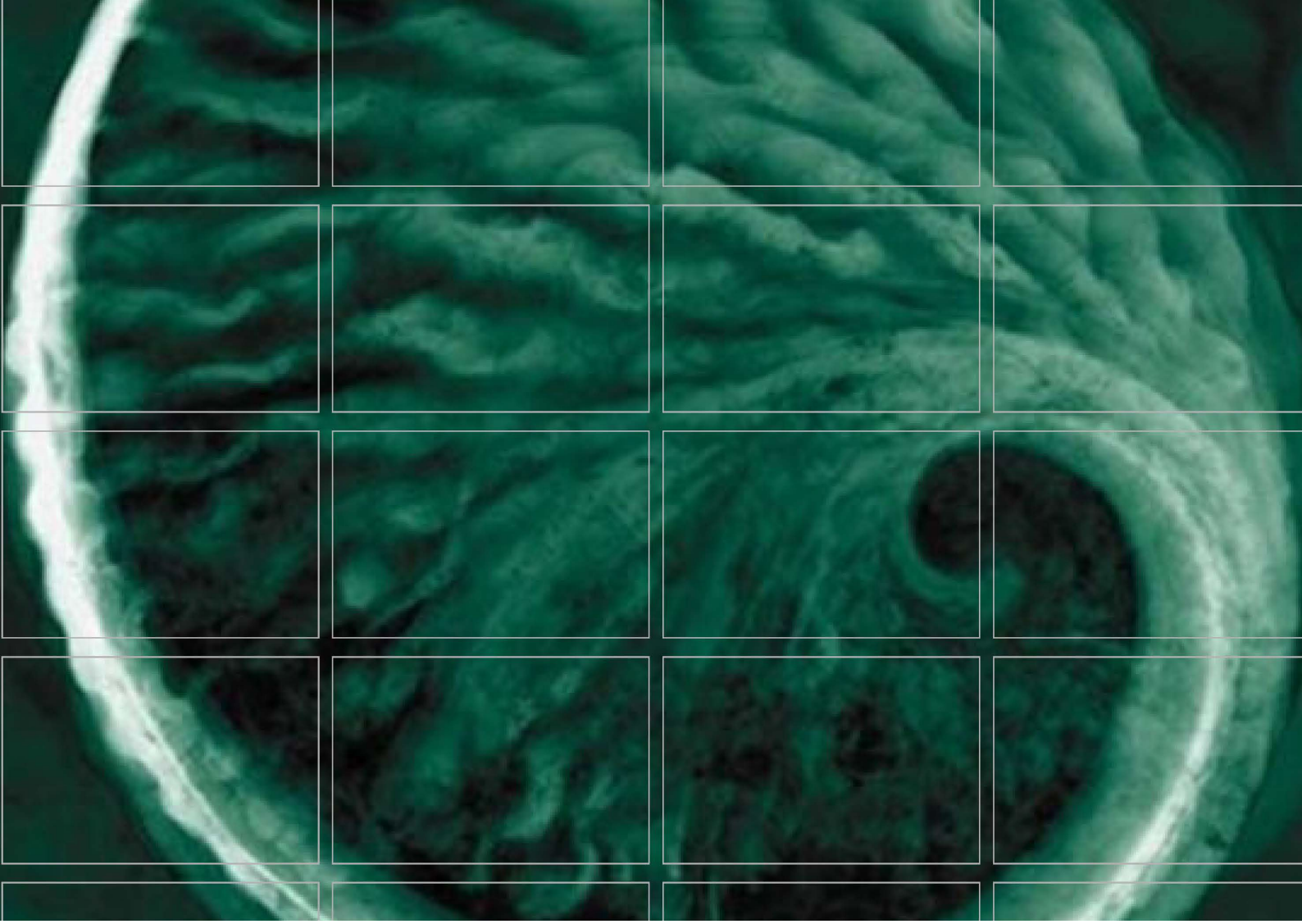

# Ambient Air Monitoring Report

Fifth Street Right-of-Way near the Former Manufactured Gas Plant Site, Champaign, Illinois

September 2022

Project No.: 0529307

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## Signature Page

September 2022

# Ambient Air Monitoring Report

Fifth Street Right-of-Way near the Former Manufactured Gas Plant Site, Champaign, Illinois

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# 1. INTRODUCTION

Ameren Services (Ameren) retained Environmental Resources Management, Inc. (ERM) to prepare this Ambient Air Monitoring Report (AAMR) to document the ambient air conditions that were present during the remediation at the Fifth Street Right-of-Way (ROW) near the former manufactured gas plant (MGP) site located in Champaign, Illinois (Remediation Site). The site activities included excavating MGP-related impacted material, and replacing the MGP-related impacted material with non-impacted backfill material. Ameren completed this work in cooperation with the Illinois Environmental Protection Agency (IEPA) Site Remediation Program (SRP).

This AAMR was prepared to document the ambient air quality monitoring and sampling conducted at the perimeter of the Remediation Site during the remedial activities as part of the project efforts to ensure that remedial activities did not adversely affect the surrounding community. The air monitoring program consisted of real-time perimeter monitoring and time-averaged sampling at four Stationary Air Monitor (SAM) locations (SAM-1 through SAM-4) and one duplicate location (SAM-5) around the perimeter of the Remediation Site. This work was conducted in accordance with the Ambient Air Monitoring Plan (AAMP), dated December 2021, prepared by ERM. This AAMR is intended to summarize the results of the real-time and time-averaged air sampling conducted during remedial activities that occurred between December 2021 to May 2022.

## 1.1 Remediation Site Information and Background

The Remediation Site is associated with the off-site area, approximately 0.75 acres, that borders the west side of the former MGP (Main Site). The Remediation Site includes the North Fifth Street ROW and extends from the Norfolk-Southern railroad track ROW on the north end of the Remediation Site, to approximately 70 feet south of the intersection of North Fifth Street and East Hill Street on the south end of the Remediation Site. The Remediation Site extends west of North Fifth Street to a former residential property (412 East Hill Street), currently owned by Ameren, another former residential property (411 East Hill Street), currently owned by the City of Champaign, as well as a portion of East Hill Street ROW. The Remediation Site is illustrated in Figure 1.

## 1.2 Objectives of the Ambient Air Monitoring Program

The remedial activities conducted at the Remediation Site had the potential to generate fugitive emissions. Ameren implemented an ambient air monitoring program to monitor air quality on a real-time and time-averaged basis. This monitoring program, coupled with appropriate remediation work practices, reduced the potential impact of the remedial activities on ambient air quality in and around the Remediation Site by minimizing the potential for fugitive emissions.

The primary objectives of the ambient air monitoring program were to:

1. Monitor air quality at the Remediation Site perimeter to assess whether fugitive emissions from the remedial activities are impacting ambient concentrations.
2. Evaluate the need for additional engineering controls and/or modifications to remediation work practices based on the results of perimeter air monitoring results.
3. Document air quality conditions throughout remedial activities by the sample collection and analysis of real-time monitoring data.

Specific objectives of the proposed ambient air monitoring program include:

- Conduct real-time ambient air quality monitoring at designated Remediation Site perimeter locations for timely identification of significant emission occurrences to allow for the prompt implementation of necessary corrective measures by the Remediation Contractor.
- Documentation of ambient air quality at designated perimeter locations following completion of remedial activities to assess the potential for residual emissions resulting from the remediation.

- Collect a sufficient quantity of ambient air quality and meteorological data over the course of the monitoring program to support a potential future assessment of impacts to air quality in areas surrounding the Remediation Site resulting from the remedial activity, if necessary.

## 1.3 Remediation Site Activities

Remedial activities consisted of road closure, traffic control, security fence installation, installation of erosion controls, preparation of dewatering, stormwater sewer bypass, utility survey and relocation, road demolition, earth retention system (ERS) installation, and the excavation, transportation, and disposal of approximately 25,000 tons of MGP-related impacted material.

Ambient air monitoring was performed during periods of excavation and backfilling at each phase of remediation. Time-averaged and real-time ambient air monitoring were performed for the duration of the actual remediation action—from December 3, 2021 through May 2, 2022. Pre-remediation air monitoring was also performed prior to initiation of intrusive remedial activities and post-remediation air monitoring was performed following completion of the remediation. Ambient air monitoring methodology and procedures were presented in the AAMP.

# 2. AMBIENT AIR MONITORING PROCEDURES AND METHODOLOGY

This section presents information regarding ambient air sampling parameters, methods, duration and frequency, and meteorological monitoring.

## 2.1 Ambient Air Monitoring Parameters

Time-averaged and real-time ambient air sampling was conducted during the remedial activities to monitor the following parameters:

- Benzene, Toluene, Ethylbenzene, Xylene (BTEX) and Styrene (time-averaged);
- Semi-Volatile and Condensed-Phase Polynuclear Aromatic (PNAs) (time-averaged);
- Total Volatile Organic Compounds (VOCs) (real-time);
- Benzene (real-time); and,
- Coarse Particulate Matter—10 microns or less in aerodynamic diameter ($PM_{10}$) (real-time).

A continuously recording weather system provided on-site wind speed and direction, barometric pressure, and relative humidity measurements to assist in interpreting the air monitoring results.

## 2.2 Real-Time Ambient Air Sampling Methods and Equipment

Real-time ambient air monitoring was performed to measure total volatile organic compounds (VOCs), benzene, and $PM_{10}$. The real-time ambient air sampling methods and equipment are detailed in the following subsections.

### *2.2.1 Total VOCs and Benzene*

Real-time ambient air monitoring for total VOCs was performed using a Mini-RAE 3000 portable photoionization detector (PID) with a 10.6 eV lamp, as a screening device to non-selectively monitor total VOCs. In the event that the measured real-time VOC concentration exceeded the corresponding VOC action level, benzene-specific monitoring was performed at the exceedance location, using a Dräger XPID-8500, portable gas chromatograph (GC).

PID measurements were recorded at the designated perimeter real-time monitoring locations, once per hour during the normal workday. Each measurement was collected by pointing the sample intake toward the work area at breathing zone height at each designated monitoring location. The instrument was allowed to run until a stable reading was detected. The PID measurement was recorded on the field data sheets, along with the time, location, and other relevant information. Qualitative notes regarding the presence and intensity of odors identified, if any, were recorded.

If a sustained PID measurement was observed in excess of 0.5 ppm, a second PID measurement was completed. If the second PID measurement was sustained in excess of 0.5 ppm, the portable GC was used to determine the benzene concentration.

Real-time VOC ambient air monitoring results are discussed in Section 3.1. The benzene Action Level was set at 0.5 parts per million (ppm). If a routine total VOC response exceeded 0.5 ppm, the portable GC was deployed to obtain a benzene-specific concentration. Real-time total VOC field measurements are presented in Appendix A. Real-time VOC monitoring locations are illustrated on Figure 2.

### *2.2.2 Coarse Particulate Matter*

Real-time monitoring of fugitive dust ($PM_{10}$ particulate matter) was conducted using a DustTrak II Aerosol Monitor. Perimeter real-time $PM_{10}$ concentrations were measured to inform the Remediation

Contractor of the need to implement more intensive fugitive emission control measures and/or modify work practices. Any visible off-site dust impacts were addressed regardless of instrument readings.

Measurement of $PM_{10}$ concentrations were made at designated perimeter real-time monitoring locations throughout the remedial activities. Measurements were reduced to 15-minute averages, which were telemetered to a database server via cellular modem, for processing. The $PM_{10}$ inlets were installed at a height of approximately 1.5 meter (i.e., breathing zone). If a sustained $PM_{10}$ particulate measurement was observed to be in excess of an action level of 360 micrograms per cubic meter ($\mu g/m^3$), the Remediation Contractor was notified immediately and corrective actions initiated.

Real-time $PM_{10}$ field measurements are presented in Appendix B. The real-time measurements were telemetered to a dedicated, secure database server for automated processing, including comparison against action levels. In the event of an alert level exceedance, the database server automatically issued an alert via email and/or text message.

Real-time $PM_{10}$ ambient air monitoring results are discussed in Section 3.1. The $PM_{10}$ Action Level was set at 360 $\mu g/m^3$. Operational responses were determined by the magnitude of the concentration, and the duration above the concentration criterion. Real-time $PM_{10}$ monitoring locations are illustrated on Figure 1.

## 2.3 Time-Averaged Ambient Air Sampling Methods and Equipment

Time-averaged volatile and semi-volatile/condensed-phase organic compound ambient air samples were collected at the stationary air monitoring locations along the perimeter of the Remediation Site. Ambient air samples were collected for analysis in general conformance to the United States Environmental Protection Agency (USEPA) Compendium of Methods for Toxic Air Pollutants, specifically, Method TO-13A and Method 325A.

Laboratory analysis was performed by Eurofins Air Toxics, Inc. (Eurofins), at a facility that was certified under the National Environmental Laboratory Accreditation Program (NELAP), in accordance with the aforementioned methods. The time-averaged ambient air sampling methods and equipment are detailed in the following subsections. The time-averaged VOC and semi-volatile/condensed-phase organic compound data are provided in Appendix C and Appendix D, respectively.

### *2.3.1 VOCs*

Time-averaged ambient air sampling for VOCs was performed in accordance with the USEPA Method 325A (USEPA, 2019). Composite VOC samples were collected using passive sorbent tube samplers.

Passive tube samples were mounted beneath a weather hood at each stationary air monitoring location and exposed for a nominal 14-day period. Laboratory analysis was completed in accordance with USEPA Method 325B. Analytes consisted of BTEX and styrene. Sampling was performed from the pre-remediation period, through remediation, and during a post-remediation 14-day period.

### *2.3.2 Semi-Volatile/Condensed-Phase Organic Compounds*

Time-averaged ambient air sampling for semi-volatile/condensed-phase organic compounds was performed in general conformance to USEPA Method TO-13A (USEPA, 1999a). For each sample, a low-volume vacuum pump drew air through a prepared filter/adsorbent cartridge at a nominal volumetric flow rate of two liters per minute. Particulate-bound and condensed-phase compounds were collected on the cartridge's polyurethane foam plugs, while semi-volatile compounds were bound to its contained solid adsorbent. Following sample collection, the cartridge was kept cold (on ice) and protected from light exposure to prevent decomposition of photosensitive compounds. Each sample cartridge was extracted and analysed by USEPA Method TO-13A.

Two Method TO-13A semi-volatile/condensed-phase samples were generally collected per week during active remediation, with the first sample running from Monday morning through mid-day

Wednesday, and the second sample running from mid-day, Wednesday, through conclusion of the remediation work week (Friday or Saturday).

The solid adsorbent sampling system operated using a battery-powered flow-controlled pump. The pump flow rates were set to sample at approximately two liters per minute. At the conclusion of each sampling event, the sample cartridges were prepared for shipping to the lab and repackaged in the laboratory-supplied sample container. The samples were stored on-site in a refrigerated system at a temperature not to exceed 4°C (39°F) and protected from light exposure to prevent decomposition of photo-sensitive compounds. The laboratory extracted and analyzed each sample cartridge (PUF plugs and adsorbant) as one integrated sample.

The samplers were calibrated using an NIST-certified flow meter, in accordance with the manufacturer instructions, prior to the first sampling event and between sampling events thereafter. The calibration consisted of a single point calibration at the target flow rate of 2.0 liters per minute.

The analytical laboratory reported concentrations of target semi-volatile/condensed-phase organic compounds on a mass [per sample basis. These sample results were converted to units of micrograms per cubic meter (µg/m3) using the following equation:

$$Concentration\ (\frac{analyte\ mass\ (\mu g)}{sample\ volume\ (m^3)}) = \frac{Mass\ (\mu g)}{Sample\ flow\ rate\ \left(\frac{m^3}{min}\right) x\ Elapsed\ time\ (min)}$$

## 2.4 Ambient Air Sampling Duration and Frequency

Baseline time-averaged ambient organic compound air sampling was performed in accordance with the USEPA Methods TO-13A, 325A; and $PM_{10}$ with stationary real-time ambient air sampling stations. Measurements were made prior to commencement of remedial activities from December 3, 2021 through December 15, 2021. Remediation monitoring extended from December 15, 2021 through April 29, 2022. Post-remediation monitoring was performed from April 29, 2022 to May 13, 2022.

As previously noted, two Method TO-13A semi-volatile/condensed-phase samples were normally collected per week, with the first sample running from Monday morning through mid-day Wednesday, and the second sample running from mid-day, Wednesday, through conclusion of the remediation work week (Friday or Saturday). A single set of TO-13A samples was collected from the pre-remediation period, and a single set from the post-remediation sampling period.

14-day Method 325A VOC passive samples were collected at each stationary site throughout the remedial activities. Pre-remediation samples were deployed for 12 days due to commencement of remediation, while the post-remediation period was for a full 14 days.

Continuous real-time $PM_{10}$ monitoring was performed during the pre-remediation period, throughout remedial activities, and the post-remediation monitoring period.

Stationary air monitoring site 5 was instrumented with co-located samplers for each sampling method to collect duplicate sample sets for QA/QC purposes.

Real-time ambient total VOC air monitoring was performed during normal site work hours on days when remedial activities occurred, by taking PID measurements at approximately one-hour intervals along the perimeter of the Remediation Site. Real-time VOC monitoring was suspended during unsafe weather conditions.

## 2.5 Meteorological Monitoring

A MetOne AIO2 weather station continuously measured and recorded wind speed, wind direction, barometric pressure, relative humidity, and ambient temperature from December 3, 2021 through May 2, 2022. The meteorological data collection system was installed at stationary air monitoring site 3. In a deviation from the Ambient Air Monitoring Plan, a precipitation sensor was unavailable for

deployment. In lieu of on-site monitored precipitation measurements, the Champaign-Willard Airport weather station precipitation data has been incorporated in the project data record, and qualified as such. The airport weather station is located approximately 6.7 miles from the remediation site.

The record of meteorological data collected is provided in Appendix B.

# 3. AMBIENT AIR MONITORING RESULTS

This section presents the results of the real-time and time-averaged sampling for the ambient air monitoring program.

## 3.1 Real-Time Ambient Air Monitoring Results

Project-specific acceptable air quality exposure levels were developed using risk-based exposure equations for inhalation. The acceptable air quality exposure levels are based on project-specific data, assuming a projected 18-week project duration, and were used to develop a maximum acceptable exposure concentration to a theoretical sensitive receptor. The derivation of the benzene acceptable exposure level, as well as those of other compounds associated with MGP remediation were presented in the AAMP.

Action levels were developed for real-time monitoring and composite air sampling at the Remediation Site using risk-based action levels that were calculated to maintain perimeter air quality at an acceptable level during remedial activities. The real-time action levels were established to serve as an indicator of acceptable short-term air quality and to identify when supplemental emission control responses are necessary. The real-time action levels were developed using air quality workplace and ambient air standards, the capability of the field screening and analytical instruments, and knowledge of MGP constituents of concern (COCs).

Real-time air quality measurements of $PM_{10}$ and VOC concentrations were collected at the four SAMs. In addition, real-time VOCs were measured at the intermediate perimeter monitoring locations (see Figure 2).

### *3.1.1 VOCs Ambient Air Monitoring Results*

The National Institute for Occupational Safety and Health (NIOSH) and the Occupational Safety and Health Administration (OSHA) time weighted average (TWA) exposure standard for benzene (a target VOC) is 1.0 ppm. One-half of the OSHA action level, 0.5 ppm, was selected as the short averaging time action level for VOC, as measured with field instruments. If a total VOC sample was observed to be over 0.5 ppm, the portable GC was deployed to measure benzene. The action level was used to make decisions regarding implementation of more intense emission control measures.

The benzene remediation activity shut-down criterion presented in the AAMP was not met during remedial activities. The real-time VOC action level was exceeded on one occasion during the remedial activities, triggering follow-up benzene-specific monitoring with the portable GC. This occurred at approximately 09:30 on March 25, 2022 at IMPL locations B, C, D, and E. In this instance, the Remediation Contractor was notified and implemented corrective action measures, including a modification to work practices.

In response to the elevated VOC measurement, the field air monitoring technician performed a calibration verification of the GC and deployed it at the location at which the elevated VOC concentration had been measured in order to measure the benzene-specific concentration. The total VOC measurement was repeated using the PID instrument. This showed that the total VOC concentration had decreased to zero, therefore, no GC measurement was performed.

### *3.1.2 $PM_{10}$ Ambient Air Monitoring Results*

The acceptable exposure level (AEL) for $PM_{10}$ was set at the corresponding 24-hour average National Ambient Air Quality Standard of 150 microgram per cubic meter (µg/m3). A 15-minute average action level of 360 µg/m3 served as a conservative short-term surrogate for the AEL. A 15-minute period exceeding ten times the action level would have required suspension of remedial activities.

The $PM_{10}$ shut-down criteria presented in the AAMP were not met during the remedial activities. The real-time $PM_{10}$ action level was also never exceeded during remediation. The real-time $PM_{10}$, VOC, and benzene measurements are summarized in Table 3-1. The real-time VOC and $PM_{10}$ data records are presented in Appendix A and Appendix B, respectively.

**Table 3-1. Real-Time Data—Results Summary**

| Constituents of Concern (Sampling period, Units) | Monitoring Period | Number of Action Level Exceedances | Maximum Measured Concentration | Location of Maximum | Date of Maximum | Action Level |
|---|---|---|---|---|---|---|
| Inhalable Particulate Matter (15-min average, µg/m$^3$) | 12/3/22 – 5/2/22 | 0 | 195 | SAM-4 | 12/27/2021 | 360 |
| VOC (1-minute average, ppm) | 12/5/2022 – 5/20/22 | 1 | 0.6 | IMPL-E | 3/25/2022 | 0.5 |
| Benzene, Real-time GC (1-minute average ppm) | 12/5/2022 – 5/20/22 | 0 | NM | NM | NM | 0.5 |

NM = No measurements (benzene-specific measurements only made with portable gas chromatograph, in response to VOC exceedance)

## 3.2 Time-Averaged Monitoring Results

This section describes the time-averaged results for volatile and semi-volatile/condensed phase organic compounds. The air quality acceptable exposure levels for the BTEX, styrene, as well as for selected semi-volatile/condensed-phase polynuclear aromatic (PNA) compounds for the nominal 18-week exposure period were developed in the AAMP.

The maximum observed concentrations of these target species, over the course of the remedial activities are summarized in Table 3-2. The complete VOC and semi-volatile/condensed-phase organic compound data records are tabulated in Appendix C and Appendix D, respectively.

Laboratory analytical services were provided by Eurofins Air Toxics, Inc. The Method 325B laboratory analytical reports are provided in Appendix E. The TO-13A laboratory analytical reports are presented in Appendix F.

**Table 3-2. Time-Averaged Volatile and Semi-Volatile/Condensed-Phase Organic Compound Concentrations—Results Summary**

| Constituents of Concern, Method (Sampling period, Units) | Number of Action Level or Acceptable Exposure Level Exceedances | Maximum Measured Concentration | Acceptable Exposure Level |
|---|---|---|---|
| Styrene, Method 325B (14-day sample period, µg/m$^3$) | 0 | 0.26 | 157.7 |
| Benzene, Method 325B (14-day sample period, µg/m$^3$) | 0 | 0.74 | 16.5 |
| Toluene, Method 325B (14-day sample period, µg/m$^3$) | 0 | 0.77 | 159.7 |
| Xylenes (total), Method 325B (14-day sample period, µg/m$^3$) | 0 | 0.29 | 160.7 |
| Ethylbenzene, Method 325B (14-day sample period, µg/m$^3$) | 0 | 0.28 | 161.7 |
| 2-methylnapthalene, Method TO-13A (2-day sample period, µg/m$^3$) | 0 | 0.63* | 820 |
| Acenaphthene, Method TO-13A (2-day sample period, µg/m$^3$) | 0 | ND | 12,300 |
| Acenaphthylene, Method TO-13A (2-day sample period, µg/m$^3$) | 0 | ND | 615 |
| Anthracene, Method TO-13A (2-day sample period, µg/m$^3$) | 0 | ND | 615 |
| Benzo(a)anthracene, Method TO-13A (2-day sample period, µg/m$^3$) | 0 | ND | 1.54 |
| Benzo(a)pyrene, Method TO-13A (2-day sample period, µg/m$^3$) | 0 | ND | 0.154 |
| Benzo(k)fluoranthene, Method TO-13A (2-day sample period, µg/m$^3$) | 0 | ND | 15.4 |
| Benzo(b)fluoranthene, Method TO-13A (2-day sample period, µg/m$^3$) | 0 | ND | 15.4 |
| Chrysene, Method TO-13A (2-day sample period, µg/m$^3$) | 0 | ND | 154 |
| Dibenzo(a,h)anthracene, Method TO-13A (2-day sample period, µg/m$^3$) | 0 | ND | 0.154 |
| Fluoranthene, Method TO-13A (2-day sample period, µg/m$^3$) | 0 | ND | 8,200 |
| Fluorene, Method TO-13A (2-day sample period, µg/m$^3$) | 0 | ND | 8,200 |
| Indeno(1,2,3-cd)pyrene, Method TO-13A (2-day sample period, µg/m$^3$) | 0 | ND | 1.54 |
| Napthalene, Method TO-13A (2-day sample period, µg/m$^3$) | 0 | 3.72* | 176 |
| Phenanthrene, Method TO-13A (2-day sample period, µg/m$^3$) | 0 | ND | 6,150 |
| Pyrene, Method TO-13A (2-day sample period, µg/m$^3$) | 0 | ND | 6,150 |

ND = Not detected (concentrations below laboratory minimum detection limits)

* = Nominal 2 LPM sample flow used to calculate concentration during this 2-day sample.

### *3.2.1 VOCs Monitoring Results*

Site-specific risk-based acceptable concentration levels, as described above, were calculated for all the targeted VOCs associated with the remedial activities, as derived in the AAMP. The site-specific risk-based acceptable exposure level for benzene is 16.5 µg/m$^3$.

As Table 3-1 illustrates, all the USEPA Method 325B analytes in all the samples collected during the remedial activities were below the risk-based air quality objective concentrations. With respect to benzene, the calculated acceptable risk concentration was 16.5 µg/m$^3$. The measured 14-day average benzene concentrations were all below this concentration at each monitoring location, with maximum concentrations ranging from 0.63 µg/m$^3$ at SAM-5 to 0.74 µg/m$^3$ at SAM-2 during the remedial activities (Table 3-3).

**Table 3-3. Time-Averaged Volatile Organic Compounds, Maximum Measured Values**

| Sample Location | COMPOUND | DL | Results µg/m$^3$ |
|---|---|---|---|
| SAM1 | Benzene | 0.38 | 0.71 |
| | Ethyl Benzene | 0.56 | 0.28 |
| | Styrene | 0.52 | 0.26 |
| | Toluene | 0.50 | 0.77 |
| | m,p-Xylene | 0.56 | 0.39 |
| | o-Xylene | 0.56 | 0.29 |
| SAM2 | Benzene | 0.38 | 0.74 |
| | Ethyl Benzene | 0.56 | 0.28 |
| | Styrene | 0.52 | 0.26 |
| | Toluene | 0.50 | 0.65 |
| | m,p-Xylene | 0.56 | 0.35 |
| | o-Xylene | 0.56 | 0.28 |
| SAM3 | Benzene | 0.38 | 0.71 |
| | Ethyl Benzene | 0.56 | 0.28 |
| | Styrene | 0.52 | 0.26 |
| | Toluene | 0.50 | 0.71 |
| | m,p-Xylene | 0.56 | 0.36 |
| | o-Xylene | 0.56 | 0.29 |
| SAM4 | Benzene | 0.38 | 0.68 |
| | Ethyl Benzene | 0.56 | 0.28 |
| | Styrene | 0.52 | 0.26 |
| | Toluene | 0.50 | 0.62 |
| | m,p-Xylene | 0.56 | 0.35 |
| | o-Xylene | 0.56 | 0.28 |
| SAM5 | Benzene | 0.38 | 0.63 |
| | Ethyl Benzene | 0.56 | 0.28 |
| | Styrene | 0.52 | 0.26 |
| | Toluene | 0.50 | 0.56 |
| | m,p-Xylene | 0.56 | 0.30 |
| | o-Xylene | 0.56 | 0.28 |

### *3.2.2 Semi-Volatile/Condensed Phase Organic Compounds Monitoring Results*

Site-specific risk-based air quality objective concentrations, as described above, were calculated for targeted semi-volatile/condensed-phase organic compounds associated with the remedial activities, and were derived in the AAMP.

Laboratory analytical results for USEPA Method TO-13A indicate that all the measured targeted semi-volatile/condensed-phase organic compound concentrations for time-averaged samples collected during the remedial activities at all monitoring sites were below their respective risk-based air quality objective concentrations.

Semi-volatile/condensed-phase organic compound values were reported by the laboratory as mass, in µg per sample. The laboratory results were converted to air concentration concentrations (expressed as µg/m3) using flow rate calibration data and sample event elapsed time. Table 3-1 contains a summary of semi-volatile/condensed-phase concentrations measured during the monitoring program.

## 3.3 Meteorological Monitoring Results

On-site meteorological data were collected using a MetOne AIO2 weather station that continuously measured wind speed, wind direction, barometric pressure, relative humidity, and ambient temperature during the project duration. The weather station data were recorded and tabulated for each of the aforementioned parameters once per 15-minute interval on average. Site meteorological data were collected for the duration of project (i.e., December 3, 2021 through May 2, 2022). As noted above, precipitation data was accessed from the Champaign Willard Airport weather station and incorporated into the database. The complete meteorological data record is presented in Appendix B.

# 4. QUALITY ASSURANCE/QUALITY CONTROL

Standard Operating Procedures (SOPs) were followed to ensure the quality of the data collected during implementation of the ambient air quality monitoring program. Calibrations were performed regularly to maintain accurate measurements. Calibration documentation is presented in Appendix G. Analytical methods chosen for time-averaged monitoring samples were approved USEPA methods. In addition, blanks and duplicate samples were submitted for Method 325B and TO-13A analysis.

## 4.1 Real-Time Monitoring Equipment

Real-time monitoring equipment calibrations during the remediation program were performed as follows:

- The total VOC PID meter was calibrated each morning before commencing perimeter monitoring, with 100 ppm isobutylene certified calibration gas;
- The GC was calibrated by the vendor and its performance verified prior to field use by challenge with certified calibration gas. The vendor calibration documentation is presented in Appendix G.

## 4.2 Time-Averaged Sampling Equipment

Calibrations and maintenance for time-averaged ambient air monitoring equipment were performed in accordance with manufacturer instructions as follows:

- Semi-volatile/condensed-phase TO-13A ambient air sampling pumps were calibrated daily;
- Real-time $PM_{10}$ monitor flow rates were verified daily;
- Stationary time-averaged $PM_{10}$ ambient air monitoring size-selective inlets were cleaned after every 15 days (on average) of sampling and impactor oil refreshed.

Calibration field logs, field data, including Remediation Site and sample notations, real time measurements, monitoring locations, and parameters were documented on field data sheets. These are provided in Appendix H.

## 4.3 Meteorological Monitoring

Meteorological data were collected on a continuous daily basis during the project duration. The meteorological data collected onsite were: atmospheric temperature, atmospheric pressure, relative humidity, wind speed, and wind direction. As discussed above, precipitation data from the Champaign Willard Airport weather station were accessed and incorporated into the data record. The wind vane was aligned per manufacturer's instructions. Meteorological sensors were calibrated by the supplier prior to shipment and properly oriented in accordance with manufacturer's instructions.

## 4.4 Time-Averaged Sampling Quality Assurance/Quality Control (QA/QC)

The Quality Assurance/Quality Control (QA/QC) procedures that were followed for collection of ambient air quality samples include the use of field and travel blanks, and duplicate samples. Field duplicate sample results indicate the precision and reproducibility of sample collection and analytical results. The project goal was to collect a minimum of 5 percent (i.e., 1 in 20) duplicate samples per sampling event. Field blank and trip blank results were used to assess sample integrity. The results of these analyses allow an evaluation of whether measurements may be biased by chemicals introduced into the samples during handling or sample shipping. The QC samples collected were as follows:

- VOC (USEPA Method 325A/B) - one duplicate sample and one field blank per shipment during each remediation and post-remediation sampling event.
- Semi-volatile/condensed-phase (USEPA Method TO-13A) - one duplicate sample and one field blank per shipment during each remediation and post-remediation sampling event.

All samples were shipped to the laboratory and analysed within the applicable methods recommended holding times. Laboratory QC was performed in accordance with the method requirements for USEPA Methods TO-13A, and 325A/B.

## 4.5 Laboratory Data Validation

Data validation assesses the quality of field and laboratory activities and documents the quality of data generated by evaluating precision, accuracy, representativeness, comparability, and completeness. The goal of the validation process is to produce a technically sound, statistically valid, defensible, and properly documented data set for decision-making purposes. General information pertaining to verification and validation activities is provided in the *Guidance on Environmental Data Verification and Data Validation, EPA QA/G-8* (USEPA, 2008).

Following analysis, the laboratory analytical report was verified for conformance with method, procedural, and contractual requirements. The contracted laboratory was responsible for accurately performing the prescribed methods, per USEPA protocols. This includes all procedures, QC checks, corrective actions, and data handling. In general, chemical data were validated by evaluation of the laboratory submittal against any requirements, established in the analytical method.

If the QA/QC sample results were outside criteria established in the analytical method, data qualifiers were added to the results using guidelines presented in the *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (NFGO), EPA-540-R-14-002* (USEPA, 2014a) and *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review (NFGI), EPA-540-R-13-001 (USEPA, 2014b).*

Laboratory data have been reviewed and are acceptable for use with additional qualification by ERM where necessary. Eurofins Air Toxics, Inc. performed laboratory validation and determined that all analytical results were usable with qualification. Volatile and semi-volatile/condensed-phase laboratory analytical reports are provided in Appendix E and Appendix F, respectively.

# 5. REFERENCES

USEPA, 1999a. *EPA Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air (with applicable updates).* January 1999.

USEPA, 1999b. *EPA Compendium of Methods for the Determination of Inorganic Compounds in Ambient Air (with applicable updates).* June 1999.

USEPA, 2008. *Guidance on Environmental Data Verification and Data Validation* (EPA QA/G-8). January 2008.

USEPA, 2014a. *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review,* EPA-540-R-013-001. August 2014.

USEPA, 2014b. *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review,* EPA-540-R-013-001. August 2014.

40 CFR Part 50 Appendix J, 2014. *Federal Register, Part II Environmental Protection Agency, Reference Method for the Determination of Particulate Matter as $PM_{10}$ in the Atmosphere; Final Rule.* July 1, 2014.

## FIGURES

SAM-4

SAM-2

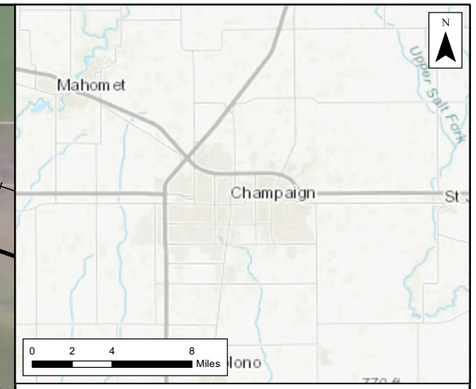
E Hill St

SAM-5

SAM-3

SAM-1

N 5Th St




**Legend**

- Ameren Champaign Former MGP Site Boundary
- Norfolk Southern Railroad
- Stationary Air Monitoring Location
- Main Site Remediation
- Remediation Site Boundary
- Limit of Disturbance

N

0 40 80
Feet

**Figure 1**
**Remediation Site and Fixed Monitoring Site Locations**
Ameren Champaign Former MGP Site
Champaign, Illinois

Environmental Resources Management
www.erm.com

DRAWN BY: J Holcomb

SCALE: 1:480 when printed at 11x17

REVISED: 08/01/2022

FILE: M:\Projects\0466251 Ameren Champaign\Maps\5th Street Site Investigation\Figure 1 Remediation Site Fixed Monitoring Locs.mxd

**Figure 2**
**Remediation Site and Intermediate Perimeter Monitoring Site Locations**
Ameren Champaign Former MGP Site
Champaign, Illinois

Environmental Resources Management
www.erm.com
ERM

DRAWN BY: J Holcomb
FILE: M:\Projects\0466251_Ameren_Champaign\Maps\5th Street Site Investigation\Figure 2 Remediation Site Intermediate Perimeter Locs.mxd, REVISED: 08/01/2022, SCALE: 1:480 when printed at 11x17

# APPENDIX A REAL-TIME TOTAL VOC MONITORING

| 12/7/2021 | | | | |
|---|---|---|---|---|
| | Morning Reading | | Afternoon Reading | |
| Site Name | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 11:14 | 0.0 | 14:35 | 0.0 |
| SAM-2 | 11:23 | 0.0 | 14:41 | 0.0 |
| SAM-3 | 11:36 | 0.0 | 14:48 | 0.0 |
| SAM-4 | 11:45 | 0.0 | 14:56 | 0.0 |
| IMPL-A | 11:02 | 0.0 | 14:25 | 0.0 |
| IMPL-B | 11:06 | 0.0 | 14:31 | 0.0 |
| IMPL-C | 11:09 | 0.0 | 14:33 | 0.0 |
| IMPL-D | 11:09 | 0.0 | 14:37 | 0.0 |
| IMPL-E | 11:27 | 0.0 | 14:43 | 0.0 |
| IMPL-F | 11:30 | 0.0 | 14:46 | 0.0 |
| IMPL-G | 11:38 | 0.0 | 14:50 | 0.0 |
| IMPL-H | 11:41 | 0.0 | 14:52 | 0.0 |
| IMPL-I | 11:44 | 0.0 | 14:54 | 0.0 |
| IMPL-J | 11:47 | 0.0 | 14:58 | 0.0 |
| IMPL-K | 11:50 | 0.0 | 15:00 | 0.0 |
| IMPL-L | 11:53 | 0.0 | 15:02 | 0.0 |
| Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.<br>Measurements are made twice daily during pre remediation | | | | |

| 12/8/2021 | | | | |
|---|---|---|---|---|
| | Morning Reading | | Afternoon Reading | |
| Site Name | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 8:22 | 0.0 | 15:13 | 0.0 |
| SAM-2 | 8:30 | 0.0 | 15:24 | 0.0 |
| SAM-3 | 8:39 | 0.0 | 15:38 | 0.0 |
| SAM-4 | 8:54 | 0.0 | 15:46 | 0.0 |
| IMPL-A | 8:13 | 0.0 | 15:05 | 0.0 |
| IMPL-B | 8:16 | 0.0 | 15:08 | 0.0 |
| IMPL-C | 8:20 | 0.0 | 15:10 | 0.0 |
| IMPL-D | 8:25 | 0.0 | 15:18 | 0.0 |
| IMPL-E | 8:27 | 0.0 | 15:20 | 0.0 |
| IMPL-F | 8:33 | 0.0 | 15:34 | 0.0 |
| IMPL-G | 8:35 | 0.0 | 15:36 | 0.0 |
| IMPL-H | 8:43 | 0.0 | 15:40 | 0.0 |
| IMPL-I | 8:49 | 0.0 | 15:42 | 0.0 |
| IMPL-J | 8:51 | 0.0 | 15:44 | 0.0 |
| IMPL-K | 8:58 | 0.0 | 15:49 | 0.0 |
| IMPL-L | 9:00 | 0.0 | 15:51 | 0.0 |
| Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.<br>Measurements are made twice daily during pre remediation | | | | |

| 12/9/2021 | | | | |
|---|---|---|---|---|
| | Morning Reading | | Afternoon Reading | |
| Site Name | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 9:38 | 0.0 | 15:36 | 0.0 |
| SAM-2 | 9:44 | 0.0 | 15:41 | 0.0 |
| SAM-3 | 9:48 | 0.0 | 15:44 | 0.0 |
| SAM-4 | 9:53 | 0.0 | 15:48 | 0.0 |
| IMPL-A | 9:32 | 0.0 | 15:30 | 0.0 |
| IMPL-B | 9:34 | 0.0 | 15:32 | 0.0 |
| IMPL-C | 9:36 | 0.0 | 15:34 | 0.0 |
| IMPL-D | 9:40 | 0.0 | 15:38 | 0.0 |
| IMPL-E | 9:42 | 0.0 | 15:40 | 0.0 |
| IMPL-F | 9:46 | 0.0 | 15:42 | 0.0 |
| IMPL-G | 9:47 | 0.0 | 15:43 | 0.0 |
| IMPL-H | 9:50 | 0.0 | 15:45 | 0.0 |
| IMPL-I | 9:51 | 0.0 | 15:46 | 0.0 |
| IMPL-J | 9:52 | 0.0 | 15:47 | 0.0 |
| IMPL-K | 9:54 | 0.0 | 15:49 | 0.0 |
| IMPL-L | 9:56 | 0.0 | 15:50 | 0.0 |
| Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.<br>Measurements are made twice daily during pre remediation | | | | |
| 12/10/2021 | | | | |
| | Morning Reading | | Afternoon Reading | |
| Site Name | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 9:29 | 0.0 | 12:18 | 0.0 |
| SAM-2 | 9:23 | 0.0 | 12:09 | 0.0 |
| SAM-3 | 9:26 | 0.0 | 12:28 | 0.0 |
| SAM-4 | 9:33 | 0.0 | 12:42 | 0.0 |
| IMPL-A | 9:16 | 0.0 | 12:00 | 0.0 |
| IMPL-B | 9:17 | 0.0 | 12:03 | 0.0 |
| IMPL-C | 9:18 | 0.0 | 12:06 | 0.0 |
| IMPL-D | 9:21 | 0.0 | 12:12 | 0.0 |
| IMPL-E | 9:22 | 0.0 | 12:15 | 0.0 |
| IMPL-F | 9:24 | 0.0 | 12:21 | 0.0 |
| IMPL-G | 9:25 | 0.0 | 12:24 | 0.0 |
| IMPL-H | 9:28 | 0.0 | 12:31 | 0.0 |
| IMPL-I | 9:30 | 0.0 | 12:35 | 0.0 |
| IMPL-J | 9:32 | 0.0 | 12:38 | 0.0 |
| IMPL-K | 9:35 | 0.0 | 12:45 | 0.0 |
| IMPL-L | 9:36 | 0.0 | 12:50 | 0.0 |
| Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.<br>Measurements are made twice daily during pre remediation | | | | |

| 12/13/2021 | | | | |
|---|---|---|---|---|
| | Morning Reading | | Afternoon Reading | |
| Site Name | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 9:31 | 0.0 | 16:18 | 0.0 |
| SAM-2 | 9:36 | 0.0 | 16:23 | 0.0 |
| SAM-3 | 9:39 | 0.0 | 16:28 | 0.0 |
| SAM-4 | 9:43 | 0.0 | 16:33 | 0.0 |
| IMPL-A | 9:27 | 0.0 | 16:15 | 0.0 |
| IMPL-B | 9:29 | 0.0 | 16:16 | 0.0 |
| IMPL-C | 9:30 | 0.0 | 16:17 | 0.0 |
| IMPL-D | 9:33 | 0.0 | 16:19 | 0.0 |
| IMPL-E | 9:35 | 0.0 | 16:20 | 0.0 |
| IMPL-F | 9:37 | 0.0 | 16:25 | 0.0 |
| IMPL-G | 9:38 | 0.0 | 16:27 | 0.0 |
| IMPL-H | 9:40 | 0.0 | 16:29 | 0.0 |
| IMPL-I | 9:41 | 0.0 | 16:30 | 0.0 |
| IMPL-J | 9:42 | 0.0 | 16:32 | 0.0 |
| IMPL-K | 9:44 | 0.0 | 16:34 | 0.0 |
| IMPL-L | 9:46 | 0.0 | 16:36 | 0.0 |
| Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.<br>Measurements are made twice daily during pre remediation | | | | |
| 12/14/2021 | | | | |
| | Morning Reading | | Afternoon Reading | |
| Site Name | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 8:42 | 0.0 | 10:18 | 0.0 |
| SAM-2 | 8:45 | 0.0 | 10:21 | 0.0 |
| SAM-3 | 8:50 | 0.0 | 10:24 | 0.0 |
| SAM-4 | 8:48 | 0.0 | 10:27 | 0.0 |
| IMPL-A | 8:30 | 0.0 | 9:58 | 0.0 |
| IMPL-B | 8:31 | 0.0 | 10:00 | 0.0 |
| IMPL-C | 8:32 | 0.0 | 10:01 | 0.0 |
| IMPL-D | 8:33 | 0.0 | 10:02 | 0.0 |
| IMPL-E | 8:34 | 0.0 | 10:03 | 0.0 |
| IMPL-F | 8:35 | 0.0 | 10:05 | 0.0 |
| IMPL-G | 8:36 | 0.0 | 10:07 | 0.0 |
| IMPL-H | 8:37 | 0.0 | 10:08 | 0.0 |
| IMPL-I | 8:38 | 0.0 | 10:09 | 0.0 |
| IMPL-J | 8:39 | 0.0 | 10:10 | 0.0 |
| IMPL-K | 8:40 | 0.0 | 10:12 | 0.0 |
| IMPL-L | 8:41 | 0.0 | 10:15 | 0.0 |
| Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.<br>Measurements are made twice daily during pre remediation | | | | |

| 12/15/2021 | | | | |
|---|---|---|---|---|
| | Morning Reading | | Afternoon Reading | |
| Site Name | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 7:41 | 0.0 | 14:55 | 0.0 |
| SAM-2 | 7:44 | 0.0 | 14:58 | 0.0 |
| SAM-3 | 7:46 | 0.0 | 15:00 | 0.0 |
| SAM-4 | 7:50 | 0.0 | 15:03 | 0.0 |
| IMPL-A | 7:36 | 0.0 | 15:04 | 0.0 |
| IMPL-B | 7:36 | 0.0 | 15:06 | 0.0 |
| IMPL-C | 7:36 | 0.0 | 15:07 | 0.0 |
| IMPL-D | 7:37 | 0.0 | 15:09 | 0.0 |
| IMPL-E | 7:37 | 0.0 | 15:10 | 0.0 |
| IMPL-F | 7:37 | 0.0 | 15:11 | 0.0 |
| IMPL-G | 7:37 | 0.0 | 15:12 | 0.0 |
| IMPL-H | 7:39 | 0.0 | 15:13 | 0.0 |
| IMPL-I | 7:39 | 0.0 | 15:15 | 0.0 |
| IMPL-J | 7:39 | 0.0 | 15:16 | 0.0 |
| IMPL-K | 7:40 | 0.0 | 15:18 | 0.0 |
| IMPL-L | 7:40 | 0.0 | 15:19 | 0.0 |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Measurements are made twice daily during pre remediation

12/16/2021

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 9:54 | 0.0 | 10:54 | 0.0 | 11:54 | 0.0 | 12:52 | 0.0 | 13:52 | 0.0 | 14:52 | 0.0 | 15:52 | 0.0 | NA | NA | NA | NA | NA | NA |
| SAM-2 | 9:51 | 0.0 | 10:51 | 0.0 | 11:51 | 0.0 | 12:55 | 0.0 | 13:55 | 0.0 | 14:55 | 0.0 | 15:55 | 0.0 | NA | NA | NA | NA | NA | NA |
| SAM-3 | 9:55 | 0.0 | 10:55 | 0.0 | 11:55 | 0.0 | 12:53 | 0.0 | 13:53 | 0.0 | 14:53 | 0.0 | 15:53 | 0.0 | NA | NA | NA | NA | NA | NA |
| SAM-4 | 9:59 | 0.0 | 10:59 | 0.0 | 11:59 | 0.0 | 12:58 | 0.0 | 15:58 | 0.0 | 14:58 | 0.0 | 15:58 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-A | 10:00 | 0.0 | 11:01 | 0.0 | 12:01 | 0.0 | 13:01 | 0.0 | 14:01 | 0.0 | 15:01 | 0.0 | 16:01 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-B | 10:03 | 0.0 | 11:01 | 0.0 | 12:02 | 0.0 | 13:02 | 0.0 | 14:02 | 0.0 | 15:02 | 0.0 | 16:02 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-C | 10:04 | 0.0 | 11:04 | 0.0 | 12:04 | 0.0 | 13:04 | 0.0 | 14:04 | 0.0 | 15:04 | 0.0 | 16:04 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-D | 10:07 | 0.0 | 11:07 | 0.0 | 12:07 | 0.0 | 13:07 | 0.0 | 14:06 | 0.0 | 15:06 | 0.0 | 16:05 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-E | 10:09 | 0.0 | 11:09 | 0.0 | 12:09 | 0.0 | 13:09 | 0.0 | 14:07 | 0.0 | 15:07 | 0.0 | 16:06 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-F | 10:10 | 0.0 | 11:10 | 0.0 | 12:10 | 0.0 | 13:10 | 0.0 | 14:09 | 0.0 | 15:09 | 0.0 | 16:08 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-G | 10:11 | 0.0 | 11:12 | 0.0 | 12:12 | 0.0 | 13:12 | 0.0 | 14:10 | 0.0 | 15:10 | 0.0 | 16:09 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-H | 10:12 | 0.0 | 11:13 | 0.0 | 12:13 | 0.0 | 13:13 | 0.0 | 14:12 | 0.0 | 15:12 | 0.0 | 16:11 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-I | 10:14 | 0.0 | 11:14 | 0.0 | 12:14 | 0.0 | 13:14 | 0.0 | 14:14 | 0.0 | 15:14 | 0.0 | 16:12 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-J | 10:15 | 0.0 | 11:15 | 0.0 | 12:15 | 0.0 | 13:15 | 0.0 | 14:15 | 0.0 | 15:15 | 0.0 | 16:14 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-K | 10:17 | 0.0 | 11:17 | 0.0 | 12:17 | 0.0 | 13:17 | 0.0 | 14:17 | 0.0 | 15:17 | 0.0 | 16:15 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-L | 10:18 | 0.0 | 11:19 | 0.0 | 12:19 | 0.0 | 13:18 | 0.0 | 13:18 | 0.0 | 15:18 | 0.0 | 16:17 | 0.0 | NA | NA | NA | NA | NA | NA |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

12/17/2021

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 8:01 | 0.0 | 8:50 | 0.0 | 9:52 | 0.0 | 10:45 | 0.0 | 12:00 | 0.0 | 13:00 | 0.0 | 14:00 | 0.0 | 15:00 | 0.0 | 15:45 | 0.0 | NA | NA |
| SAM-2 | 8:12 | 0.0 | 9:03 | 0.0 | 10:00 | 0.0 | 10:59 | 0.0 | 12:05 | 0.0 | 13:05 | 0.0 | 14:06 | 0.0 | 15:06 | 0.0 | 15:56 | 0.0 | NA | NA |
| SAM-3 | 8:02 | 0.0 | 8:51 | 0.0 | 9:53 | 0.0 | 10:48 | 0.0 | 12:02 | 0.0 | 13:02 | 0.0 | 14:02 | 0.0 | 15:02 | 0.0 | 15:48 | 0.0 | NA | NA |
| SAM-4 | 8:08 | 0.0 | 8:59 | 0.0 | 9:57 | 0.0 | 10:53 | 0.0 | 12:13 | 0.0 | 13:10 | 0.0 | 14:11 | 0.0 | 15:11 | 0.0 | 15:51 | 0.0 | NA | NA |
| IMPL-A | 8:14 | 0.0 | 9:03 | 0.0 | 10:04 | 0.0 | 11:02 | 0.0 | 12:15 | 0.0 | 13:13 | 0.0 | 14:13 | 0.0 | 15:13 | 0.0 | 15:59 | 0.0 | NA | NA |
| IMPL-B | 8:16 | 0.0 | 9:05 | 0.0 | 10:06 | 0.0 | 11:04 | 0.0 | 12:17 | 0.0 | 13:15 | 0.0 | 14:15 | 0.0 | 15:15 | 0.0 | 16:00 | 0.0 | NA | NA |
| IMPL-C | 8:19 | 0.0 | 9:07 | 0.0 | 10:08 | 0.0 | 11:05 | 0.0 | 12:19 | 0.0 | 13:17 | 0.0 | 14:17 | 0.0 | 15:17 | 0.0 | 16:02 | 0.0 | NA | NA |
| IMPL-D | 8:21 | 0.0 | 9:09 | 0.0 | 10:10 | 0.0 | 11:06 | 0.0 | 12:22 | 0.0 | 13:18 | 0.0 | 14:18 | 0.0 | 15:18 | 0.0 | 16:03 | 0.0 | NA | NA |
| IMPL-E | 8:23 | 0.0 | 9:12 | 0.0 | 10:12 | 0.0 | 11:08 | 0.0 | 12:24 | 0.0 | 13:21 | 0.0 | 14:21 | 0.0 | 15:20 | 0.0 | 16:05 | 0.0 | NA | NA |
| IMPL-F | 8:25 | 0.0 | 9:14 | 0.0 | 10:15 | 0.0 | 11:09 | 0.0 | 12:26 | 0.0 | 13:23 | 0.0 | 14:23 | 0.0 | 15:23 | 0.0 | 16:07 | 0.0 | NA | NA |
| IMPL-G | 8:27 | 0.0 | 9:16 | 0.0 | 10:17 | 0.0 | 11:10 | 0.0 | 12:28 | 0.0 | 13:25 | 0.0 | 14:25 | 0.0 | 15:25 | 0.0 | 16:09 | 0.0 | NA | NA |
| IMPL-H | 8:29 | 0.0 | 9:18 | 0.0 | 10:19 | 0.0 | 11:11 | 0.0 | 12:29 | 0.0 | 13:27 | 0.0 | 14:27 | 0.0 | 15:27 | 0.0 | 16:10 | 0.0 | NA | NA |
| IMPL-I | 8:32 | 0.0 | 9:20 | 0.0 | 10:21 | 0.0 | 11:13 | 0.0 | 12:30 | 0.0 | 13:29 | 0.0 | 14:29 | 0.0 | 15:29 | 0.0 | 16:12 | 0.0 | NA | NA |
| IMPL-J | 8:33 | 0.0 | 9:23 | 0.0 | 10:24 | 0.0 | 11:14 | 0.0 | 12:32 | 0.0 | 13:30 | 0.0 | 14:30 | 0.0 | 15:30 | 0.0 | 16:12 | 0.0 | NA | NA |
| IMPL-K | 8:35 | 0.0 | 9:25 | 0.0 | 10:16 | 0.0 | 11:16 | 0.0 | 12:33 | 0.0 | 13:32 | 0.0 | 14:32 | 0.0 | 15:32 | 0.0 | 16:15 | 0.0 | NA | NA |
| IMPL-L | 8:37 | 0.0 | 9:27 | 0.0 | 10:28 | 0.0 | 11:17 | 0.0 | 12:33 | 0.0 | 13:34 | 0.0 | 14:34 | 0.0 | 15:33 | 0.0 | 16:16 | 0.0 | NA | NA |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

12/20/2021

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 9:24 | 0.0 | 10:24 | 0.0 | 15:28 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SAM-2 | 9:26 | 0.0 | 10:26 | 0.0 | 15:30 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SAM-3 | 9:28 | 0.0 | 10:28 | 0.0 | 15:32 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SAM-4 | 9:30 | 0.0 | 10:30 | 0.0 | 15:34 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-A | 9:03 | 0.0 | 10:03 | 0.0 | 15:21 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-B | 9:06 | 0.0 | 10:06 | 0.0 | 15:22 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-C | 9:09 | 0.0 | 10:09 | 0.0 | 15:23 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-D | 9:11 | 0.0 | 10:11 | 0.0 | 15:23 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-E | 9:13 | 0.0 | 10:13 | 0.0 | 15:24 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-F | 9:15 | 0.0 | 10:15 | 0.0 | 15:24 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-G | 9:16 | 0.0 | 10:16 | 0.0 | 15:15 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-H | 9:17 | 0.0 | 10:17 | 0.0 | 15:26 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-I | 9:18 | 0.0 | 10:18 | 0.0 | 15:26 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-J | 9:21 | 0.0 | 10:21 | 0.0 | 15:27 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-K | 9:22 | 0.0 | 10:22 | 0.0 | 15:27 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-L | 9:24 | 0.0 | 10:24 | 0.0 | 15:28 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

12/21/2021

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 9:14 | 0.0 | 11:01 | 0.0 | 12:20 | 0.0 | 14:02 | 0.0 | 14:02 | 0.0 | 15:20 | 0.0 | 16:11 | 0.0 | NA | NA | NA | NA | NA | NA |
| SAM-2 | 9:16 | 0.0 | 10:55 | 0.0 | 12:06 | 0.0 | 13:53 | 0.0 | 14:10 | 0.0 | 15:16 | 0.0 | 16:06 | 0.0 | NA | NA | NA | NA | NA | NA |
| SAM-3 | 9:18 | 0.0 | 11:07 | 0.0 | 12:10 | 0.0 | 13:56 | 0.0 | 14:13 | 0.0 | 15:24 | 0.0 | 16:15 | 0.0 | NA | NA | NA | NA | NA | NA |
| SAM-4 | 9:20 | 0.0 | 11:15 | 0.0 | 12:15 | 0.0 | 11:15 | 0.0 | 14:16 | 0.0 | 15:33 | 0.0 | 16:22 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-A | 9:00 | 0.0 | 10:56 | 0.0 | 12:00 | 0.0 | 13:45 | 0.0 | 14:07 | 0.0 | 15:10 | 0.0 | 16:00 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-B | 9:01 | 0.0 | 10:58 | 0.0 | 12:01 | 0.0 | 13:46 | 0.0 | 14:07 | 0.0 | 15:11 | 0.0 | 16:01 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-C | 9:02 | 0.0 | 10:59 | 0.0 | 12:02 | 0.0 | 13:48 | 0.0 | 14:08 | 0.0 | 15:12 | 0.0 | 16:02 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-D | 9:03 | 0.0 | 11:00 | 0.0 | 12:03 | 0.0 | 13:49 | 0.0 | 14:08 | 0.0 | 15:13 | 0.0 | 16:03 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-E | 9:04 | 0.0 | 11:03 | 0.0 | 12:04 | 0.0 | 13:50 | 0.0 | 14:09 | 0.0 | 15:14 | 0.0 | 16:04 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-F | 9:05 | 0.0 | 11:04 | 0.0 | 12:07 | 0.0 | 13:54 | 0.0 | 14:11 | 0.0 | 15:18 | 0.0 | 16:08 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-G | 9:06 | 0.0 | 11:09 | 0.0 | 12:08 | 0.0 | 13:55 | 0.0 | 14:12 | 0.0 | 15:19 | 0.0 | 16:09 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-H | 9:08 | 0.0 | 11:10 | 0.0 | 12:11 | 0.0 | 13:58 | 0.0 | 14:13 | 0.0 | 15:26 | 0.0 | 16:12 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-I | 9:10 | 0.0 | 11:11 | 0.0 | 12:12 | 0.0 | 13:59 | 0.0 | 14:15 | 0.0 | 15:29 | 0.0 | 16:13 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-J | 9:11 | 0.0 | 11:12 | 0.0 | 12:13 | 0.0 | 14:00 | 0.0 | 14:15 | 0.0 | 15:31 | 0.0 | 16:18 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-K | 9:12 | 0.0 | 11:17 | 0.0 | 12:17 | 0.0 | 14:05 | 0.0 | 14:17 | 0.0 | 15:35 | 0.0 | 16:24 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-L | 9:13 | 0.0 | 11:20 | 0.0 | 12:18 | 0.0 | 14:07 | 0.0 | 14:18 | 0.0 | 15:38 | 0.0 | 16:26 | 0.0 | NA | NA | NA | NA | NA | NA |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

12/22/2021

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 8:15 | 0.0 | 10:03 | 0.0 | 11:13 | 0.0 | 13:11 | 0.0 | 14:08 | 0.0 | 15:05 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| SAM-2 | 8:08 | 0.0 | 9:58 | 0.0 | 11:06 | 0.0 | 13:06 | 0.0 | 14:00 | 0.0 | 15:00 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| SAM-3 | 8:32 | 0.0 | 10:07 | 0.0 | 11:17 | 0.0 | 13:16 | 0.0 | 14:13 | 0.0 | 15:09 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| SAM-4 | 8:40 | 0.0 | 10:09 | 0.0 | 11:22 | 0.0 | 13:20 | 0.0 | 14:17 | 0.0 | 15:15 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-A | 8:00 | 0.0 | 9:50 | 0.0 | 11:00 | 0.0 | 13:00 | 0.0 | 14:01 | 0.0 | 15:01 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-B | 8:03 | 0.0 | 9:52 | 0.0 | 11:01 | 0.0 | 13:01 | 0.0 | 14:02 | 0.0 | 15:02 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-C | 8:05 | 0.0 | 9:54 | 0.0 | 11:03 | 0.0 | 13:02 | 0.0 | 14:03 | 0.0 | 15:03 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-D | 8:06 | 0.0 | 9:56 | 0.0 | 11:04 | 0.0 | 13:03 | 0.0 | 14:04 | 0.0 | 15:04 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-E | 8:10 | 0.0 | 9:59 | 0.0 | 11:08 | 0.0 | 13:04 | 0.0 | 14:05 | 0.0 | 15:06 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-F | 8:12 | 0.0 | 10:00 | 0.0 | 11:10 | 0.0 | 13:08 | 0.0 | 14:09 | 0.0 | 15:07 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-G | 8:18 | 0.0 | 10:01 | 0.0 | 11:14 | 0.0 | 13:09 | 0.0 | 14:10 | 0.0 | 15:10 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-H | 8:21 | 0.0 | 10:05 | 0.0 | 11:15 | 0.0 | 13:12 | 0.0 | 14:14 | 0.0 | 15:11 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-I | 8:24 | 0.0 | 10:06 | 0.0 | 11:18 | 0.0 | 13:14 | 0.0 | 14:15 | 0.0 | 15:12 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-J | 8:27 | 0.0 | 10:08 | 0.0 | 11:19 | 0.0 | 13:19 | 0.0 | 14:16 | 0.0 | 15:13 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-K | 8:35 | 0.0 | 10:09 | 0.0 | 11:20 | 0.0 | 13:24 | 0.0 | 14:19 | 0.0 | 15:16 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-L | 8:38 | 0.0 | 10:10 | 0.0 | 11:23 | 0.0 | 13:27 | 0.0 | 14:20 | 0.0 | 15:20 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

12/23/2021

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 8:07 | 0.0 | 9:07 | 0.0 | 10:06 | 0.0 | 11:00 | 0.0 | 12:09 | 0.0 | 13:09 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| SAM-2 | 7:59 | 0.0 | 9:24 | 0.0 | 10:00 | 0.0 | 11:06 | 0.0 | 12:06 | 0.0 | 13:06 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| SAM-3 | 8:14 | 0.0 | 9:14 | 0.0 | 10:10 | 0.0 | 11:10 | 0.0 | 12:12 | 0.0 | 13:12 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| SAM-4 | 8:19 | 0.0 | 9:19 | 0.0 | 10:15 | 0.0 | 11:13 | 0.0 | 12:17 | 0.0 | 13:17 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-A | 8:00 | 0.0 | 9:00 | 0.0 | 9:00 | 0.0 | 10:55 | 0.0 | 12:00 | 0.0 | 13:00 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-B | 8:01 | 0.0 | 9:01 | 0.0 | 10:03 | 0.0 | 10:56 | 0.0 | 12:01 | 0.0 | 13:01 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-C | 8:02 | 0.0 | 9:02 | 0.0 | 10:04 | 0.0 | 10:57 | 0.0 | 12:02 | 0.0 | 13:02 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-D | 8:03 | 0.0 | 9:03 | 0.0 | 10:05 | 0.0 | 10:58 | 0.0 | 12:03 | 0.0 | 13:03 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-E | 8:04 | 0.0 | 9:04 | 0.0 | 10:07 | 0.0 | 11:02 | 0.0 | 12:04 | 0.0 | 13:04 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-F | 8:10 | 0.0 | 9:10 | 0.0 | 10:08 | 0.0 | 11:03 | 0.0 | 12:08 | 0.0 | 13:08 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-G | 8:11 | 0.0 | 9:11 | 0.0 | 10:09 | 0.0 | 11:04 | 0.0 | 12:10 | 0.0 | 13:10 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-H | 8:15 | 0.0 | 9:15 | 0.0 | 10:11 | 0.0 | 11:07 | 0.0 | 12:11 | 0.0 | 13:11 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-I | 8:16 | 0.0 | 9:16 | 0.0 | 10:12 | 0.0 | 11:08 | 0.0 | 12:14 | 0.0 | 13:14 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-J | 8:17 | 0.0 | 9:17 | 0.0 | 10:13 | 0.0 | 11:09 | 0.0 | 12:15 | 0.0 | 13:15 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-K | 8:20 | 0.0 | 9:20 | 0.0 | 10:16 | 0.0 | 11:14 | 0.0 | 12:19 | 0.0 | 13:19 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-L | 8:21 | 0.0 | 9:21 | 0.0 | 10:18 | 0.0 | 11:15 | 0.0 | 12:20 | 0.0 | 13:20 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

12/27/2021

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 8:08 | 0.0 | 9:18 | 0.0 | 10:08 | 0.0 | 11:08 | 0.0 | 12:08 | 0.0 | 13:26 | 0.0 | 14:10 | 0.0 | 15:18 | 0.1 | 16:09 | 0.1 | NA | NA |
| SAM-2 | 8:05 | 0.0 | 9:14 | 0.0 | 10:04 | 0.0 | 11:04 | 0.0 | 12:04 | 0.0 | 13:30 | 0.0 | 14:06 | 0.0 | 15:11 | 0.1 | 16:06 | 0.1 | NA | NA |
| SAM-3 | 8:14 | 0.0 | 9:22 | 0.0 | 10:14 | 0.0 | 11:11 | 0.0 | 12:11 | 0.0 | 13:34 | 0.0 | 14:15 | 0.0 | 15:25 | 0.1 | 16:12 | 0.1 | NA | NA |
| SAM-4 | 8:19 | 0.0 | 9:39 | 0.0 | 10:18 | 0.0 | 11:13 | 0.0 | 12:13 | 0.0 | 13:40 | 0.0 | 14:19 | 0.0 | 15:36 | 0.1 | 16:15 | 0.1 | NA | NA |
| IMPL-A | 8:00 | 0.0 | 9:10 | 0.0 | 10:00 | 0.0 | 11:00 | 0.0 | 12:00 | 0.0 | 13:15 | 0.0 | 14:00 | 0.0 | 15:00 | 0.1 | 16:00 | 0.1 | NA | NA |
| IMPL-B | 8:01 | 0.0 | 9:11 | 0.0 | 10:01 | 0.0 | 11:01 | 0.0 | 12:01 | 0.0 | 13:17 | 0.0 | 14:02 | 0.0 | 15:03 | 0.1 | 16:01 | 0.1 | NA | NA |
| IMPL-C | 8:02 | 0.0 | 9:12 | 0.0 | 10:02 | 0.0 | 11:02 | 0.0 | 12:02 | 0.0 | 13:19 | 0.0 | 14:03 | 0.0 | 15:06 | 0.1 | 16:02 | 0.1 | NA | NA |
| IMPL-D | 8:03 | 0.0 | 9:13 | 0.0 | 10:03 | 0.0 | 11:03 | 0.0 | 12:03 | 0.0 | 13:20 | 0.0 | 14:04 | 0.0 | 15:09 | 0.1 | 16:03 | 0.1 | NA | NA |
| IMPL-E | 8:09 | 0.0 | 9:16 | 0.0 | 10:06 | 0.0 | 11:05 | 0.0 | 12:05 | 0.0 | 13:22 | 0.0 | 14:05 | 0.0 | 15:14 | 0.1 | 16:04 | 0.1 | NA | NA |
| IMPL-F | 8:10 | 0.0 | 9:22 | 0.0 | 10:07 | 0.0 | 11:06 | 0.0 | 12:06 | 0.0 | 13:24 | 0.0 | 14:07 | 0.0 | 15:15 | 0.1 | 16:07 | 0.1 | NA | NA |
| IMPL-G | 8:11 | 0.0 | 9:25 | 0.0 | 10:09 | 0.0 | 11:07 | 0.0 | 12:07 | 0.0 | 13:28 | 0.0 | 14:12 | 0.0 | 15:19 | 0.1 | 16:08 | 0.1 | NA | NA |
| IMPL-H | 8:15 | 0.0 | 9:28 | 0.0 | 10:11 | 0.0 | 11:09 | 0.0 | 12:09 | 0.0 | 13:32 | 0.0 | 14:16 | 0.0 | 15:23 | 0.1 | 16:10 | 0.1 | NA | NA |
| IMPL-I | 8:16 | 0.0 | 9:34 | 0.0 | 10:15 | 0.0 | 11:10 | 0.0 | 12:10 | 0.0 | 13:36 | 0.0 | 14:17 | 0.0 | 15:29 | 0.1 | 16:13 | 0.1 | NA | NA |
| IMPL-J | 8:17 | 0.0 | 9:37 | 0.0 | 10:16 | 0.0 | 11:12 | 0.0 | 12:12 | 0.0 | 13:38 | 0.0 | 14:18 | 0.0 | 15:33 | 0.1 | 16:14 | 0.1 | NA | NA |
| IMPL-K | 8:20 | 0.0 | 9:42 | 0.0 | 10:19 | 0.0 | 11:14 | 0.0 | 12:14 | 0.0 | 13:42 | 0.0 | 14:20 | 0.0 | 15:39 | 0.1 | 16:17 | 0.1 | NA | NA |
| IMPL-L | 8:23 | 0.0 | 9:45 | 0.0 | 10:21 | 0.0 | 11:15 | 0.0 | 12:15 | 0.0 | 13:54 | 0.0 | 14:21 | 0.0 | 15:42 | 0.1 | 16:20 | 0.1 | NA | NA |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

12/28/2021

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 7:50 | 0.0 | 9:09 | 0.0 | 10:09 | 0:00 | 11:00 | 0:00 | 13:09 | 2:24 | 14:31 | 7:12 | 15:07 | 7:12 | 16:07 | 0:00 | NA | NA | NA | NA |
| SAM-2 | 8:33 | 0.0 | 9:05 | 0.0 | 10:05 | 0:00 | 11:06 | 0:00 | 13:05 | 2:24 | 14:41 | 4:48 | 15:06 | 4:48 | 16:06 | 0:00 | NA | NA | NA | NA |
| SAM-3 | 8:13 | 0.0 | 9:13 | 0.0 | 10:13 | 0:00 | 11:10 | 0:00 | 13:13 | 2:24 | 14:33 | 4:48 | 15:11 | 4:48 | 16:11 | 0:00 | NA | NA | NA | NA |
| SAM-4 | 8:20 | 0.0 | 9:16 | 0.0 | 10:16 | 0:00 | 11:13 | 0:00 | 13:16 | 2:24 | 14:38 | 4:48 | 15:15 | 4:48 | 16:15 | 0:00 | NA | NA | NA | NA |
| IMPL-A | 8:34 | 0.0 | 9:00 | 0.0 | 10:00 | 0:00 | 10:55 | 0:00 | 13:00 | 2:24 | 14:25 | 4:48 | 15:00 | 4:48 | 16:00 | 0:00 | NA | NA | NA | NA |
| IMPL-B | 8:35 | 0.0 | 9:02 | 0.0 | 10:02 | 0:00 | 10:56 | 0:00 | 13:02 | 2:24 | 14:26 | 4:48 | 15:01 | 4:48 | 16:01 | 0:00 | NA | NA | NA | NA |
| IMPL-C | 8:36 | 0.0 | 9:03 | 0.0 | 10:03 | 0:00 | 10:57 | 0:00 | 13:03 | 2:24 | 14:27 | 4:48 | 15:02 | 4:48 | 16:02 | 0:00 | NA | NA | NA | NA |
| IMPL-D | 8:37 | 0.0 | 9:04 | 0.0 | 10:04 | 0:00 | 10:58 | 0:00 | 13:04 | 2:24 | 14:27 | 4:48 | 15:03 | 4:48 | 16:03 | 0:00 | NA | NA | NA | NA |
| IMPL-E | 8:39 | 0.0 | 9:07 | 0.0 | 10:07 | 0:00 | 11:02 | 0:00 | 13:07 | 2:24 | 14:29 | 4:48 | 15:04 | 12:00 | 16:04 | 0:00 | NA | NA | NA | NA |
| IMPL-F | 7:57 | 0.0 | 9:10 | 0.0 | 10:10 | 0:00 | 11:03 | 0:00 | 13:10 | 2:24 | 14:30 | 4:48 | 15:08 | 7:12 | 16:08 | 0:00 | NA | NA | NA | NA |
| IMPL-G | 7:58 | 0.0 | 9:11 | 0.0 | 10:11 | 0:00 | 11:04 | 0:00 | 13:11 | 2:24 | 14:32 | 4:48 | 15:09 | 4:48 | 16:09 | 0:00 | NA | NA | NA | NA |
| IMPL-H | 8:14 | 0.0 | 9:12 | 0.0 | 10:12 | 0:00 | 11:07 | 0:00 | 13:12 | 2:24 | 14:34 | 4:48 | 15:10 | 4:48 | 16:10 | 0:00 | NA | NA | NA | NA |
| IMPL-I | 8:15 | 0.0 | 9:14 | 0.0 | 10:14 | 0:00 | 11:08 | 0:00 | 13:14 | 2:24 | 14:45 | 4:48 | 15:13 | 4:48 | 16:13 | 0:00 | NA | NA | NA | NA |
| IMPL-J | 8:16 | 0.0 | 9:15 | 0.0 | 10:15 | 0:00 | 11:09 | 0:00 | 13:15 | 2:24 | 14:36 | 4:48 | 15:14 | 4:48 | 16:14 | 0:00 | NA | NA | NA | NA |
| IMPL-K | 8:22 | 0.0 | 9:19 | 0.0 | 10:19 | 0:00 | 11:14 | 0:00 | 13:19 | 2:24 | 14:39 | 4:48 | 15:17 | 4:48 | 16:17 | 0:00 | NA | NA | NA | NA |
| IMPL-L | 8:24 | 0.0 | 9:20 | 0.0 | 10:20 | 0:00 | 11:15 | 0:00 | 13:20 | 2:24 | 14:40 | 4:48 | 15:20 | 4:48 | 16:20 | 0:00 | NA | NA | NA | NA |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

12/29/2021

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 8:07 | 0.0 | 9:07 | 0.0 | 10:07 | 0.0 | 11:23 | 0.0 | 12:08 | 0.0 | 13:08 | 0.0 | 14:08 | 0.0 | 15:08 | 0.0 | 16:08 | 0.0 | 1600 | 0.0 |
| SAM-2 | 8:09 | 0.0 | 9:09 | 0.0 | 10:09 | 0.0 | 11:13 | 0.0 | 12:05 | 0.0 | 13:05 | 0.0 | 14:05 | 0.0 | 15:05 | 0.0 | 16:05 | 0.0 | 1610 | 0.0 |
| SAM-3 | 8:13 | 0.0 | 9:13 | 0.0 | 10:13 | 0.0 | 11:26 | 0.0 | 12:14 | 0.0 | 13:14 | 0.0 | 14:14 | 0.0 | 15:14 | 0.0 | 16:14 | 0.0 | 1607 | 0.0 |
| SAM-4 | 8:15 | 0.0 | 9:15 | 0.0 | 10:15 | 0.0 | 11:30 | 0.0 | 12:19 | 0.0 | 13:19 | 0.0 | 14:19 | 0.0 | 15:19 | 0.0 | 16:19 | 0.0 | 1603 | 0.0 |
| IMPL-A | 8:00 | 0.0 | 9:00 | 0.0 | 10:00 | 0.0 | 11:15 | 0.0 | 12:00 | 0.0 | 13:00 | 0.0 | 14:00 | 0.0 | 15:00 | 0.0 | 16:00 | 0.0 | 1611 | 0.0 |
| IMPL-B | 8:01 | 0.0 | 9:01 | 0.0 | 10:01 | 0.0 | 11:16 | 0.0 | 12:01 | 0.0 | 13:01 | 0.0 | 14:01 | 0.0 | 15:01 | 0.0 | 16:01 | 0.0 | 1612 | 0.0 |
| IMPL-C | 8:03 | 0.0 | 9:03 | 0.0 | 10:03 | 0.0 | 11:17 | 0.0 | 12:02 | 0.0 | 13:02 | 0.0 | 14:02 | 0.0 | 15:02 | 0.0 | 16:02 | 0.0 | 1613 | 0.0 |
| IMPL-D | 8:04 | 0.0 | 9:04 | 0.0 | 10:04 | 0.0 | 11:18 | 0.0 | 12:03 | 0.0 | 13:03 | 0.0 | 14:03 | 0.0 | 15:03 | 0.0 | 16:03 | 0.0 | 1614 | 0.0 |
| IMPL-E | 8:05 | 0.0 | 9:05 | 0.0 | 10:05 | 0.0 | 11:19 | 0.0 | 12:06 | 0.0 | 13:06 | 0.0 | 14:06 | 0.0 | 15:06 | 0.0 | 16:06 | 0.0 | 1615 | 0.0 |
| IMPL-F | 8:06 | 0.0 | 9:06 | 0.0 | 10:06 | 0.0 | 11:20 | 0.0 | 12:07 | 0.0 | 13:07 | 0.0 | 14:07 | 0.0 | 15:07 | 0.0 | 16:07 | 0.0 | 1616 | 0.0 |
| IMPL-G | 8:08 | 0.0 | 9:08 | 0.0 | 10:08 | 0.0 | 11:25 | 0.0 | 12:09 | 0.0 | 13:09 | 0.0 | 14:09 | 0.0 | 15:09 | 0.0 | 16:09 | 0.0 | 1617 | 0.0 |
| IMPL-H | 8:10 | 0.0 | 9:10 | 0.0 | 10:10 | 0.0 | 11:27 | 0.0 | 12:11 | 0.0 | 13:11 | 0.0 | 14:11 | 0.0 | 15:11 | 0.0 | 16:11 | 0.0 | 1618 | 0.0 |
| IMPL-I | 8:12 | 0.0 | 9:12 | 0.0 | 10:12 | 0.0 | 11:28 | 0.0 | 12:15 | 0.0 | 13:15 | 0.0 | 14:15 | 0.0 | 15:15 | 0.0 | 16:15 | 0.0 | 1619 | 0.0 |
| IMPL-J | 8:14 | 0.0 | 9:14 | 0.0 | 10:14 | 0.0 | 11:29 | 0.0 | 12:17 | 0.0 | 13:17 | 0.0 | 14:17 | 0.0 | 15:17 | 0.0 | 16:17 | 0.0 | 1620 | 0.0 |
| IMPL-K | 8:16 | 0.0 | 9:16 | 0.0 | 10:16 | 0.0 | 11:31 | 0.0 | 12:21 | 0.0 | 13:21 | 0.0 | 14:21 | 0.0 | 15:21 | 0.0 | 16:21 | 0.0 | 1621 | 0.0 |
| IMPL-L | 8:17 | 0.0 | 9:17 | 0.0 | 10:17 | 0.0 | 11:35 | 0.0 | 12:25 | 0.0 | 13:25 | 0.0 | 14:25 | 0.0 | 15:25 | 0.0 | 16:25 | 0.0 | 1622 | 0.0 |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.

12/30/2021

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 8:18 | 0.0 | 9:07 | 0.0 | 10:07 | 0.0 | 11:07 | 0.0 | 12:07 | 0.0 | 13:07 | 0.0 | 14:07 | 0.0 | 15:07 | 0.0 | 16:07 | 0.0 | NA | NA |
| SAM-2 | 8:11 | 0.0 | 9:04 | 0.0 | 10:04 | 0.0 | 11:04 | 0.0 | 12:04 | 0.0 | 13:04 | 0.0 | 14:04 | 0.0 | 15:04 | 0.0 | 16:04 | 0.0 | NA | NA |
| SAM-3 | 8:21 | 0.0 | 9:13 | 0.0 | 10:13 | 0.0 | 11:13 | 0.0 | 12:13 | 0.0 | 13:13 | 0.0 | 14:13 | 0.0 | 15:13 | 0.0 | 16:13 | 0.0 | NA | NA |
| SAM-4 | 8:30 | 0.0 | 9:18 | 0.0 | 10:18 | 0.0 | 11:18 | 0.0 | 12:18 | 0.0 | 13:18 | 0.0 | 14:18 | 0.0 | 15:18 | 0.0 | 16:18 | 0.0 | NA | NA |
| IMPL-A | 8:07 | 0.0 | 9:00 | 0.0 | 10:00 | 0.0 | 11:00 | 0.0 | 12:00 | 0.0 | 13:00 | 0.0 | 14:00 | 0.0 | 15:00 | 0.0 | 16:00 | 0.0 | NA | NA |
| IMPL-B | 8:08 | 0.0 | 9:01 | 0.0 | 10:01 | 0.0 | 11:01 | 0.0 | 12:01 | 0.0 | 13:01 | 0.0 | 14:01 | 0.0 | 15:01 | 0.0 | 16:01 | 0.0 | NA | NA |
| IMPL-C | 8:09 | 0.0 | 9:02 | 0.0 | 10:02 | 0.0 | 11:02 | 0.0 | 12:02 | 0.0 | 13:02 | 0.0 | 14:02 | 0.0 | 15:02 | 0.0 | 16:02 | 0.0 | NA | NA |
| IMPL-D | 8:10 | 0.0 | 9:03 | 0.0 | 10:03 | 0.0 | 11:03 | 0.0 | 12:03 | 0.0 | 13:03 | 0.0 | 14:03 | 0.0 | 15:03 | 0.0 | 16:03 | 0.0 | NA | NA |
| IMPL-E | 8:12 | 0.0 | 9:06 | 0.0 | 10:06 | 0.0 | 11:06 | 0.0 | 12:06 | 0.0 | 13:06 | 0.0 | 14:06 | 0.0 | 15:06 | 0.0 | 16:06 | 0.0 | NA | NA |
| IMPL-F | 8:13 | 0.0 | 9:09 | 0.0 | 10:09 | 0.0 | 11:09 | 0.0 | 12:09 | 0.0 | 13:09 | 0.0 | 14:09 | 0.0 | 15:09 | 0.0 | 16:09 | 0.0 | NA | NA |
| IMPL-G | 8:14 | 0.0 | 9:10 | 0.0 | 10:10 | 0.0 | 11:10 | 0.0 | 12:10 | 0.0 | 13:10 | 0.0 | 14:10 | 0.0 | 15:10 | 0.0 | 16:10 | 0.0 | NA | NA |
| IMPL-H | 8:19 | 0.0 | 9:11 | 0.0 | 10:11 | 0.0 | 11:11 | 0.0 | 12:11 | 0.0 | 13:11 | 0.0 | 14:11 | 0.0 | 15:11 | 0.0 | 16:11 | 0.0 | NA | NA |
| IMPL-I | 8:20 | 0.0 | 9:14 | 0.0 | 10:14 | 0.0 | 11:14 | 0.0 | 12:14 | 0.0 | 13:14 | 0.0 | 14:14 | 0.0 | 15:14 | 0.0 | 16:14 | 0.0 | NA | NA |
| IMPL-J | 8:23 | 0.0 | 9:16 | 0.0 | 10:16 | 0.0 | 11:16 | 0.0 | 12:16 | 0.0 | 13:16 | 0.0 | 14:16 | 0.0 | 15:16 | 0.0 | 16:16 | 0.0 | NA | NA |
| IMPL-K | 8:35 | 0.0 | 9:19 | 0.0 | 10:19 | 0.0 | 11:19 | 0.0 | 12:19 | 0.0 | 13:19 | 0.0 | 14:19 | 0.0 | 15:19 | 0.0 | 16:19 | 0.0 | NA | NA |
| IMPL-L | 8:40 | 0.0 | 9:23 | 0.0 | 10:23 | 0.0 | 11:20 | 0.0 | 12:20 | 0.0 | 13:20 | 0.0 | 14:20 | 0.0 | 15:20 | 0.0 | 16:20 | 0.0 | NA | NA |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.

1/3/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 7:00 | 0.0 | 8:01 | 0.0 | 9:01 | 0.0 | 11:11 | 0.0 | 11:45 | 0.0 | 15:03 | 0.0 | 16:03 | 0.0 | NA | NA | NA | NA | NA | NA |
| SAM-2 | 7:10 | 0.0 | 8:10 | 0.0 | 9:10 | 0.0 | 11:19 | 0.0 | 11:49 | 0.0 | 15:06 | 0.0 | 16:06 | 0.0 | NA | NA | NA | NA | NA | NA |
| SAM-3 | 7:02 | 0.0 | 8:03 | 0.0 | 9:03 | 0.0 | 11:13 | 0.0 | 11:43 | 0.0 | 15:05 | 0.0 | 16:05 | 0.0 | NA | NA | NA | NA | NA | NA |
| SAM-4 | 7:07 | 0.0 | 8:06 | 0.0 | 9:06 | 0.0 | 11:16 | 0.0 | 11:46 | 0.0 | 15:10 | 0.0 | 16:10 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-A | 7:11 | 0.0 | 8:11 | 0.0 | 9:11 | 0.0 | 11:21 | 0.0 | 11:51 | 0.0 | 15:11 | 0.0 | 16:11 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-B | 7:12 | 0.0 | 8:12 | 0.0 | 9:12 | 0.0 | 11:22 | 0.0 | 11:52 | 0.0 | 15:12 | 0.0 | 16:12 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-C | 7:14 | 0.0 | 8:13 | 0.0 | 9:13 | 0.0 | 11:24 | 0.0 | 11:54 | 0.0 | 15:14 | 0.0 | 16:14 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-D | 7:15 | 0.0 | 8:15 | 0.0 | 9:15 | 0.0 | 11:25 | 0.0 | 11:55 | 0.0 | 15:15 | 0.0 | 16:15 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-E | 7:16 | 0.0 | 8:16 | 0.0 | 9:16 | 0.0 | 11:26 | 0.0 | 11:56 | 0.0 | 15:16 | 0.0 | 16:16 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-F | 7:18 | 0.0 | 8:17 | 0.0 | 9:17 | 0.0 | 11:28 | 0.0 | 11:58 | 0.0 | 15:18 | 0.0 | 16:18 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-G | 7:19 | 0.0 | 8:18 | 0.0 | 9:18 | 0.0 | 11:29 | 0.0 | 11:59 | 0.0 | 15:19 | 0.0 | 16:19 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-H | 7:20 | 0.0 | 8:20 | 0.0 | 9:20 | 0.0 | 11:30 | 0.0 | 12:00 | 0.0 | 15:20 | 0.0 | 16:20 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-I | 7:22 | 0.0 | 8:21 | 0.0 | 9:21 | 0.0 | 11:31 | 0.0 | 12:01 | 0.0 | 15:22 | 0.0 | 16:22 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-J | 7:23 | 0.0 | 8:23 | 0.0 | 9:23 | 0.0 | 11:32 | 0.0 | 12:02 | 0.0 | 15:23 | 0.0 | 16:23 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-K | 7:24 | 0.0 | 8:24 | 0.0 | 9:24 | 0.0 | 11:34 | 0.0 | 12:04 | 0.0 | 15:24 | 0.0 | 16:24 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-L | 7:25 | 0.0 | 8:25 | 0.0 | 9:25 | 0.0 | 11:35 | 0.0 | 12:05 | 0.0 | 15:25 | 0.0 | 16:25 | 0.0 | NA | NA | NA | NA | NA | NA |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.

1/4/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 7:01 | 0.0 | 7:59 | 0.0 | 9:02 | 0.0 | 10:00 | 0.0 | 11:50 | 0.0 | 12:50 | 0.0 | 15:00 | 0.0 | 16:03 | 0.0 | NA | NA | NA | NA |
| SAM-2 | 7:12 | 0.0 | 8:11 | 0.0 | 9:14 | 0.0 | 10:11 | 0.0 | 11:05 | 0.0 | 13:01 | 0.0 | 15:12 | 0.0 | 16:14 | 0.0 | NA | NA | NA | NA |
| SAM-3 | 7:09 | 0.0 | 8:07 | 0.0 | 9:10 | 0.0 | 10:07 | 0.0 | 11:59 | 0.0 | 12:57 | 0.0 | 15:08 | 0.0 | 16:10 | 0.0 | NA | NA | NA | NA |
| SAM-4 | 7:05 | 0.0 | 8:03 | 0.0 | 9:05 | 0.0 | 10:04 | 0.0 | 11:54 | 0.0 | 12:54 | 0.0 | 15:03 | 0.0 | 16:06 | 0.0 | NA | NA | NA | NA |
| IMPL-A | 7:13 | 0.0 | 8:12 | 0.0 | 9:15 | 0.0 | 10:12 | 0.0 | 11:06 | 0.0 | 13:02 | 0.0 | 15:14 | 0.0 | 16:15 | 0.0 | NA | NA | NA | NA |
| IMPL-B | 7:14 | 0.0 | 8:13 | 0.0 | 9:16 | 0.0 | 10:13 | 0.0 | 11:08 | 0.0 | 13:03 | 0.0 | 15:15 | 0.0 | 16:16 | 0.0 | NA | NA | NA | NA |
| IMPL-C | 7:16 | 0.0 | 8:14 | 0.0 | 9:18 | 0.0 | 10:14 | 0.0 | 11:09 | 0.0 | 13:04 | 0.0 | 15:16 | 0.0 | 16:17 | 0.0 | NA | NA | NA | NA |
| IMPL-D | 7:17 | 0.0 | 8:15 | 0.0 | 9:19 | 0.0 | 10:16 | 0.0 | 11:10 | 0.0 | 13:05 | 0.0 | 15:17 | 0.0 | 16:18 | 0.0 | NA | NA | NA | NA |
| IMPL-E | 7:18 | 0.0 | 8:16 | 0.0 | 9:20 | 0.0 | 10:17 | 0.0 | 11:12 | 0.0 | 13:07 | 0.0 | 15:19 | 0.0 | 16:19 | 0.0 | NA | NA | NA | NA |
| IMPL-F | 7:19 | 0.0 | 8:18 | 0.0 | 9:21 | 0.0 | 10:18 | 0.0 | 11:13 | 0.0 | 13:08 | 0.0 | 15:20 | 0.0 | 16:20 | 0.0 | NA | NA | NA | NA |
| IMPL-G | 7:21 | 0.0 | 8:19 | 0.0 | 9:22 | 0.0 | 10:19 | 0.0 | 11:14 | 0.0 | 13:09 | 0.0 | 15:21 | 0.0 | 16:21 | 0.0 | NA | NA | NA | NA |
| IMPL-H | 7:22 | 0.0 | 8:20 | 0.0 | 9:23 | 0.0 | 10:20 | 0.0 | 11:15 | 0.0 | 13:10 | 0.0 | 15:22 | 0.0 | 16:23 | 0.0 | NA | NA | NA | NA |
| IMPL-I | 7:23 | 0.0 | 8:21 | 0.0 | 9:24 | 0.0 | 10:22 | 0.0 | 11:16 | 0.0 | 13:12 | 0.0 | 15:23 | 0.0 | 16:24 | 0.0 | NA | NA | NA | NA |
| IMPL-J | 7:24 | 0.0 | 8:23 | 0.0 | 9:26 | 0.0 | 10:23 | 0.0 | 11:18 | 0.0 | 13:13 | 0.0 | 15:24 | 0.0 | 16:25 | 0.0 | NA | NA | NA | NA |
| IMPL-K | 7:25 | 0.0 | 8:24 | 0.0 | 9:27 | 0.0 | 10:24 | 0.0 | 11:20 | 0.0 | 13:14 | 0.0 | 15:25 | 0.0 | 16:26 | 0.0 | NA | NA | NA | NA |
| IMPL-L | 7:27 | 0.0 | 8:25 | 0.0 | 9:28 | 0.0 | 10:25 | 0.0 | 11:21 | 0.0 | 13:15 | 0.0 | 15:26 | 0.0 | 16:27 | 0.0 | NA | NA | NA | NA |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.

1/5/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 726 | 0.0 | 815 | 0.0 | 900 | 0.0 | 950 | 0.0 | 1100 | 0.0 | 1401 | 0.0 | 1459 | 0.0 | 1600 | 0.0 | NA | NA | NA | NA |
| SAM-2 | 738 | 0.0 | 826 | 0.0 | 913 | 0.0 | 958 | 0.0 | 1110 | 0.0 | 1416 | 0.0 | 1510 | 0.0 | 1610 | 0.0 | NA | NA | NA | NA |
| SAM-3 | 732 | 0.0 | 821 | 0.0 | 908 | 0.0 | 955 | 0.0 | 1107 | 0.0 | 1410 | 0.0 | 1506 | 0.0 | 1607 | 0.0 | NA | NA | NA | NA |
| SAM-4 | 729 | 0.0 | 818 | 0.0 | 905 | 0.0 | 953 | 0.0 | 1104 | 0.0 | 1405 | 0.0 | 1502 | 0.0 | 1604 | 0.0 | NA | NA | NA | NA |
| IMPL-A | 729 | 0.0 | 827 | 0.0 | 914 | 0.0 | 1000 | 0.0 | 1112 | 0.0 | 1417 | 0.0 | 1511 | 0.0 | 1611 | 0.0 | NA | NA | NA | NA |
| IMPL-B | 730 | 0.0 | 828 | 0.0 | 915 | 0.0 | 1001 | 0.0 | 1113 | 0.0 | 1418 | 0.0 | 1512 | 0.0 | 1612 | 0.0 | NA | NA | NA | NA |
| IMPL-C | 731 | 0.0 | 829 | 0.0 | 916 | 0.0 | 1002 | 0.0 | 1114 | 0.0 | 1419 | 0.0 | 1513 | 0.0 | 1613 | 0.0 | NA | NA | NA | NA |
| IMPL-D | 732 | 0.0 | 830 | 0.0 | 917 | 0.0 | 1003 | 0.0 | 1115 | 0.0 | 1420 | 0.0 | 1514 | 0.0 | 1614 | 0.0 | NA | NA | NA | NA |
| IMPL-E | 733 | 0.0 | 831 | 0.0 | 918 | 0.0 | 1004 | 0.0 | 1116 | 0.0 | 1421 | 0.0 | 1515 | 0.0 | 1615 | 0.0 | NA | NA | NA | NA |
| IMPL-F | 734 | 0.0 | 832 | 0.0 | 919 | 0.0 | 1005 | 0.0 | 1117 | 0.0 | 1422 | 0.0 | 1516 | 0.0 | 1616 | 0.0 | NA | NA | NA | NA |
| IMPL-G | 735 | 0.0 | 833 | 0.0 | 920 | 0.0 | 1006 | 0.0 | 1118 | 0.0 | 1423 | 0.0 | 1517 | 0.0 | 1617 | 0.0 | NA | NA | NA | NA |
| IMPL-H | 736 | 0.0 | 834 | 0.0 | 921 | 0.0 | 1007 | 0.0 | 1120 | 0.0 | 1424 | 0.0 | 1518 | 0.0 | 1618 | 0.0 | NA | NA | NA | NA |
| IMPL-I | 738 | 0.0 | 836 | 0.0 | 922 | 0.0 | 1009 | 0.0 | 1121 | 0.0 | 1425 | 0.0 | 1520 | 0.0 | 1619 | 0.0 | NA | NA | NA | NA |
| IMPL-J | 739 | 0.0 | 837 | 0.0 | 923 | 0.0 | 1010 | 0.0 | 1122 | 0.0 | 1426 | 0.0 | 1521 | 0.0 | 1620 | 0.0 | NA | NA | NA | NA |
| IMPL-K | 740 | 0.0 | 838 | 0.0 | 924 | 0.0 | 1011 | 0.0 | 1123 | 0.0 | 1427 | 0.0 | 1522 | 0.0 | 1621 | 0.0 | NA | NA | NA | NA |
| IMPL-L | 741 | 0.0 | 839 | 0.0 | 925 | 0.0 | 1012 | 0.0 | 1124 | 0.0 | 1428 | 0.0 | 1523 | 0.0 | 1622 | 0.0 | NA | NA | NA | NA |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.

1/6/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 800 | 0.0 | 850 | 0.0 | 1000 | 0.0 | 1058 | 0.0 | 1203 | 0.0 | 1300 | 0.0 | 1500 | 0.0 | NA | NA | NA | NA | NA | NA |
| SAM-2 | 811 | 0.0 | 900 | 0.0 | 1010 | 0.0 | 1109 | 0.0 | 1215 | 0.0 | 1312 | 0.0 | 1511 | 0.0 | NA | NA | NA | NA | NA | NA |
| SAM-3 | 808 | 0.0 | 857 | 0.0 | 1007 | 0.0 | 1104 | 0.0 | 1210 | 0.0 | 1307 | 0.0 | 1508 | 0.0 | NA | NA | NA | NA | NA | NA |
| SAM-4 | 804 | 0.0 | 854 | 0.0 | 1004 | 0.0 | 1100 | 0.0 | 1206 | 0.0 | 1304 | 0.0 | 1503 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-A | 812 | 0.0 | 901 | 0.0 | 1011 | 0.0 | 1110 | 0.0 | 1216 | 0.0 | 1313 | 0.0 | 1512 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-B | 813 | 0.0 | 902 | 0.0 | 1012 | 0.0 | 1111 | 0.0 | 1217 | 0.0 | 1314 | 0.0 | 1513 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-C | 814 | 0.0 | 903 | 0.0 | 1013 | 0.0 | 1112 | 0.0 | 1218 | 0.0 | 1315 | 0.0 | 1514 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-D | 815 | 0.0 | 904 | 0.0 | 1014 | 0.0 | 1113 | 0.0 | 1219 | 0.0 | 1316 | 0.0 | 1515 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-E | 816 | 0.0 | 905 | 0.0 | 1015 | 0.0 | 1114 | 0.0 | 1220 | 0.0 | 1317 | 0.0 | 1516 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-F | 817 | 0.0 | 906 | 0.0 | 1016 | 0.0 | 1115 | 0.0 | 1221 | 0.0 | 1318 | 0.0 | 1517 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-G | 818 | 0.0 | 907 | 0.0 | 1017 | 0.0 | 1116 | 0.0 | 1222 | 0.0 | 1319 | 0.0 | 1518 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-H | 820 | 0.0 | 908 | 0.0 | 1018 | 0.0 | 1117 | 0.0 | 1223 | 0.0 | 1320 | 0.0 | 1519 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-I | 821 | 0.0 | 910 | 0.0 | 1019 | 0.0 | 1118 | 0.0 | 1224 | 0.0 | 1321 | 0.0 | 1520 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-J | 822 | 0.0 | 911 | 0.0 | 1020 | 0.0 | 1119 | 0.0 | 1225 | 0.0 | 1322 | 0.0 | 1521 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-K | 823 | 0.0 | 912 | 0.0 | 1021 | 0.0 | 1120 | 0.0 | 1226 | 0.0 | 1323 | 0.0 | 1522 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-L | 824 | 0.0 | 913 | 0.0 | 1022 | 0.0 | 1121 | 0.0 | 1227 | 0.0 | 1324 | 0.0 | 1523 | 0.0 | NA | NA | NA | NA | NA | NA |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.

1/10/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 730 | 0.0 | 830 | 0.0 | 1030 | 0.0 | 1130 | 0.0 | 1230 | 0.0 | 1330 | 0.0 | 1500 | 0.0 | 1600 | 0.0 | NA | NA | NA | NA |
| SAM-2 | 740 | 0.0 | 839 | 0.0 | 1039 | 0.0 | 1145 | 0.0 | 1239 | 0.0 | 1339 | 0.0 | 1512 | 0.0 | 1611 | 0.0 | NA | NA | NA | NA |
| SAM-3 | 736 | 0.0 | 835 | 0.0 | 1036 | 0.0 | 1139 | 0.0 | 1236 | 0.0 | 1336 | 0.0 | 1507 | 0.0 | 1607 | 0.0 | NA | NA | NA | NA |
| SAM-4 | 734 | 0.0 | 833 | 0.0 | 1034 | 0.0 | 1134 | 0.0 | 1234 | 0.0 | 1334 | 0.0 | 1504 | 0.0 | 1603 | 0.0 | NA | NA | NA | NA |
| IMPL-A | 741 | 0.0 | 840 | 0.0 | 1040 | 0.0 | 1146 | 0.0 | 1240 | 0.0 | 1340 | 0.0 | 1513 | 0.0 | 1612 | 0.0 | NA | NA | NA | NA |
| IMPL-B | 742 | 0.0 | 841 | 0.0 | 1041 | 0.0 | 1147 | 0.0 | 1241 | 0.0 | 1341 | 0.0 | 1514 | 0.0 | 1613 | 0.0 | NA | NA | NA | NA |
| IMPL-C | 743 | 0.0 | 842 | 0.0 | 1042 | 0.0 | 1148 | 0.0 | 1243 | 0.0 | 1342 | 0.0 | 1515 | 0.0 | 1615 | 0.0 | NA | NA | NA | NA |
| IMPL-D | 744 | 0.0 | 843 | 0.0 | 1043 | 0.0 | 1149 | 0.0 | 1244 | 0.0 | 1343 | 0.0 | 1516 | 0.0 | 1616 | 0.0 | NA | NA | NA | NA |
| IMPL-E | 745 | 0.0 | 844 | 0.0 | 1044 | 0.0 | 1150 | 0.0 | 1245 | 0.0 | 1344 | 0.0 | 1518 | 0.0 | 1617 | 0.0 | NA | NA | NA | NA |
| IMPL-F | 746 | 0.0 | 845 | 0.0 | 1045 | 0.0 | 1151 | 0.0 | 1246 | 0.0 | 1345 | 0.0 | 1519 | 0.0 | 1618 | 0.0 | NA | NA | NA | NA |
| IMPL-G | 748 | 0.0 | 856 | 0.0 | 1046 | 0.0 | 1152 | 0.0 | 1247 | 0.0 | 1346 | 0.0 | 1520 | 0.0 | 1619 | 0.0 | NA | NA | NA | NA |
| IMPL-H | 749 | 0.0 | 857 | 0.0 | 1047 | 0.0 | 1153 | 0.0 | 1248 | 0.0 | 1347 | 0.0 | 1521 | 0.0 | 1620 | 0.0 | NA | NA | NA | NA |
| IMPL-I | 750 | 0.0 | 857 | 0.0 | 1048 | 0.0 | 1154 | 0.0 | 1249 | 0.0 | 1348 | 0.0 | 1522 | 0.0 | 1621 | 0.0 | NA | NA | NA | NA |
| IMPL-J | 752 | 0.0 | 858 | 0.0 | 1049 | 0.0 | 1155 | 0.0 | 1250 | 0.0 | 1349 | 0.0 | 1523 | 0.0 | 1622 | 0.0 | NA | NA | NA | NA |
| IMPL-K | 753 | 0.0 | 859 | 0.0 | 1050 | 0.0 | 1156 | 0.0 | 1251 | 0.0 | 1351 | 0.0 | 1525 | 0.0 | 1623 | 0.0 | NA | NA | NA | NA |
| IMPL-L | 754 | 0.0 | 900 | 0.0 | 1052 | 0.0 | 1157 | 0.0 | 1252 | 0.0 | 1352 | 0.0 | 1526 | 0.0 | 1624 | 0.0 | NA | NA | NA | NA |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.

1/11/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 730 | 0.0 | 830 | 0.0 | 931 | 0.0 | 1030 | 0.0 | 1129 | 0.0 | 1230 | 0.0 | 1330 | 0.0 | 1500 | 0.0 | 1600 | 0.0 | NA | NA |
| SAM-2 | 743 | 0.0 | 839 | 0.0 | 940 | 0.0 | 1042 | 0.0 | 1138 | 0.0 | 1241 | 0.0 | 1340 | 0.0 | 1509 | 0.0 | 1611 | 0.0 | NA | NA |
| SAM-3 | 739 | 0.0 | 835 | 0.0 | 936 | 0.0 | 1036 | 0.0 | 1134 | 0.0 | 1236 | 0.0 | 1335 | 0.0 | 1505 | 0.0 | 1606 | 0.0 | NA | NA |
| SAM-4 | 736 | 0.0 | 832 | 0.0 | 934 | 0.0 | 1033 | 0.0 | 1131 | 0.0 | 1233 | 0.0 | 1333 | 0.0 | 1502 | 0.0 | 1603 | 0.0 | NA | NA |
| IMPL-A | 744 | 0.0 | 840 | 0.0 | 941 | 0.0 | 1043 | 0.0 | 1139 | 0.0 | 1242 | 0.0 | 1341 | 0.0 | 1510 | 0.0 | 1612 | 0.0 | NA | NA |
| IMPL-B | 745 | 0.0 | 841 | 0.0 | 942 | 0.0 | 1044 | 0.0 | 1140 | 0.0 | 1243 | 0.0 | 1342 | 0.0 | 1511 | 0.0 | 1613 | 0.0 | NA | NA |
| IMPL-C | 746 | 0.0 | 842 | 0.0 | 943 | 0.0 | 1045 | 0.0 | 1141 | 0.0 | 1244 | 0.0 | 1343 | 0.0 | 1512 | 0.0 | 1614 | 0.0 | NA | NA |
| IMPL-D | 747 | 0.0 | 843 | 0.0 | 944 | 0.0 | 1046 | 0.0 | 1142 | 0.0 | 1245 | 0.0 | 1344 | 0.0 | 1513 | 0.0 | 1615 | 0.0 | NA | NA |
| IMPL-E | 748 | 0.0 | 844 | 0.0 | 945 | 0.0 | 1047 | 0.0 | 1143 | 0.0 | 1246 | 0.0 | 1345 | 0.0 | 1514 | 0.0 | 1616 | 0.0 | NA | NA |
| IMPL-F | 749 | 0.0 | 845 | 0.0 | 946 | 0.0 | 1048 | 0.0 | 1144 | 0.0 | 1247 | 0.0 | 1346 | 0.0 | 1515 | 0.0 | 1617 | 0.0 | NA | NA |
| IMPL-G | 750 | 0.0 | 846 | 0.0 | 947 | 0.0 | 1049 | 0.0 | 1145 | 0.0 | 1248 | 0.0 | 1347 | 0.0 | 1516 | 0.0 | 1618 | 0.0 | NA | NA |
| IMPL-H | 751 | 0.0 | 847 | 0.0 | 948 | 0.0 | 1051 | 0.0 | 1146 | 0.0 | 1249 | 0.0 | 1348 | 0.0 | 1517 | 0.0 | 1619 | 0.0 | NA | NA |
| IMPL-I | 752 | 0.0 | 848 | 0.0 | 949 | 0.0 | 1052 | 0.0 | 1147 | 0.0 | 1250 | 0.0 | 1349 | 0.0 | 1518 | 0.0 | 1620 | 0.0 | NA | NA |
| IMPL-J | 753 | 0.0 | 849 | 0.0 | 951 | 0.0 | 1053 | 0.0 | 1148 | 0.0 | 1251 | 0.0 | 1350 | 0.0 | 1519 | 0.0 | 1622 | 0.0 | NA | NA |
| IMPL-K | 754 | 0.0 | 850 | 0.0 | 952 | 0.0 | 1054 | 0.0 | 1149 | 0.0 | 1252 | 0.0 | 1351 | 0.0 | 1520 | 0.0 | 1623 | 0.0 | NA | NA |
| IMPL-L | 755 | 0.0 | 851 | 0.0 | 953 | 0.0 | 1055 | 0.0 | 1150 | 0.0 | 1254 | 0.0 | 1352 | 0.0 | 1521 | 0.0 | 1624 | 0.0 | NA | NA |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.

1/12/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 0720 | 0.0 | NA | NA | 0900 | 0.0 | 1000 | 0.0 | 1130 | 0.0 | 1235 | 0.0 | 1330 | 0.0 | NA | NA | NA | NA | 1600 | 0.0 |
| SAM-2 | 0729 | 0.0 | NA | NA | 0912 | 0.0 | 1009 | 0.0 | 1141 | 0.0 | 1245 | 0.0 | 1341 | 0.0 | NA | NA | NA | NA | 1610 | 0.0 |
| SAM-3 | 0725 | 0.0 | NA | NA | 0907 | 0.0 | 1005 | 0.0 | 1137 | 0.0 | 1241 | 0.0 | 1337 | 0.0 | NA | NA | NA | NA | 1607 | 0.0 |
| SAM-4 | 0723 | 0.0 | NA | NA | 0904 | 0.0 | 1002 | 0.0 | 1134 | 0.0 | 1238 | 0.0 | 1333 | 0.0 | NA | NA | NA | NA | 1603 | 0.0 |
| IMPL-A | 0730 | 0.0 | NA | NA | 0913 | 0.0 | 1010 | 0.0 | 1142 | 0.0 | 1246 | 0.0 | 1342 | 0.0 | NA | NA | NA | NA | 1611 | 0.0 |
| IMPL-B | 0731 | 0.0 | NA | NA | 0914 | 0.0 | 1011 | 0.0 | 1143 | 0.0 | 1247 | 0.0 | 1343 | 0.0 | NA | NA | NA | NA | 1612 | 0.0 |
| IMPL-C | 0731 | 0.0 | NA | NA | 0915 | 0.0 | 1012 | 0.0 | 1144 | 0.0 | 1248 | 0.0 | 1344 | 0.0 | NA | NA | NA | NA | 1613 | 0.0 |
| IMPL-D | 0733 | 0.0 | NA | NA | 0916 | 0.0 | 1013 | 0.0 | 1145 | 0.0 | 1249 | 0.0 | 1345 | 0.0 | NA | NA | NA | NA | 1614 | 0.0 |
| IMPL-E | 0734 | 0.0 | NA | NA | 0917 | 0.0 | 1014 | 0.0 | 1146 | 0.0 | 1250 | 0.0 | 1346 | 0.0 | NA | NA | NA | NA | 1615 | 0.0 |
| IMPL-F | 0735 | 0.0 | NA | NA | 0918 | 0.0 | 1015 | 0.0 | 1147 | 0.0 | 1251 | 0.0 | 1347 | 0.0 | NA | NA | NA | NA | 1616 | 0.0 |
| IMPL-G | 0736 | 0.0 | NA | NA | 0919 | 0.0 | 1016 | 0.0 | 1148 | 0.0 | 1252 | 0.0 | 1348 | 0.0 | NA | NA | NA | NA | 1617 | 0.0 |
| IMPL-H | 0737 | 0.0 | NA | NA | 0920 | 0.0 | 1017 | 0.0 | 1149 | 0.0 | 1254 | 0.0 | 1349 | 0.0 | NA | NA | NA | NA | 1618 | 0.0 |
| IMPL-I | 0738 | 0.0 | NA | NA | 0921 | 0.0 | 1018 | 0.0 | 1150 | 0.0 | 1255 | 0.0 | 1350 | 0.0 | NA | NA | NA | NA | 1619 | 0.0 |
| IMPL-J | 0739 | 0.0 | NA | NA | 0922 | 0.0 | 1019 | 0.0 | 1151 | 0.0 | 1256 | 0.0 | 1352 | 0.0 | NA | NA | NA | NA | 1620 | 0.0 |
| IMPL-K | 0740 | 0.0 | NA | NA | 0923 | 0.0 | 1020 | 0.0 | 1152 | 0.0 | 1257 | 0.0 | 1353 | 0.0 | NA | NA | NA | NA | 1621 | 0.0 |
| IMPL-L | 0741 | 0.0 | NA | NA | 0924 | 0.0 | 1021 | 0.0 | 1153 | 0.0 | 1258 | 0.0 | 1354 | 0.0 | NA | NA | NA | NA | 1622 | 0.0 |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.

1/13/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 0730 | 0.0 | 0830 | 0.0 | 0930 | 0.0 | 1030 | 0.0 | 1130 | 0.0 | 1230 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| SAM-2 | 0742 | 0.0 | 0842 | 0.0 | 0939 | 0.0 | 1041 | 0.0 | 1141 | 0.0 | 1242 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| SAM-3 | 0735 | 0.0 | 0836 | 0.0 | 0936 | 0.0 | 1036 | 0.0 | 1137 | 0.0 | 1237 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| SAM-4 | 0733 | 0.0 | 0833 | 0.0 | 0934 | 0.0 | 1033 | 0.0 | 1133 | 0.0 | 1234 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-A | 0743 | 0.0 | 0843 | 0.0 | 0940 | 0.0 | 1042 | 0.0 | 1142 | 0.0 | 1243 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-B | 0744 | 0.0 | 0844 | 0.0 | 0941 | 0.0 | 1043 | 0.0 | 1143 | 0.0 | 1244 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-C | 0745 | 0.0 | 0845 | 0.0 | 0942 | 0.0 | 1044 | 0.0 | 1144 | 0.0 | 1245 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-D | 0746 | 0.0 | 0846 | 0.0 | 0943 | 0.0 | 1045 | 0.0 | 1145 | 0.0 | 1246 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-E | 0747 | 0.0 | 0847 | 0.0 | 0944 | 0.0 | 1046 | 0.0 | 1146 | 0.0 | 1247 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-F | 0748 | 0.0 | 0848 | 0.0 | 0945 | 0.0 | 1047 | 0.0 | 1147 | 0.0 | 1248 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-G | 0749 | 0.0 | 0849 | 0.0 | 0946 | 0.0 | 1048 | 0.0 | 1148 | 0.0 | 1249 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-H | 0750 | 0.0 | 0850 | 0.0 | 0947 | 0.0 | 1049 | 0.0 | 1149 | 0.0 | 1251 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-I | 0751 | 0.0 | 0851 | 0.0 | 0948 | 0.0 | 1050 | 0.0 | 1150 | 0.0 | 1252 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-J | 0752 | 0.0 | 0852 | 0.0 | 0949 | 0.0 | 1051 | 0.0 | 1151 | 0.0 | 1253 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-K | 0753 | 0.0 | 0853 | 0.0 | 0950 | 0.0 | 1052 | 0.0 | 1152 | 0.0 | 1254 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-L | 0754 | 0.0 | 0854 | 0.0 | 0951 | 0.0 | 1053 | 0.0 | 1153 | 0.0 | 1255 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Remediation stopped at 1:00 PM CST.

1/14/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 0730 | 0.0 | 0827 | 0.0 | 0931 | 0.0 | 1030 | 0.0 | 1130 | 0.0 | 1230 | 0.0 | 1330 | 0.0 | 1430 | 0.0 | NA | NA | NA | NA |
| SAM-2 | 0740 | 0.0 | 0837 | 0.0 | 0942 | 0.0 | 1039 | 0.0 | 1139 | 0.0 | 1238 | 0.0 | 1339 | 0.0 | 1443 | 0.0 | NA | NA | NA | NA |
| SAM-3 | 0736 | 0.0 | 0834 | 0.0 | 0939 | 0.0 | 1036 | 0.0 | 1135 | 0.0 | 1235 | 0.0 | 1335 | 0.0 | 1438 | 0.0 | NA | NA | NA | NA |
| SAM-4 | 0734 | 0.0 | 0830 | 0.0 | 0934 | 0.0 | 1033 | 0.0 | 1132 | 0.0 | 1233 | 0.0 | 1333 | 0.0 | 1434 | 0.0 | NA | NA | NA | NA |
| IMPL-A | 0741 | 0.0 | 0838 | 0.0 | 0943 | 0.0 | 1040 | 0.0 | 1140 | 0.0 | 1239 | 0.0 | 1340 | 0.0 | 1444 | 0.0 | NA | NA | NA | NA |
| IMPL-B | 0742 | 0.0 | 0839 | 0.0 | 0944 | 0.0 | 1041 | 0.0 | 1141 | 0.0 | 1240 | 0.0 | 1341 | 0.0 | 1445 | 0.0 | NA | NA | NA | NA |
| IMPL-C | 0743 | 0.0 | 0840 | 0.0 | 0945 | 0.0 | 1042 | 0.0 | 1142 | 0.0 | 1241 | 0.0 | 1342 | 0.0 | 1446 | 0.0 | NA | NA | NA | NA |
| IMPL-D | 0744 | 0.0 | 0841 | 0.0 | 0946 | 0.0 | 1043 | 0.0 | 1143 | 0.0 | 1242 | 0.0 | 1343 | 0.0 | 1447 | 0.0 | NA | NA | NA | NA |
| IMPL-E | 0745 | 0.0 | 0842 | 0.0 | 0947 | 0.0 | 1044 | 0.0 | 1144 | 0.0 | 1243 | 0.0 | 1344 | 0.0 | 1448 | 0.0 | NA | NA | NA | NA |
| IMPL-F | 0746 | 0.0 | 0843 | 0.0 | 0948 | 0.0 | 1045 | 0.0 | 1145 | 0.0 | 1244 | 0.0 | 1345 | 0.0 | 1449 | 0.0 | NA | NA | NA | NA |
| IMPL-G | 0747 | 0.0 | 0844 | 0.0 | 0949 | 0.0 | 1046 | 0.0 | 1146 | 0.0 | 1245 | 0.0 | 1346 | 0.0 | 1450 | 0.0 | NA | NA | NA | NA |
| IMPL-H | 0748 | 0.0 | 0845 | 0.0 | 0950 | 0.0 | 1047 | 0.0 | 1147 | 0.0 | 1246 | 0.0 | 1347 | 0.0 | 1451 | 0.0 | NA | NA | NA | NA |
| IMPL-I | 0749 | 0.0 | 0846 | 0.0 | 0951 | 0.0 | 1048 | 0.0 | 1148 | 0.0 | 1247 | 0.0 | 1348 | 0.0 | 1452 | 0.0 | NA | NA | NA | NA |
| IMPL-J | 0750 | 0.0 | 0847 | 0.0 | 0952 | 0.0 | 1049 | 0.0 | 1149 | 0.0 | 1248 | 0.0 | 1349 | 0.0 | 1453 | 0.0 | NA | NA | NA | NA |
| IMPL-K | 0751 | 0.0 | 0848 | 0.0 | 0953 | 0.0 | 1050 | 0.0 | 1150 | 0.0 | 1249 | 0.0 | 1350 | 0.0 | 1454 | 0.0 | NA | NA | NA | NA |
| IMPL-L | 0752 | 0.0 | 0849 | 0.0 | 0954 | 0.0 | 1051 | 0.0 | 1151 | 0.0 | 1250 | 0.0 | 1351 | 0.0 | 1455 | 0.0 | NA | NA | NA | NA |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Remediation stopped at 3:00 PM CST.

1/17/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | NA | NA | NA | NA | 912 | 0.0 | 1012 | 0.0 | 1112 | 0.0 | 1212 | 0.0 | 1312 | 0.0 | 1412 | 0.0 | 1512 | 0.0 | 1612 | 0.0 |
| SAM-2 | NA | NA | NA | NA | 902 | 0.0 | 1002 | 0.0 | 1102 | 0.0 | 1202 | 0.0 | 1302 | 0.0 | 1402 | 0.0 | 1502 | 0.0 | 1602 | 0.0 |
| SAM-3 | NA | NA | NA | NA | 924 | 0.0 | 1024 | 0.0 | 1124 | 0.0 | 1224 | 0.0 | 1324 | 0.0 | 1424 | 0.0 | 1524 | 0.0 | 1624 | 0.0 |
| SAM-4 | NA | NA | NA | NA | 917 | 0.0 | 1017 | 0.0 | 1117 | 0.0 | 1217 | 0.0 | 1317 | 0.0 | 1417 | 0.0 | 1517 | 0.0 | 1617 | 0.0 |
| IMPL-A | NA | NA | NA | NA | 900 | 0.0 | 1000 | 0.0 | 1100 | 0.0 | 1200 | 0.0 | 1300 | 0.0 | 1400 | 0.0 | 1500 | 0.0 | 1600 | 0.0 |
| IMPL-B | NA | NA | NA | NA | 904 | 0.0 | 1004 | 0.0 | 1104 | 0.0 | 1204 | 0.0 | 1304 | 0.0 | 1404 | 0.0 | 1504 | 0.0 | 1604 | 0.0 |
| IMPL-C | NA | NA | NA | NA | 908 | 0.0 | 1008 | 0.0 | 1108 | 0.0 | 1208 | 0.0 | 1308 | 0.0 | 1408 | 0.0 | 1508 | 0.0 | 1608 | 0.0 |
| IMPL-D | NA | NA | NA | NA | 910 | 0.0 | 1010 | 0.0 | 1110 | 0.0 | 1210 | 0.0 | 1310 | 0.0 | 1410 | 0.0 | 1510 | 0.0 | 1610 | 0.0 |
| IMPL-E | NA | NA | NA | NA | 914 | 0.0 | 1014 | 0.0 | 1114 | 0.0 | 1214 | 0.0 | 1314 | 0.0 | 1414 | 0.0 | 1514 | 0.0 | 1614 | 0.0 |
| IMPL-F | NA | NA | NA | NA | 916 | 0.0 | 1016 | 0.0 | 1116 | 0.0 | 1216 | 0.0 | 1316 | 0.0 | 1416 | 0.0 | 1516 | 0.0 | 1616 | 0.0 |
| IMPL-G | NA | NA | NA | NA | 918 | 0.0 | 1018 | 0.0 | 1118 | 0.0 | 1218 | 0.0 | 1318 | 0.0 | 1418 | 0.0 | 1518 | 0.0 | 1618 | 0.0 |
| IMPL-H | NA | NA | NA | NA | 919 | 0.0 | 1019 | 0.0 | 1119 | 0.0 | 1219 | 0.0 | 1319 | 0.0 | 1419 | 0.0 | 1519 | 0.0 | 1619 | 0.0 |
| IMPL-I | NA | NA | NA | NA | 920 | 0.0 | 1020 | 0.0 | 1120 | 0.0 | 1220 | 0.0 | 1320 | 0.0 | 1420 | 0.0 | 1520 | 0.0 | 1620 | 0.0 |
| IMPL-J | NA | NA | NA | NA | 922 | 0.0 | 1022 | 0.0 | 1122 | 0.0 | 1222 | 0.0 | 1322 | 0.0 | 1422 | 0.0 | 1522 | 0.0 | 1622 | 0.0 |
| IMPL-K | NA | NA | NA | NA | 925 | 0.0 | 1025 | 0.0 | 1125 | 0.0 | 1225 | 0.0 | 1325 | 0.0 | 1425 | 0.0 | 1525 | 0.0 | 1625 | 0.0 |
| IMPL-L | NA | NA | NA | NA | 926 | 0.0 | 1026 | 0.0 | 1126 | 0.0 | 1226 | 0.0 | 1326 | 0.0 | 1426 | 0.0 | 1526 | 0.0 | 1626 | 0.0 |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.

1/18/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | NA | NA | 812 | 0.0 | 912 | 0.0 | 1015 | 0.0 | 1112 | 0.0 | 1212 | 0.0 | 1312 | 0.0 | 1412 | 0.0 | 1512 | 0.0 | 1612 | 0.0 |
| SAM-2 | NA | NA | 802 | 0.0 | 902 | 0.0 | 1005 | 0.0 | 1102 | 0.0 | 1202 | 0.0 | 1302 | 0.0 | 1402 | 0.0 | 1502 | 0.0 | 1602 | 0.0 |
| SAM-3 | NA | NA | 824 | 0.0 | 924 | 0.0 | 1027 | 0.0 | 1124 | 0.0 | 1224 | 0.0 | 1324 | 0.0 | 1424 | 0.0 | 1524 | 0.0 | 1624 | 0.0 |
| SAM-4 | NA | NA | 817 | 0.0 | 917 | 0.0 | 1020 | 0.0 | 1117 | 0.0 | 1217 | 0.0 | 1317 | 0.0 | 1417 | 0.0 | 1517 | 0.0 | 1617 | 0.0 |
| IMPL-A | NA | NA | 800 | 0.0 | 900 | 0.0 | 1003 | 0.0 | 1100 | 0.0 | 1200 | 0.0 | 1300 | 0.0 | 1400 | 0.0 | 1500 | 0.0 | 1600 | 0.0 |
| IMPL-B | NA | NA | 804 | 0.0 | 904 | 0.0 | 1007 | 0.0 | 1104 | 0.0 | 1204 | 0.0 | 1304 | 0.0 | 1404 | 0.0 | 1504 | 0.0 | 1604 | 0.0 |
| IMPL-C | NA | NA | 808 | 0.0 | 908 | 0.0 | 1011 | 0.0 | 1108 | 0.0 | 1208 | 0.0 | 1308 | 0.0 | 1408 | 0.0 | 1508 | 0.0 | 1608 | 0.0 |
| IMPL-D | NA | NA | 810 | 0.0 | 910 | 0.0 | 1013 | 0.0 | 1110 | 0.0 | 1210 | 0.0 | 1310 | 0.0 | 1410 | 0.0 | 1510 | 0.0 | 1610 | 0.0 |
| IMPL-E | NA | NA | 814 | 0.0 | 914 | 0.0 | 1017 | 0.0 | 1114 | 0.0 | 1214 | 0.0 | 1314 | 0.0 | 1414 | 0.0 | 1514 | 0.0 | 1614 | 0.0 |
| IMPL-F | NA | NA | 816 | 0.0 | 916 | 0.0 | 1019 | 0.0 | 1116 | 0.0 | 1216 | 0.0 | 1316 | 0.0 | 1416 | 0.0 | 1516 | 0.0 | 1616 | 0.0 |
| IMPL-G | NA | NA | 818 | 0.0 | 918 | 0.0 | 1021 | 0.0 | 1118 | 0.0 | 1218 | 0.0 | 1318 | 0.0 | 1418 | 0.0 | 1518 | 0.0 | 1618 | 0.0 |
| IMPL-H | NA | NA | 819 | 0.0 | 919 | 0.0 | 1022 | 0.0 | 1119 | 0.0 | 1219 | 0.0 | 1319 | 0.0 | 1419 | 0.0 | 1519 | 0.0 | 1619 | 0.0 |
| IMPL-I | NA | NA | 820 | 0.0 | 920 | 0.0 | 1023 | 0.0 | 1120 | 0.0 | 1220 | 0.0 | 1320 | 0.0 | 1420 | 0.0 | 1520 | 0.0 | 1620 | 0.0 |
| IMPL-J | NA | NA | 822 | 0.0 | 922 | 0.0 | 1025 | 0.0 | 1122 | 0.0 | 1222 | 0.0 | 1322 | 0.0 | 1422 | 0.0 | 1522 | 0.0 | 1622 | 0.0 |
| IMPL-K | NA | NA | 825 | 0.0 | 925 | 0.0 | 1028 | 0.0 | 1125 | 0.0 | 1225 | 0.0 | 1325 | 0.0 | 1425 | 0.0 | 1525 | 0.0 | 1625 | 0.0 |
| IMPL-L | NA | NA | 826 | 0.0 | 926 | 0.0 | 1029 | 0.0 | 1126 | 0.0 | 1226 | 0.0 | 1326 | 0.0 | 1426 | 0.0 | 1526 | 0.0 | 1626 | 0.0 |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.

1/19/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | NA | NA | 810 | 0.0 | 908 | 0.0 | 1007 | 0.0 | 1107 | 0.0 | 1227 | 0.0 | 1307 | 0.0 | 1407 | 0.0 | 1507 | 0.0 | 1607 | 0.0 |
| SAM-2 | NA | NA | 800 | 0.0 | 903 | 0.0 | 1002 | 0.0 | 1101 | 0.0 | 1221 | 0.0 | 1301 | 0.0 | 1401 | 0.0 | 1501 | 0.0 | 1601 | 0.0 |
| SAM-3 | NA | NA | 830 | 0.0 | 919 | 0.0 | 1019 | 0.0 | 1118 | 0.0 | 1238 | 0.0 | 1318 | 0.0 | 1416 | 0.0 | 1518 | 0.0 | 1616 | 0.0 |
| SAM-4 | NA | NA | 821 | 0.0 | 913 | 0.0 | 1012 | 0.0 | 1111 | 0.0 | 1231 | 0.0 | 1311 | 0.0 | 1411 | 0.0 | 1511 | 0.0 | 1611 | 0.0 |
| IMPL-A | NA | NA | 755 | 0.0 | 902 | 0.0 | 1000 | 0.0 | 1100 | 0.0 | 1220 | 0.0 | 1300 | 0.0 | 1400 | 0.0 | 1500 | 0.0 | 1600 | 0.0 |
| IMPL-B | NA | NA | 802 | 0.0 | 904 | 0.0 | 1003 | 0.0 | 1103 | 0.0 | 1223 | 0.0 | 1303 | 0.0 | 1403 | 0.0 | 1503 | 0.0 | 1603 | 0.0 |
| IMPL-C | NA | NA | 806 | 0.0 | 905 | 0.0 | 1004 | 0.0 | 1104 | 0.0 | 1224 | 0.0 | 1304 | 0.0 | 1404 | 0.0 | 1504 | 0.0 | 1604 | 0.0 |
| IMPL-D | NA | NA | 808 | 0.0 | 907 | 0.0 | 1005 | 0.0 | 1105 | 0.0 | 1225 | 0.0 | 1305 | 0.0 | 1405 | 0.0 | 1505 | 0.0 | 1605 | 0.0 |
| IMPL-E | NA | NA | 817 | 0.0 | 910 | 0.0 | 1009 | 0.0 | 1109 | 0.0 | 1229 | 0.0 | 1309 | 0.0 | 1409 | 0.0 | 1509 | 0.0 | 1609 | 0.0 |
| IMPL-F | NA | NA | 819 | 0.0 | 912 | 0.0 | 1011 | 0.0 | 1110 | 0.0 | 1230 | 0.0 | 1310 | 0.0 | 1410 | 0.0 | 1510 | 0.0 | 1610 | 0.0 |
| IMPL-G | NA | NA | 822 | 0.0 | 914 | 0.0 | 1013 | 0.0 | 1112 | 0.0 | 1232 | 0.0 | 1312 | 0.0 | 1412 | 0.0 | 1512 | 0.0 | 1612 | 0.0 |
| IMPL-H | NA | NA | 823 | 0.0 | 915 | 0.0 | 1014 | 0.0 | 1113 | 0.0 | 1233 | 0.0 | 1313 | 0.0 | 1413 | 0.0 | 1513 | 0.0 | 1613 | 0.0 |
| IMPL-I | NA | NA | 824 | 0.0 | 916 | 0.0 | 1015 | 0.0 | 1114 | 0.0 | 1234 | 0.0 | 1314 | 0.0 | 1414 | 0.0 | 1514 | 0.0 | 1614 | 0.0 |
| IMPL-J | NA | NA | 826 | 0.0 | 918 | 0.0 | 1017 | 0.0 | 1116 | 0.0 | 1236 | 0.0 | 1316 | 0.0 | 1415 | 0.0 | 1516 | 0.0 | 1615 | 0.0 |
| IMPL-K | NA | NA | 836 | 0.0 | 920 | 0.0 | 1020 | 0.0 | 1119 | 0.0 | 1239 | 0.0 | 1319 | 0.0 | 1417 | 0.0 | 1519 | 0.0 | 1617 | 0.0 |
| IMPL-L | NA | NA | 838 | 0.0 | 921 | 0.0 | 1021 | 0.0 | 1120 | 0.0 | 1240 | 0.0 | 1320 | 0.0 | 1418 | 0.0 | 1520 | 0.0 | 1618 | 0.0 |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
No measurements taken for "Reading 1" due to dark conditions.

1/20/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 741 | 0.0 | 833 | 0.0 | 906 | 0.0 | 1007 | 0.0 | 1110 | 0.0 | 1207 | 0.0 | 1307 | 0.0 | 1405 | 0.0 | NA | NA | NA | NA |
| SAM-2 | 731 | 0.0 | 829 | 0.0 | 901 | 0.0 | 1002 | 0.0 | 1102 | 0.0 | 1202 | 0.0 | 1302 | 0.0 | 1401 | 0.0 | NA | NA | NA | NA |
| SAM-3 | 748 | 0.0 | 840 | 0.0 | 915 | 0.0 | 1019 | 0.0 | 1126 | 0.0 | 1217 | 0.0 | 1317 | 0.0 | 1413 | 0.0 | NA | NA | NA | NA |
| SAM-4 | 744 | 0.0 | 836 | 0.0 | 909 | 0.0 | 1012 | 0.0 | 1116 | 0.0 | 1210 | 0.0 | 1310 | 0.0 | 1408 | 0.0 | NA | NA | NA | NA |
| IMPL-A | 730 | 0.0 | 828 | 0.0 | 900 | 0.0 | 1000 | 0.0 | 1100 | 0.0 | 1200 | 0.0 | 1300 | 0.0 | 1400 | 0.0 | NA | NA | NA | NA |
| IMPL-B | 733 | 0.0 | 830 | 0.0 | 902 | 0.0 | 1003 | 0.0 | 1104 | 0.0 | 1203 | 0.0 | 1303 | 0.0 | 1402 | 0.0 | NA | NA | NA | NA |
| IMPL-C | 737 | 0.0 | 831 | 0.0 | 903 | 0.0 | 1004 | 0.0 | 1106 | 0.0 | 1204 | 0.0 | 1304 | 0.0 | 1403 | 0.0 | NA | NA | NA | NA |
| IMPL-D | 739 | 0.0 | 832 | 0.0 | 905 | 0.0 | 1005 | 0.0 | 1108 | 0.0 | 1205 | 0.0 | 1305 | 0.0 | 1404 | 0.0 | NA | NA | NA | NA |
| IMPL-E | 740 | 0.0 | 833 | 0.0 | 906 | 0.0 | 1009 | 0.0 | 1112 | 0.0 | 1208 | 0.0 | 1308 | 0.0 | 1406 | 0.0 | NA | NA | NA | NA |
| IMPL-F | 742 | 0.0 | 835 | 0.0 | 908 | 0.0 | 1011 | 0.0 | 1114 | 0.0 | 1209 | 0.0 | 1309 | 0.0 | 1407 | 0.0 | NA | NA | NA | NA |
| IMPL-G | 745 | 0.0 | 837 | 0.0 | 911 | 0.0 | 1013 | 0.0 | 1118 | 0.0 | 1211 | 0.0 | 1311 | 0.0 | 1409 | 0.0 | NA | NA | NA | NA |
| IMPL-H | 746 | 0.0 | 838 | 0.0 | 913 | 0.0 | 1014 | 0.0 | 1120 | 0.0 | 1212 | 0.0 | 1312 | 0.0 | 1410 | 0.0 | NA | NA | NA | NA |
| IMPL-I | 747 | 0.0 | 839 | 0.0 | 914 | 0.0 | 1015 | 0.0 | 1122 | 0.0 | 1213 | 0.0 | 1313 | 0.0 | 1411 | 0.0 | NA | NA | NA | NA |
| IMPL-J | 749 | 0.0 | 841 | 0.0 | 916 | 0.0 | 1017 | 0.0 | 1124 | 0.0 | 1215 | 0.0 | 1315 | 0.0 | 1412 | 0.0 | NA | NA | NA | NA |
| IMPL-K | 749 | 0.0 | 841 | 0.0 | 916 | 0.0 | 1020 | 0.0 | 1128 | 0.0 | 1218 | 0.0 | 1318 | 0.0 | 1414 | 0.0 | NA | NA | NA | NA |
| IMPL-L | 750 | 0.0 | 842 | 0.0 | 917 | 0.0 | 1021 | 0.0 | 1130 | 0.0 | 1219 | 0.0 | 1320 | 0.0 | 1415 | 0.0 | NA | NA | NA | NA |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.

1/21/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | NA | NA | 805 | 0 | 906 | 0 | 1005 | 0 | 1110 | 0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SAM-2 | NA | NA | 801 | 0 | 901 | 0 | 1001 | 0 | 1102 | 0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SAM-3 | NA | NA | 812 | 0 | 915 | 0 | 1013 | 0 | 1126 | 0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SAM-4 | NA | NA | 808 | 0 | 909 | 0 | 1008 | 0 | 1116 | 0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-A | NA | NA | 800 | 0 | 900 | 0 | 1000 | 0 | 1100 | 0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-B | NA | NA | 802 | 0 | 902 | 0 | 1002 | 0 | 1104 | 0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-C | NA | NA | 803 | 0 | 903 | 0 | 1003 | 0 | 1106 | 0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-D | NA | NA | 804 | 0 | 905 | 0 | 1004 | 0 | 1108 | 0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-E | NA | NA | 805 | 0 | 906 | 0 | 1006 | 0 | 1112 | 0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-F | NA | NA | 807 | 0 | 908 | 0 | 1007 | 0 | 1114 | 0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-G | NA | NA | 809 | 0 | 911 | 0 | 1009 | 0 | 1118 | 0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-H | NA | NA | 810 | 0 | 913 | 0 | 1010 | 0 | 1120 | 0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-I | NA | NA | 811 | 0 | 914 | 0 | 1011 | 0 | 1122 | 0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-J | NA | NA | 813 | 0 | 916 | 0 | 1012 | 0 | 1124 | 0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-K | NA | NA | 813 | 0 | 916 | 0 | 1014 | 0 | 1128 | 0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-L | NA | NA | 814 | 0 | 917 | 0 | 1015 | 0 | 1130 | 0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
No measurements taken for "Reading 1" due to dark conditions.
Excavation stopped at 12:00 PM.

1/24/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | NA | NA | 814 | 0.0 | 906 | 0.0 | 1007 | 0.0 | 1109 | 0.0 | 1209 | 0.0 | 1345 | 0.0 | 1410 | 0.0 | 1509 | 0.0 | 1609 | 0.0 |
| SAM-2 | NA | NA | 804 | 0.0 | 901 | 0.0 | 1002 | 0.0 | 1102 | 0.0 | 1202 | 0.0 | 1341 | 0.0 | 1402 | 0.0 | 1502 | 0.0 | 1602 | 0.0 |
| SAM-3 | NA | NA | 832 | 0.0 | 917 | 0.0 | 1018 | 0.0 | 1119 | 0.0 | 1219 | 0.0 | 1353 | 0.0 | 1427 | 0.0 | 1519 | 0.0 | 1619 | 0.0 |
| SAM-4 | NA | NA | 822 | 0.0 | 910 | 0.0 | 1012 | 0.0 | 1113 | 0.0 | 1213 | 0.0 | 1348 | 0.0 | 1418 | 0.0 | 1513 | 0.0 | 1613 | 0.0 |
| IMPL-A | NA | NA | 800 | 0.0 | 900 | 0.0 | 1000 | 0.0 | 1100 | 0.0 | 1200 | 0.0 | 1340 | 0.0 | 1400 | 0.0 | 1500 | 0.0 | 1600 | 0.0 |
| IMPL-B | NA | NA | 806 | 0.0 | 902 | 0.0 | 1003 | 0.0 | 1104 | 0.0 | 1204 | 0.0 | 1342 | 0.0 | 1404 | 0.0 | 1504 | 0.0 | 1604 | 0.0 |
| IMPL-C | NA | NA | 808 | 0.0 | 903 | 0.0 | 1004 | 0.0 | 1106 | 0.0 | 1206 | 0.0 | 1343 | 0.0 | 1406 | 0.0 | 1506 | 0.0 | 1606 | 0.0 |
| IMPL-D | NA | NA | 810 | 0.0 | 905 | 0.0 | 1005 | 0.0 | 1107 | 0.0 | 1207 | 0.0 | 1344 | 0.0 | 1408 | 0.0 | 1507 | 0.0 | 1607 | 0.0 |
| IMPL-E | NA | NA | 814 | 0.0 | 907 | 0.0 | 1008 | 0.0 | 1110 | 0.0 | 1210 | 0.0 | 1346 | 0.0 | 1413 | 0.0 | 1510 | 0.0 | 1610 | 0.0 |
| IMPL-F | NA | NA | 818 | 0.0 | 909 | 0.0 | 1010 | 0.0 | 1111 | 0.0 | 1211 | 0.0 | 1347 | 0.0 | 1416 | 0.0 | 1511 | 0.0 | 1611 | 0.0 |
| IMPL-G | NA | NA | 824 | 0.0 | 912 | 0.0 | 1013 | 0.0 | 1114 | 0.0 | 1214 | 0.0 | 1349 | 0.0 | 1421 | 0.0 | 1514 | 0.0 | 1614 | 0.0 |
| IMPL-H | NA | NA | 826 | 0.0 | 914 | 0.0 | 1014 | 0.0 | 1115 | 0.0 | 1215 | 0.0 | 1350 | 0.0 | 1422 | 0.0 | 1515 | 0.0 | 1615 | 0.0 |
| IMPL-I | NA | NA | 828 | 0.0 | 916 | 0.0 | 1015 | 0.0 | 1116 | 0.0 | 1216 | 0.0 | 1351 | 0.0 | 1424 | 0.0 | 1516 | 0.0 | 1616 | 0.0 |
| IMPL-J | NA | NA | 830 | 0.0 | 918 | 0.0 | 1016 | 0.0 | 1117 | 0.0 | 1217 | 0.0 | 1352 | 0.0 | 1425 | 0.0 | 1517 | 0.0 | 1617 | 0.0 |
| IMPL-K | NA | NA | 836 | 0.0 | 918 | 0.0 | 1019 | 0.0 | 1120 | 0.0 | 1220 | 0.0 | 1354 | 0.0 | 1428 | 0.0 | 1520 | 0.0 | 1620 | 0.0 |
| IMPL-L | NA | NA | 838 | 0.0 | 919 | 0.0 | 1020 | 0.0 | 1121 | 0.0 | 1221 | 0.0 | 1355 | 0.0 | 1429 | 0.0 | 1521 | 0.0 | 1621 | 0.0 |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
No measurements taken for "Reading 1" due to dark conditions.

1/25/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | NA | NA | 814 | 0.0 | 912 | 0.0 | 1007 | 0.0 | 1109 | 0.0 | 1209 | 0.0 | 1306 | 0.0 | 1406 | 0.0 | 1506 | 0.0 | NA | NA |
| SAM-2 | NA | NA | 804 | 0.0 | 904 | 0.0 | 1002 | 0.0 | 1102 | 0.0 | 1202 | 0.0 | 1302 | 0.0 | 1402 | 0.0 | 1502 | 0.0 | NA | NA |
| SAM-3 | NA | NA | 823 | 0.0 | 925 | 0.0 | 1018 | 0.0 | 1119 | 0.0 | 1219 | 0.0 | 1318 | 0.0 | 1418 | 0.0 | 1518 | 0.0 | NA | NA |
| SAM-4 | NA | NA | 819 | 0.0 | 916 | 0.0 | 1012 | 0.0 | 1113 | 0.0 | 1213 | 0.0 | 1312 | 0.0 | 1412 | 0.0 | 1512 | 0.0 | NA | NA |
| IMPL-A | NA | NA | 800 | 0.0 | 901 | 0.0 | 1000 | 0.0 | 1100 | 0.0 | 1200 | 0.0 | 1300 | 0.0 | 1400 | 0.0 | 1500 | 0.0 | NA | NA |
| IMPL-B | NA | NA | 806 | 0.0 | 906 | 0.0 | 1003 | 0.0 | 1104 | 0.0 | 1204 | 0.0 | 1303 | 0.0 | 1403 | 0.0 | 1503 | 0.0 | NA | NA |
| IMPL-C | NA | NA | 808 | 0.0 | 907 | 0.0 | 1004 | 0.0 | 1106 | 0.0 | 1206 | 0.0 | 1304 | 0.0 | 1404 | 0.0 | 1504 | 0.0 | NA | NA |
| IMPL-D | NA | NA | 810 | 0.0 | 909 | 0.0 | 1005 | 0.0 | 1107 | 0.0 | 1207 | 0.0 | 1305 | 0.0 | 1405 | 0.0 | 1505 | 0.0 | NA | NA |
| IMPL-E | NA | NA | 814 | 0.0 | 911 | 0.0 | 1008 | 0.0 | 1110 | 0.0 | 1210 | 0.0 | 1309 | 0.0 | 1409 | 0.0 | 1509 | 0.0 | NA | NA |
| IMPL-F | NA | NA | 818 | 0.0 | 913 | 0.0 | 1010 | 0.0 | 1111 | 0.0 | 1211 | 0.0 | 1310 | 0.0 | 1410 | 0.0 | 1510 | 0.0 | NA | NA |
| IMPL-G | NA | NA | 820 | 0.0 | 918 | 0.0 | 1013 | 0.0 | 1114 | 0.0 | 1214 | 0.0 | 1313 | 0.0 | 1413 | 0.0 | 1513 | 0.0 | NA | NA |
| IMPL-H | NA | NA | 821 | 0.0 | 920 | 0.0 | 1014 | 0.0 | 1115 | 0.0 | 1215 | 0.0 | 1314 | 0.0 | 1414 | 0.0 | 1514 | 0.0 | NA | NA |
| IMPL-I | NA | NA | 822 | 0.0 | 922 | 0.0 | 1015 | 0.0 | 1116 | 0.0 | 1216 | 0.0 | 1315 | 0.0 | 1415 | 0.0 | 1515 | 0.0 | NA | NA |
| IMPL-J | NA | NA | 823 | 0.0 | 924 | 0.0 | 1016 | 0.0 | 1117 | 0.0 | 1217 | 0.0 | 1316 | 0.0 | 1416 | 0.0 | 1516 | 0.0 | NA | NA |
| IMPL-K | NA | NA | 824 | 0.0 | 926 | 0.0 | 1019 | 0.0 | 1120 | 0.0 | 1220 | 0.0 | 1319 | 0.0 | 1419 | 0.0 | 1519 | 0.0 | NA | NA |
| IMPL-L | NA | NA | 826 | 0.0 | 927 | 0.0 | 1020 | 0.0 | 1121 | 0.0 | 1221 | 0.0 | 1320 | 0.0 | 1420 | 0.0 | 1520 | 0.0 | NA | NA |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
No measurements taken for "Reading 1" due to dark conditions.
Excavation ended at 4:00PM.

1/26/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | | NA | 810 | 0.0 | 935 | 0.0 | 1007 | 0.0 | 1113 | 0.0 | 1212 | 0.0 | 1312 | 0.0 | 1442 | 0.0 | 1512 | 0.0 | | NA |
| SAM-2 | | NA | 800 | 0.0 | 928 | 0.0 | 1002 | 0.0 | 1107 | 0.0 | 1202 | 0.0 | 1302 | 0.0 | 1432 | 0.0 | 1502 | 0.0 | | NA |
| SAM-3 | | NA | 830 | 0.0 | 948 | 0.0 | 1019 | 0.0 | 1125 | 0.0 | 1224 | 0.0 | 1324 | 0.0 | 1454 | 0.0 | 1524 | 0.0 | | NA |
| SAM-4 | | NA | 821 | 0.0 | 941 | 0.0 | 1012 | 0.0 | 1118 | 0.0 | 1217 | 0.0 | 1317 | 0.0 | 1447 | 0.0 | 1517 | 0.0 | | NA |
| IMPL-A | | NA | 755 | 0.0 | 925 | 0.0 | 1000 | 0.0 | 1105 | 0.0 | 1200 | 0.0 | 1300 | 0.0 | 1430 | 0.0 | 1500 | 0.0 | | NA |
| IMPL-B | | NA | 802 | 0.0 | 929 | 0.0 | 1003 | 0.0 | 1109 | 0.0 | 1204 | 0.0 | 1304 | 0.0 | 1434 | 0.0 | 1504 | 0.0 | | NA |
| IMPL-C | | NA | 806 | 0.0 | 931 | 0.0 | 1004 | 0.0 | 1110 | 0.0 | 1208 | 0.0 | 1308 | 0.0 | 1438 | 0.0 | 1508 | 0.0 | | NA |
| IMPL-D | | NA | 808 | 0.0 | 933 | 0.0 | 1005 | 0.0 | 1111 | 0.0 | 1210 | 0.0 | 1310 | 0.0 | 1440 | 0.0 | 1510 | 0.0 | | NA |
| IMPL-E | | NA | 817 | 0.0 | 937 | 0.0 | 1009 | 0.0 | 1115 | 0.0 | 1214 | 0.0 | 1314 | 0.0 | 1444 | 0.0 | 1514 | 0.0 | | NA |
| IMPL-F | | NA | 819 | 0.0 | 939 | 0.0 | 1011 | 0.0 | 1116 | 0.0 | 1216 | 0.0 | 1316 | 0.0 | 1446 | 0.0 | 1516 | 0.0 | | NA |
| IMPL-G | | NA | 822 | 0.0 | 942 | 0.0 | 1013 | 0.0 | 1119 | 0.0 | 1218 | 0.0 | 1318 | 0.0 | 1448 | 0.0 | 1518 | 0.0 | | NA |
| IMPL-H | | NA | 823 | 0.0 | 943 | 0.0 | 1014 | 0.0 | 1120 | 0.0 | 1219 | 0.0 | 1319 | 0.0 | 1449 | 0.0 | 1519 | 0.0 | | NA |
| IMPL-I | | NA | 824 | 0.0 | 944 | 0.0 | 1015 | 0.0 | 1121 | 0.0 | 1220 | 0.0 | 1320 | 0.0 | 1450 | 0.0 | 1520 | 0.0 | | NA |
| IMPL-J | | NA | 826 | 0.0 | 946 | 0.0 | 1017 | 0.0 | 1123 | 0.0 | 1222 | 0.0 | 1322 | 0.0 | 1452 | 0.0 | 1522 | 0.0 | | NA |
| IMPL-K | | NA | 836 | 0.0 | 949 | 0.0 | 1020 | 0.0 | 1126 | 0.0 | 1225 | 0.0 | 1325 | 0.0 | 1455 | 0.0 | 1525 | 0.0 | | NA |
| IMPL-L | | NA | 838 | 0.0 | 950 | 0.0 | 1021 | 0.0 | 1127 | 0.0 | 1226 | 0.0 | 1326 | 0.0 | 1456 | 0.0 | 1526 | 0.0 | | NA |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
No measurements taken for "Reading 1" due to dark conditions.
Excavation stopped at 4:00 pm

1/27/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 737 | 0.0 | 827 | 0.0 | 910 | 0.0 | 1007 | 0.0 | 1107 | 0.0 | 1212 | 0.0 | 1312 | 0.0 | 1412 | 0.0 | 1512 | 0.0 | 1612 | 0.0 |
| SAM-2 | 732 | 0.0 | 822 | 0.0 | 903 | 0.0 | 1002 | 0.0 | 1102 | 0.0 | 1202 | 0.0 | 1302 | 0.0 | 1402 | 0.0 | 1502 | 0.0 | 1602 | 0.0 |
| SAM-3 | 749 | 0.0 | 839 | 0.0 | 923 | 0.0 | 1019 | 0.0 | 1119 | 0.0 | 1224 | 0.0 | 1324 | 0.0 | 1424 | 0.0 | 1524 | 0.0 | 1624 | 0.0 |
| SAM-4 | 742 | 0.0 | 832 | 0.0 | 916 | 0.0 | 1012 | 0.0 | 1112 | 0.0 | 1217 | 0.0 | 1317 | 0.0 | 1417 | 0.0 | 1517 | 0.0 | 1617 | 0.0 |
| IMPL-A | 730 | 0.0 | 820 | 0.0 | 900 | 0.0 | 1000 | 0.0 | 1100 | 0.0 | 1200 | 0.0 | 1300 | 0.0 | 1400 | 0.0 | 1500 | 0.0 | 1600 | 0.0 |
| IMPL-B | 733 | 0.0 | 823 | 0.0 | 904 | 0.0 | 1003 | 0.0 | 1103 | 0.0 | 1204 | 0.0 | 1304 | 0.0 | 1404 | 0.0 | 1504 | 0.0 | 1604 | 0.0 |
| IMPL-C | 734 | 0.0 | 824 | 0.0 | 906 | 0.0 | 1004 | 0.0 | 1104 | 0.0 | 1208 | 0.0 | 1308 | 0.0 | 1408 | 0.0 | 1508 | 0.0 | 1608 | 0.0 |
| IMPL-D | 735 | 0.0 | 825 | 0.0 | 908 | 0.0 | 1005 | 0.0 | 1105 | 0.0 | 1210 | 0.0 | 1310 | 0.0 | 1410 | 0.0 | 1510 | 0.0 | 1610 | 0.0 |
| IMPL-E | 739 | 0.0 | 829 | 0.0 | 912 | 0.0 | 1009 | 0.0 | 1109 | 0.0 | 1214 | 0.0 | 1314 | 0.0 | 1414 | 0.0 | 1514 | 0.0 | 1614 | 0.0 |
| IMPL-F | 741 | 0.0 | 831 | 0.0 | 914 | 0.0 | 1011 | 0.0 | 1111 | 0.0 | 1216 | 0.0 | 1316 | 0.0 | 1416 | 0.0 | 1516 | 0.0 | 1616 | 0.0 |
| IMPL-G | 743 | 0.0 | 833 | 0.0 | 917 | 0.0 | 1013 | 0.0 | 1113 | 0.0 | 1218 | 0.0 | 1318 | 0.0 | 1418 | 0.0 | 1518 | 0.0 | 1618 | 0.0 |
| IMPL-H | 744 | 0.0 | 834 | 0.0 | 918 | 0.0 | 1014 | 0.0 | 1114 | 0.0 | 1219 | 0.0 | 1319 | 0.0 | 1419 | 0.0 | 1519 | 0.0 | 1619 | 0.0 |
| IMPL-I | 745 | 0.0 | 835 | 0.0 | 919 | 0.0 | 1015 | 0.0 | 1115 | 0.0 | 1220 | 0.0 | 1320 | 0.0 | 1420 | 0.0 | 1520 | 0.0 | 1620 | 0.0 |
| IMPL-J | 747 | 0.0 | 837 | 0.0 | 921 | 0.0 | 1017 | 0.0 | 1117 | 0.0 | 1222 | 0.0 | 1322 | 0.0 | 1422 | 0.0 | 1522 | 0.0 | 1622 | 0.0 |
| IMPL-K | 750 | 0.0 | 840 | 0.0 | 924 | 0.0 | 1020 | 0.1 | 1120 | 0.1 | 1225 | 0.0 | 1325 | 0.0 | 1425 | 0.0 | 1525 | 0.0 | 1625 | 0.0 |
| IMPL-L | 751 | 0.0 | 841 | 0.0 | 925 | 0.0 | 1021 | 0.1 | 1121 | 0.1 | 1226 | 0.0 | 1326 | 0.0 | 1426 | 0.0 | 1526 | 0.0 | 1626 | 0.0 |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
No measurements taken for "Reading 1" due to dark conditions.

1/28/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 737 | 0 | 807 | 0 | 910 | 0 | 1007 | 0 | 1107 | 0 | 1212 | 0 | 1312 | 0 | 1412 | 0 | 1512 | 0 | 1612 | 0 |
| SAM-2 | 732 | 0 | 802 | 0 | 903 | 0 | 1002 | 0 | 1102 | 0 | 1202 | 0 | 1302 | 0 | 1402 | 0 | 1502 | 0 | 1602 | 0 |
| SAM-3 | 749 | 0 | 819 | 0 | 923 | 0 | 1019 | 0 | 1119 | 0 | 1224 | 0 | 1324 | 0 | 1424 | 0 | 1524 | 0 | 1624 | 0 |
| SAM-4 | 742 | 0 | 812 | 0 | 916 | 0 | 1012 | 0 | 1112 | 0 | 1217 | 0 | 1317 | 0 | 1417 | 0 | 1517 | 0 | 1617 | 0 |
| IMPL-A | 730 | 0 | 800 | 0 | 900 | 0 | 1000 | 0 | 1100 | 0 | 1200 | 0 | 1300 | 0 | 1400 | 0 | 1500 | 0 | 1600 | 0 |
| IMPL-B | 733 | 0 | 803 | 0 | 904 | 0 | 1003 | 0 | 1103 | 0 | 1204 | 0 | 1304 | 0 | 1404 | 0 | 1504 | 0 | 1604 | 0 |
| IMPL-C | 734 | 0 | 804 | 0 | 906 | 0 | 1004 | 0 | 1104 | 0 | 1208 | 0 | 1308 | 0 | 1408 | 0 | 1508 | 0 | 1608 | 0 |
| IMPL-D | 735 | 0 | 805 | 0 | 908 | 0 | 1005 | 0 | 1105 | 0 | 1210 | 0 | 1310 | 0 | 1410 | 0 | 1510 | 0 | 1610 | 0 |
| IMPL-E | 739 | 0 | 809 | 0 | 912 | 0 | 1009 | 0 | 1109 | 0 | 1214 | 0 | 1314 | 0 | 1414 | 0 | 1514 | 0 | 1614 | 0 |
| IMPL-F | 741 | 0 | 811 | 0 | 914 | 0 | 1011 | 0 | 1111 | 0 | 1216 | 0 | 1316 | 0 | 1416 | 0 | 1516 | 0 | 1616 | 0 |
| IMPL-G | 743 | 0 | 813 | 0 | 917 | 0 | 1013 | 0 | 1113 | 0 | 1218 | 0 | 1318 | 0 | 1418 | 0 | 1518 | 0 | 1618 | 0 |
| IMPL-H | 744 | 0 | 814 | 0 | 918 | 0 | 1014 | 0 | 1114 | 0 | 1219 | 0 | 1319 | 0 | 1419 | 0 | 1519 | 0 | 1619 | 0 |
| IMPL-I | 745 | 0 | 815 | 0 | 919 | 0 | 1015 | 0 | 1115 | 0 | 1220 | 0 | 1320 | 0 | 1420 | 0 | 1520 | 0 | 1620 | 0 |
| IMPL-J | 747 | 0 | 817 | 0 | 921 | 0 | 1017 | 0 | 1117 | 0 | 1222 | 0 | 1322 | 0 | 1422 | 0 | 1522 | 0 | 1622 | 0 |
| IMPL-K | 750 | 0 | 820 | 0 | 924 | 0 | 1020 | 0.1 | 1120 | 0 | 1225 | 0 | 1325 | 0 | 1425 | 0 | 1525 | 0 | 1625 | 0 |
| IMPL-L | 751 | 0 | 821 | 0 | 925 | 0 | 1021 | 0.1 | 1121 | 0 | 1226 | 0 | 1326 | 0 | 1426 | 0 | 1526 | 0 | 1626 | 0 |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.

1/31/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 737 | 0.0 | 813 | 0.0 | 911 | 0.0 | 1007 | 0.0 | 1107 | 0.0 | 1212 | 0.0 | 1312 | 0.0 | 1412 | 0.0 | 1512 | 0.0 | 1612 | 0.0 |
| SAM-2 | 732 | 0.0 | 805 | 0.0 | 903 | 0.0 | 1002 | 0.0 | 1102 | 0.0 | 1202 | 0.0 | 1302 | 0.0 | 1402 | 0.0 | 1502 | 0.0 | 1602 | 0.0 |
| SAM-3 | 749 | 0.0 | 830 | 0.0 | 926 | 0.0 | 1019 | 0.0 | 1119 | 0.0 | 1224 | 0.0 | 1324 | 0.0 | 1424 | 0.0 | 1524 | 0.0 | 1624 | 0.0 |
| SAM-4 | 742 | 0.0 | 820 | 0.0 | 918 | 0.0 | 1012 | 0.0 | 1112 | 0.0 | 1217 | 0.0 | 1317 | 0.0 | 1417 | 0.0 | 1517 | 0.0 | 1617 | 0.0 |
| IMPL-A | 730 | 0.0 | 800 | 0.0 | 900 | 0.0 | 1000 | 0.0 | 1100 | 0.0 | 1200 | 0.0 | 1300 | 0.0 | 1400 | 0.0 | 1500 | 0.0 | 1600 | 0.0 |
| IMPL-B | 733 | 0.0 | 806 | 0.0 | 904 | 0.0 | 1003 | 0.0 | 1103 | 0.0 | 1204 | 0.0 | 1304 | 0.0 | 1404 | 0.0 | 1504 | 0.0 | 1604 | 0.0 |
| IMPL-C | 734 | 0.0 | 807 | 0.0 | 906 | 0.0 | 1004 | 0.0 | 1104 | 0.0 | 1208 | 0.0 | 1308 | 0.0 | 1408 | 0.0 | 1508 | 0.0 | 1608 | 0.0 |
| IMPL-D | 735 | 0.0 | 808 | 0.0 | 908 | 0.0 | 1005 | 0.0 | 1105 | 0.0 | 1210 | 0.0 | 1310 | 0.0 | 1410 | 0.0 | 1510 | 0.0 | 1610 | 0.0 |
| IMPL-E | 739 | 0.0 | 815 | 0.0 | 913 | 0.0 | 1009 | 0.0 | 1109 | 0.0 | 1214 | 0.0 | 1314 | 0.0 | 1414 | 0.0 | 1514 | 0.0 | 1614 | 0.0 |
| IMPL-F | 741 | 0.0 | 817 | 0.0 | 915 | 0.0 | 1011 | 0.0 | 1111 | 0.0 | 1216 | 0.0 | 1316 | 0.0 | 1416 | 0.0 | 1516 | 0.0 | 1616 | 0.0 |
| IMPL-G | 743 | 0.0 | 821 | 0.0 | 919 | 0.0 | 1013 | 0.0 | 1113 | 0.0 | 1218 | 0.0 | 1318 | 0.0 | 1418 | 0.0 | 1518 | 0.0 | 1618 | 0.0 |
| IMPL-H | 744 | 0.0 | 822 | 0.0 | 920 | 0.0 | 1014 | 0.0 | 1114 | 0.0 | 1219 | 0.0 | 1319 | 0.0 | 1419 | 0.0 | 1519 | 0.0 | 1619 | 0.0 |
| IMPL-I | 745 | 0.0 | 823 | 0.0 | 921 | 0.0 | 1015 | 0.0 | 1115 | 0.0 | 1220 | 0.0 | 1320 | 0.0 | 1420 | 0.0 | 1520 | 0.0 | 1620 | 0.0 |
| IMPL-J | 747 | 0.0 | 825 | 0.0 | 923 | 0.0 | 1017 | 0.0 | 1117 | 0.0 | 1222 | 0.0 | 1322 | 0.0 | 1422 | 0.0 | 1522 | 0.0 | 1622 | 0.0 |
| IMPL-K | 750 | 0.0 | 831 | 0.0 | 927 | 0.0 | 1020 | 0.1 | 1120 | 0.0 | 1225 | 0.0 | 1325 | 0.0 | 1425 | 0.0 | 1525 | 0.0 | 1625 | 0.0 |
| IMPL-L | 751 | 0.0 | 832 | 0.0 | 928 | 0.0 | 1021 | 0.1 | 1121 | 0.0 | 1226 | 0.0 | 1326 | 0.0 | 1426 | 0.0 | 1526 | 0.0 | 1626 | 0.0 |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.

2/1/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 737 | 0.0 | 807 | 0.0 | 907 | 0.0 | 1007 | 0.0 | 1107 | 0.0 | 1208 | 0.0 | 1308 | 0.0 | 1409 | 0.0 | 1512 | 0.0 | 1612 | 0.0 |
| SAM-2 | 732 | 0.0 | 802 | 0.0 | 902 | 0.0 | 1002 | 0.0 | 1102 | 0.0 | 1202 | 0.0 | 1302 | 0.0 | 1402 | 0.0 | 1502 | 0.0 | 1602 | 0.0 |
| SAM-3 | 749 | 0.0 | 821 | 0.0 | 918 | 0.0 | 1019 | 0.0 | 1119 | 0.0 | 1220 | 0.0 | 1319 | 0.0 | 1418 | 0.0 | 1524 | 0.0 | 1624 | 0.0 |
| SAM-4 | 742 | 0.0 | 814 | 0.0 | 911 | 0.0 | 1012 | 0.0 | 1112 | 0.0 | 1213 | 0.0 | 1312 | 0.0 | 1412 | 0.0 | 1517 | 0.0 | 1617 | 0.0 |
| IMPL-A | 730 | 0.0 | 800 | 0.0 | 900 | 0.0 | 1000 | 0.0 | 1100 | 0.0 | 1200 | 0.0 | 1300 | 0.0 | 1400 | 0.0 | 1500 | 0.0 | 1600 | 0.0 |
| IMPL-B | 733 | 0.0 | 803 | 0.0 | 903 | 0.0 | 1003 | 0.0 | 1103 | 0.0 | 1203 | 0.0 | 1304 | 0.0 | 1404 | 0.0 | 1504 | 0.0 | 1604 | 0.0 |
| IMPL-C | 734 | 0.0 | 804 | 0.0 | 904 | 0.0 | 1004 | 0.0 | 1104 | 0.0 | 1204 | 0.0 | 1305 | 0.0 | 1406 | 0.0 | 1508 | 0.0 | 1608 | 0.0 |
| IMPL-D | 735 | 0.0 | 805 | 0.0 | 905 | 0.0 | 1005 | 0.0 | 1105 | 0.0 | 1206 | 0.0 | 1306 | 0.0 | 1407 | 0.0 | 1510 | 0.0 | 1610 | 0.0 |
| IMPL-E | 739 | 0.0 | 809 | 0.0 | 908 | 0.0 | 1009 | 0.0 | 1109 | 0.0 | 1210 | 0.0 | 1309 | 0.0 | 1410 | 0.0 | 1514 | 0.0 | 1614 | 0.0 |
| IMPL-F | 741 | 0.0 | 811 | 0.0 | 909 | 0.0 | 1011 | 0.0 | 1111 | 0.0 | 1212 | 0.0 | 1311 | 0.0 | 1411 | 0.0 | 1516 | 0.0 | 1616 | 0.0 |
| IMPL-G | 743 | 0.0 | 815 | 0.0 | 912 | 0.0 | 1013 | 0.0 | 1113 | 0.0 | 1214 | 0.0 | 1313 | 0.0 | 1413 | 0.0 | 1518 | 0.0 | 1618 | 0.0 |
| IMPL-H | 744 | 0.0 | 816 | 0.0 | 913 | 0.0 | 1014 | 0.0 | 1114 | 0.0 | 1215 | 0.0 | 1314 | 0.0 | 1414 | 0.0 | 1519 | 0.0 | 1619 | 0.0 |
| IMPL-I | 745 | 0.0 | 817 | 0.0 | 914 | 0.0 | 1015 | 0.0 | 1115 | 0.0 | 1216 | 0.0 | 1315 | 0.0 | 1415 | 0.0 | 1520 | 0.0 | 1620 | 0.0 |
| IMPL-J | 747 | 0.0 | 819 | 0.0 | 916 | 0.0 | 1017 | 0.0 | 1117 | 0.0 | 1218 | 0.0 | 1317 | 0.0 | 1416 | 0.0 | 1522 | 0.0 | 1622 | 0.0 |
| IMPL-K | 750 | 0.0 | 822 | 0.0 | 919 | 0.0 | 1020 | 0.0 | 1120 | 0.0 | 1221 | 0.0 | 1320 | 0.0 | 1419 | 0.0 | 1525 | 0.0 | 1625 | 0.0 |
| IMPL-L | 751 | 0.0 | 823 | 0.0 | 920 | 0.0 | 1021 | 0.0 | 1121 | 0.0 | 1222 | 0.0 | 1321 | 0.0 | 1420 | 0.0 | 1526 | 0.0 | 1626 | 0.0 |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.

2/2/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SAM-2 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SAM-3 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SAM-4 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-B | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-C | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-D | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-E | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-F | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-G | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-H | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-I | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-J | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-K | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-L | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm. No site activities due to inclimate weather.

2/3/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SAM-2 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SAM-3 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SAM-4 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-B | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-C | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-D | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-E | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-F | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-G | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-H | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-I | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-J | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-K | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-L | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm. No site activities due to inclimate weather.

2/4/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SAM-2 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SAM-3 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SAM-4 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-B | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-C | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-D | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-E | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-F | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-G | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-H | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-I | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-J | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-K | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-L | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm. No site activities due to inclimate weather.

2/5/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SAM-2 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SAM-3 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SAM-4 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-B | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-C | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-D | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-E | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-F | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-G | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-H | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-I | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-J | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-K | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-L | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm. No site activities due to inclimate weather.

2/7/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 737 | 0.0 | 807 | 0.0 | 907 | 0.0 | 1007 | 0.0 | 1107 | 0.0 | 1208 | 0.0 | 1308 | 0.0 | 1409 | 0.0 | 1512 | 0.0 | 1612 | 0.0 |
| SAM-2 | 732 | 0.0 | 802 | 0.0 | 902 | 0.0 | 1002 | 0.0 | 1102 | 0.0 | 1202 | 0.0 | 1302 | 0.0 | 1402 | 0.0 | 1502 | 0.0 | 1602 | 0.0 |
| SAM-3 | 749 | 0.0 | 821 | 0.0 | 918 | 0.0 | 1019 | 0.0 | 1119 | 0.0 | 1220 | 0.0 | 1319 | 0.0 | 1418 | 0.0 | 1524 | 0.0 | 1624 | 0.0 |
| SAM-4 | 742 | 0.0 | 814 | 0.0 | 911 | 0.0 | 1012 | 0.0 | 1112 | 0.0 | 1213 | 0.0 | 1312 | 0.0 | 1412 | 0.0 | 1517 | 0.0 | 1617 | 0.0 |
| IMPL-A | 730 | 0.0 | 800 | 0.0 | 900 | 0.0 | 1000 | 0.0 | 1100 | 0.0 | 1200 | 0.0 | 1300 | 0.0 | 1400 | 0.0 | 1500 | 0.0 | 1600 | 0.0 |
| IMPL-B | 733 | 0.0 | 803 | 0.0 | 903 | 0.0 | 1003 | 0.0 | 1103 | 0.0 | 1203 | 0.0 | 1304 | 0.0 | 1404 | 0.0 | 1504 | 0.0 | 1604 | 0.0 |
| IMPL-C | 734 | 0.0 | 804 | 0.0 | 904 | 0.0 | 1004 | 0.0 | 1104 | 0.0 | 1204 | 0.0 | 1305 | 0.0 | 1406 | 0.0 | 1508 | 0.0 | 1608 | 0.0 |
| IMPL-D | 735 | 0.0 | 805 | 0.0 | 905 | 0.0 | 1005 | 0.0 | 1105 | 0.0 | 1206 | 0.0 | 1306 | 0.0 | 1407 | 0.0 | 1510 | 0.0 | 1610 | 0.0 |
| IMPL-E | 739 | 0.0 | 809 | 0.0 | 908 | 0.0 | 1009 | 0.0 | 1109 | 0.0 | 1210 | 0.0 | 1309 | 0.0 | 1410 | 0.0 | 1514 | 0.0 | 1614 | 0.0 |
| IMPL-F | 741 | 0.0 | 811 | 0.0 | 909 | 0.0 | 1011 | 0.0 | 1111 | 0.0 | 1212 | 0.0 | 1311 | 0.0 | 1411 | 0.0 | 1516 | 0.0 | 1616 | 0.0 |
| IMPL-G | 743 | 0.0 | 815 | 0.0 | 912 | 0.0 | 1013 | 0.0 | 1113 | 0.0 | 1214 | 0.0 | 1313 | 0.0 | 1413 | 0.0 | 1518 | 0.0 | 1618 | 0.0 |
| IMPL-H | 744 | 0.0 | 816 | 0.0 | 913 | 0.0 | 1014 | 0.0 | 1114 | 0.0 | 1215 | 0.0 | 1314 | 0.0 | 1414 | 0.0 | 1519 | 0.0 | 1619 | 0.0 |
| IMPL-I | 745 | 0.0 | 817 | 0.0 | 914 | 0.0 | 1015 | 0.0 | 1115 | 0.0 | 1216 | 0.0 | 1315 | 0.0 | 1415 | 0.0 | 1520 | 0.0 | 1620 | 0.0 |
| IMPL-J | 747 | 0.0 | 819 | 0.0 | 916 | 0.0 | 1017 | 0.0 | 1117 | 0.0 | 1218 | 0.0 | 1317 | 0.0 | 1416 | 0.0 | 1522 | 0.0 | 1622 | 0.0 |
| IMPL-K | 750 | 0.0 | 822 | 0.0 | 919 | 0.0 | 1020 | 0.0 | 1120 | 0.0 | 1221 | 0.0 | 1320 | 0.0 | 1419 | 0.0 | 1525 | 0.0 | 1625 | 0.0 |
| IMPL-L | 751 | 0.0 | 823 | 0.0 | 920 | 0.0 | 1021 | 0.0 | 1121 | 0.0 | 1222 | 0.0 | 1321 | 0.0 | 1420 | 0.0 | 1526 | 0.0 | 1626 | 0.0 |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

2/8/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 737 | 0.0 | 807 | 0.0 | 907 | 0.0 | 1007 | 0.0 | 1107 | 0.0 | 1208 | 0.0 | 1308 | 0.0 | 1409 | 0.0 | 1512 | 0.0 | 1612 | 0.0 |
| SAM-2 | 732 | 0.0 | 802 | 0.0 | 902 | 0.0 | 1002 | 0.0 | 1102 | 0.0 | 1202 | 0.0 | 1302 | 0.0 | 1402 | 0.0 | 1502 | 0.0 | 1602 | 0.0 |
| SAM-3 | 749 | 0.0 | 821 | 0.0 | 918 | 0.0 | 1019 | 0.0 | 1119 | 0.0 | 1220 | 0.1 | 1319 | 0.0 | 1418 | 0.0 | 1524 | 0.0 | 1624 | 0.0 |
| SAM-4 | 742 | 0.0 | 814 | 0.0 | 911 | 0.0 | 1012 | 0.0 | 1112 | 0.0 | 1213 | 0.0 | 1312 | 0.0 | 1412 | 0.0 | 1517 | 0.0 | 1617 | 0.0 |
| IMPL-A | 730 | 0.0 | 800 | 0.0 | 900 | 0.0 | 1000 | 0.0 | 1100 | 0.0 | 1200 | 0.0 | 1300 | 0.0 | 1400 | 0.0 | 1500 | 0.0 | 1600 | 0.0 |
| IMPL-B | 733 | 0.0 | 803 | 0.0 | 903 | 0.0 | 1003 | 0.0 | 1103 | 0.0 | 1203 | 0.0 | 1304 | 0.0 | 1404 | 0.0 | 1504 | 0.0 | 1604 | 0.0 |
| IMPL-C | 734 | 0.0 | 804 | 0.0 | 904 | 0.0 | 1004 | 0.0 | 1104 | 0.0 | 1204 | 0.0 | 1305 | 0.0 | 1406 | 0.0 | 1508 | 0.0 | 1608 | 0.0 |
| IMPL-D | 735 | 0.0 | 805 | 0.0 | 905 | 0.0 | 1005 | 0.0 | 1105 | 0.0 | 1206 | 0.0 | 1306 | 0.0 | 1407 | 0.0 | 1510 | 0.0 | 1610 | 0.0 |
| IMPL-E | 739 | 0.0 | 809 | 0.0 | 908 | 0.0 | 1009 | 0.0 | 1109 | 0.0 | 1210 | 0.0 | 1309 | 0.0 | 1410 | 0.0 | 1514 | 0.0 | 1614 | 0.0 |
| IMPL-F | 741 | 0.0 | 811 | 0.0 | 909 | 0.0 | 1011 | 0.0 | 1111 | 0.0 | 1212 | 0.0 | 1311 | 0.0 | 1411 | 0.0 | 1516 | 0.0 | 1616 | 0.0 |
| IMPL-G | 743 | 0.0 | 815 | 0.0 | 912 | 0.0 | 1013 | 0.0 | 1113 | 0.0 | 1214 | 0.0 | 1313 | 0.0 | 1413 | 0.0 | 1518 | 0.0 | 1618 | 0.0 |
| IMPL-H | 744 | 0.0 | 816 | 0.0 | 913 | 0.0 | 1014 | 0.0 | 1114 | 0.0 | 1215 | 0.0 | 1314 | 0.0 | 1414 | 0.0 | 1519 | 0.0 | 1619 | 0.0 |
| IMPL-I | 745 | 0.0 | 817 | 0.0 | 914 | 0.0 | 1015 | 0.0 | 1115 | 0.0 | 1216 | 0.0 | 1315 | 0.0 | 1415 | 0.0 | 1520 | 0.0 | 1620 | 0.0 |
| IMPL-J | 747 | 0.0 | 819 | 0.0 | 916 | 0.0 | 1017 | 0.0 | 1117 | 0.0 | 1218 | 0.0 | 1317 | 0.0 | 1416 | 0.0 | 1522 | 0.0 | 1622 | 0.0 |
| IMPL-K | 750 | 0.0 | 822 | 0.0 | 919 | 0.0 | 1020 | 0.1 | 1120 | 0.1 | 1221 | 0.1 | 1320 | 0.0 | 1419 | 0.0 | 1525 | 0.0 | 1625 | 0.0 |
| IMPL-L | 751 | 0.0 | 823 | 0.0 | 920 | 0.0 | 1021 | 0.1 | 1121 | 0.1 | 1222 | 0.1 | 1321 | 0.1 | 1420 | 0.2 | 1526 | 0.2 | 1626 | 0.2 |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

2/9/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 737 | 0.0 | 807 | 0.0 | 907 | 0.0 | 1007 | 0.0 | 1107 | 0.0 | 1208 | 0.0 | 1308 | 0.0 | 1409 | 0.0 | 1512 | 0.0 | 1612 | 0.0 |
| SAM-2 | 732 | 0.0 | 802 | 0.0 | 902 | 0.0 | 1002 | 0.0 | 1102 | 0.0 | 1202 | 0.0 | 1302 | 0.0 | 1402 | 0.0 | 1502 | 0.0 | 1602 | 0.0 |
| SAM-3 | 749 | 0.0 | 821 | 0.0 | 918 | 0.0 | 1019 | 0.0 | 1119 | 0.0 | 1220 | 0.1 | 1319 | 0.0 | 1418 | 0.0 | 1524 | 0.0 | 1624 | 0.0 |
| SAM-4 | 742 | 0.0 | 814 | 0.0 | 911 | 0.0 | 1012 | 0.0 | 1112 | 0.0 | 1213 | 0.0 | 1312 | 0.0 | 1412 | 0.0 | 1517 | 0.0 | 1617 | 0.0 |
| IMPL-A | 730 | 0.0 | 800 | 0.0 | 900 | 0.1 | 1000 | 0.1 | 1100 | 0.0 | 1200 | 0.0 | 1300 | 0.0 | 1400 | 0.0 | 1500 | 0.0 | 1600 | 0.0 |
| IMPL-B | 733 | 0.0 | 803 | 0.0 | 903 | 0.0 | 1003 | 0.0 | 1103 | 0.0 | 1203 | 0.0 | 1304 | 0.0 | 1404 | 0.0 | 1504 | 0.0 | 1604 | 0.0 |
| IMPL-C | 734 | 0.0 | 804 | 0.0 | 904 | 0.0 | 1004 | 0.0 | 1104 | 0.0 | 1204 | 0.0 | 1305 | 0.0 | 1406 | 0.0 | 1508 | 0.0 | 1608 | 0.0 |
| IMPL-D | 735 | 0.0 | 805 | 0.0 | 905 | 0.0 | 1005 | 0.0 | 1105 | 0.0 | 1206 | 0.0 | 1306 | 0.0 | 1407 | 0.0 | 1510 | 0.0 | 1610 | 0.0 |
| IMPL-E | 739 | 0.0 | 809 | 0.0 | 908 | 0.0 | 1009 | 0.0 | 1109 | 0.0 | 1210 | 0.0 | 1309 | 0.0 | 1410 | 0.0 | 1514 | 0.0 | 1614 | 0.0 |
| IMPL-F | 741 | 0.0 | 811 | 0.0 | 909 | 0.0 | 1011 | 0.0 | 1111 | 0.0 | 1212 | 0.0 | 1311 | 0.0 | 1411 | 0.0 | 1516 | 0.0 | 1616 | 0.0 |
| IMPL-G | 743 | 0.0 | 815 | 0.0 | 912 | 0.0 | 1013 | 0.0 | 1113 | 0.0 | 1214 | 0.0 | 1313 | 0.0 | 1413 | 0.0 | 1518 | 0.0 | 1618 | 0.0 |
| IMPL-H | 744 | 0.0 | 816 | 0.0 | 913 | 0.0 | 1014 | 0.0 | 1114 | 0.0 | 1215 | 0.0 | 1314 | 0.0 | 1414 | 0.0 | 1519 | 0.0 | 1619 | 0.0 |
| IMPL-I | 745 | 0.0 | 817 | 0.0 | 914 | 0.0 | 1015 | 0.0 | 1115 | 0.0 | 1216 | 0.0 | 1315 | 0.0 | 1415 | 0.0 | 1520 | 0.0 | 1620 | 0.0 |
| IMPL-J | 747 | 0.0 | 819 | 0.0 | 916 | 0.0 | 1017 | 0.0 | 1117 | 0.0 | 1218 | 0.0 | 1317 | 0.0 | 1416 | 0.0 | 1522 | 0.0 | 1622 | 0.0 |
| IMPL-K | 750 | 0.0 | 822 | 0.0 | 919 | 0.0 | 1020 | 0.1 | 1120 | 0.1 | 1221 | 0.1 | 1320 | 0.0 | 1419 | 0.1 | 1525 | 0.0 | 1625 | 0.0 |
| IMPL-L | 751 | 0.0 | 823 | 0.0 | 920 | 0.0 | 1021 | 0.1 | 1121 | 0.1 | 1222 | 0.1 | 1321 | 0.1 | 1420 | 0.1 | 1526 | 0.1 | 1626 | 0.0 |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

2/10/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 737 | 0.0 | 807 | 0.0 | 907 | 0.0 | 1007 | 0.0 | 1107 | 0.0 | 1208 | 0.0 | 1308 | 0.0 | 1409 | 0.0 | 1512 | 0.0 | 1612 | 0.0 |
| SAM-2 | 732 | 0.0 | 802 | 0.0 | 902 | 0.0 | 1002 | 0.0 | 1102 | 0.0 | 1202 | 0.0 | 1302 | 0.0 | 1402 | 0.0 | 1502 | 0.0 | 1602 | 0.0 |
| SAM-3 | 749 | 0.0 | 821 | 0.0 | 918 | 0.0 | 1019 | 0.0 | 1119 | 0.0 | 1220 | 0.1 | 1319 | 0.0 | 1418 | 0.0 | 1524 | 0.0 | 1624 | 0.0 |
| SAM-4 | 742 | 0.0 | 814 | 0.0 | 911 | 0.0 | 1012 | 0.0 | 1112 | 0.0 | 1213 | 0.0 | 1312 | 0.0 | 1412 | 0.0 | 1517 | 0.0 | 1617 | 0.0 |
| IMPL-A | 730 | 0.0 | 800 | 0.0 | 900 | 0.1 | 1000 | 0.1 | 1100 | 0.0 | 1200 | 0.0 | 1300 | 0.0 | 1400 | 0.1 | 1500 | 0.0 | 1600 | 0.0 |
| IMPL-B | 733 | 0.0 | 803 | 0.0 | 903 | 0.1 | 1003 | 0.0 | 1103 | 0.1 | 1203 | 0.0 | 1304 | 0.0 | 1404 | 0.0 | 1504 | 0.0 | 1604 | 0.0 |
| IMPL-C | 734 | 0.0 | 804 | 0.0 | 904 | 0.1 | 1004 | 0.0 | 1104 | 0.1 | 1204 | 0.0 | 1305 | 0.0 | 1406 | 0.0 | 1508 | 0.0 | 1608 | 0.0 |
| IMPL-D | 735 | 0.0 | 805 | 0.0 | 905 | 0.1 | 1005 | 0.0 | 1105 | 0.1 | 1206 | 0.0 | 1306 | 0.0 | 1407 | 0.0 | 1510 | 0.0 | 1610 | 0.0 |
| IMPL-E | 739 | 0.0 | 809 | 0.0 | 908 | 0.1 | 1009 | 0.0 | 1109 | 0.0 | 1210 | 0.0 | 1309 | 0.0 | 1410 | 0.0 | 1514 | 0.0 | 1614 | 0.0 |
| IMPL-F | 741 | 0.0 | 811 | 0.0 | 909 | 0.0 | 1011 | 0.0 | 1111 | 0.0 | 1212 | 0.0 | 1311 | 0.0 | 1411 | 0.0 | 1516 | 0.0 | 1616 | 0.0 |
| IMPL-G | 743 | 0.0 | 815 | 0.0 | 912 | 0.0 | 1013 | 0.0 | 1113 | 0.0 | 1214 | 0.0 | 1313 | 0.0 | 1413 | 0.0 | 1518 | 0.0 | 1618 | 0.0 |
| IMPL-H | 744 | 0.0 | 816 | 0.0 | 913 | 0.0 | 1014 | 0.0 | 1114 | 0.0 | 1215 | 0.0 | 1314 | 0.0 | 1414 | 0.0 | 1519 | 0.0 | 1619 | 0.0 |
| IMPL-I | 745 | 0.0 | 817 | 0.0 | 914 | 0.0 | 1015 | 0.0 | 1115 | 0.0 | 1216 | 0.0 | 1315 | 0.0 | 1415 | 0.0 | 1520 | 0.0 | 1620 | 0.0 |
| IMPL-J | 747 | 0.0 | 819 | 0.0 | 916 | 0.0 | 1017 | 0.0 | 1117 | 0.0 | 1218 | 0.0 | 1317 | 0.0 | 1416 | 0.0 | 1522 | 0.0 | 1622 | 0.0 |
| IMPL-K | 750 | 0.0 | 822 | 0.0 | 919 | 0.0 | 1020 | 0.1 | 1120 | 0.0 | 1221 | 0.0 | 1320 | 0.0 | 1419 | 0.1 | 1525 | 0.0 | 1625 | 0.0 |
| IMPL-L | 751 | 0.0 | 823 | 0.0 | 920 | 0.1 | 1021 | 0.1 | 1121 | 0.0 | 1222 | 0.1 | 1321 | 0.1 | 1420 | 0.1 | 1526 | 0.1 | 1626 | 0.0 |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

2/11/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 737 | 0.0 | 807 | 0.0 | 942 | 0.0 | 1007 | 0.0 | 1107 | 0.1 | 1208 | 0.0 | 1308 | 0.0 | 1409 | 0.0 | 1512 | 0.0 | 1612 | 0.0 |
| SAM-2 | 732 | 0.0 | 802 | 0.0 | 937 | 0.0 | 1002 | 0.0 | 1102 | 0.1 | 1202 | 0.0 | 1302 | 0.0 | 1402 | 0.0 | 1502 | 0.0 | 1602 | 0.0 |
| SAM-3 | 749 | 0.0 | 821 | 0.0 | 953 | 0.0 | 1019 | 0.0 | 1119 | 0.0 | 1220 | 0.0 | 1319 | 0.0 | 1418 | 0.0 | 1524 | 0.0 | 1624 | 0.0 |
| SAM-4 | 742 | 0.0 | 814 | 0.0 | 946 | 0.0 | 1012 | 0.0 | 1112 | 0.1 | 1213 | 0.0 | 1312 | 0.0 | 1412 | 0.0 | 1517 | 0.0 | 1617 | 0.0 |
| IMPL-A | 730 | 0.0 | 800 | 0.0 | 935 | 0.0 | 1000 | 0.0 | 1100 | 0.1 | 1200 | 0.0 | 1300 | 0.1 | 1400 | 0.0 | 1500 | 0.0 | 1600 | 0.0 |
| IMPL-B | 733 | 0.0 | 803 | 0.0 | 938 | 0.0 | 1003 | 0.0 | 1103 | 0.1 | 1203 | 0.0 | 1304 | 0.0 | 1404 | 0.0 | 1504 | 0.0 | 1604 | 0.0 |
| IMPL-C | 734 | 0.0 | 804 | 0.0 | 939 | 0.0 | 1004 | 0.0 | 1104 | 0.1 | 1204 | 0.0 | 1305 | 0.0 | 1406 | 0.0 | 1508 | 0.0 | 1608 | 0.0 |
| IMPL-D | 735 | 0.0 | 805 | 0.0 | 940 | 0.0 | 1005 | 0.0 | 1105 | 0.1 | 1206 | 0.0 | 1306 | 0.0 | 1407 | 0.0 | 1510 | 0.0 | 1610 | 0.0 |
| IMPL-E | 739 | 0.0 | 809 | 0.0 | 943 | 0.0 | 1009 | 0.0 | 1109 | 0.1 | 1210 | 0.0 | 1309 | 0.0 | 1410 | 0.0 | 1514 | 0.0 | 1614 | 0.0 |
| IMPL-F | 741 | 0.0 | 811 | 0.0 | 944 | 0.0 | 1011 | 0.0 | 1111 | 0.1 | 1212 | 0.0 | 1311 | 0.0 | 1411 | 0.0 | 1516 | 0.0 | 1616 | 0.0 |
| IMPL-G | 743 | 0.0 | 815 | 0.0 | 947 | 0.0 | 1013 | 0.0 | 1113 | 0.1 | 1214 | 0.0 | 1313 | 0.0 | 1413 | 0.0 | 1518 | 0.0 | 1618 | 0.0 |
| IMPL-H | 744 | 0.0 | 816 | 0.0 | 948 | 0.0 | 1014 | 0.0 | 1114 | 0.1 | 1215 | 0.0 | 1314 | 0.0 | 1414 | 0.0 | 1519 | 0.0 | 1619 | 0.0 |
| IMPL-I | 745 | 0.0 | 817 | 0.0 | 949 | 0.0 | 1015 | 0.0 | 1115 | 0.1 | 1216 | 0.0 | 1315 | 0.0 | 1415 | 0.0 | 1520 | 0.0 | 1620 | 0.0 |
| IMPL-J | 747 | 0.0 | 819 | 0.0 | 951 | 0.0 | 1017 | 0.0 | 1117 | 0.1 | 1218 | 0.0 | 1317 | 0.0 | 1416 | 0.0 | 1522 | 0.0 | 1622 | 0.0 |
| IMPL-K | 750 | 0.0 | 822 | 0.0 | 954 | 0.0 | 1020 | 0.0 | 1120 | 0.1 | 1221 | 0.0 | 1320 | 0.0 | 1419 | 0.0 | 1525 | 0.0 | 1625 | 0.0 |
| IMPL-L | 751 | 0.0 | 823 | 0.0 | 955 | 0.0 | 1021 | 0.0 | 1121 | 0.1 | 1222 | 0.0 | 1321 | 0.1 | 1420 | 0.0 | 1526 | 0.0 | 1626 | 0.0 |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

2/14/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 737 | 0.0 | 807 | 0.0 | 942 | 0.0 | 1007 | 0.0 | 1107 | 0.1 | 1208 | 0.0 | 1308 | 0.0 | 1409 | 0.0 | 1512 | 0.0 | 1612 | 0.0 |
| SAM-2 | 732 | 0.0 | 802 | 0.0 | 937 | 0.0 | 1002 | 0.0 | 1102 | 0.1 | 1202 | 0.0 | 1302 | 0.0 | 1402 | 0.0 | 1502 | 0.0 | 1602 | 0.0 |
| SAM-3 | 749 | 0.0 | 821 | 0.0 | 953 | 0.0 | 1019 | 0.0 | 1119 | 0.0 | 1220 | 0.0 | 1319 | 0.0 | 1418 | 0.0 | 1524 | 0.0 | 1624 | 0.0 |
| SAM-4 | 742 | 0.0 | 814 | 0.0 | 946 | 0.0 | 1012 | 0.0 | 1112 | 0.1 | 1213 | 0.0 | 1312 | 0.0 | 1412 | 0.0 | 1517 | 0.0 | 1617 | 0.0 |
| IMPL-A | 730 | 0.0 | 800 | 0.0 | 935 | 0.0 | 1000 | 0.0 | 1100 | 0.1 | 1200 | 0.0 | 1300 | 0.1 | 1400 | 0.0 | 1500 | 0.0 | 1600 | 0.0 |
| IMPL-B | 733 | 0.0 | 803 | 0.0 | 938 | 0.0 | 1003 | 0.0 | 1103 | 0.1 | 1203 | 0.0 | 1304 | 0.0 | 1404 | 0.0 | 1504 | 0.0 | 1604 | 0.0 |
| IMPL-C | 734 | 0.0 | 804 | 0.0 | 939 | 0.0 | 1004 | 0.0 | 1104 | 0.1 | 1204 | 0.0 | 1305 | 0.0 | 1406 | 0.0 | 1508 | 0.0 | 1608 | 0.0 |
| IMPL-D | 735 | 0.0 | 805 | 0.0 | 940 | 0.0 | 1005 | 0.0 | 1105 | 0.1 | 1206 | 0.0 | 1306 | 0.0 | 1407 | 0.0 | 1510 | 0.0 | 1610 | 0.0 |
| IMPL-E | 739 | 0.0 | 809 | 0.0 | 943 | 0.0 | 1009 | 0.0 | 1109 | 0.1 | 1210 | 0.0 | 1309 | 0.0 | 1410 | 0.0 | 1514 | 0.0 | 1614 | 0.0 |
| IMPL-F | 741 | 0.0 | 811 | 0.0 | 944 | 0.0 | 1011 | 0.0 | 1111 | 0.1 | 1212 | 0.0 | 1311 | 0.0 | 1411 | 0.0 | 1516 | 0.0 | 1616 | 0.0 |
| IMPL-G | 743 | 0.0 | 815 | 0.0 | 947 | 0.0 | 1013 | 0.0 | 1113 | 0.1 | 1214 | 0.0 | 1313 | 0.0 | 1413 | 0.0 | 1518 | 0.0 | 1618 | 0.0 |
| IMPL-H | 744 | 0.0 | 816 | 0.0 | 948 | 0.0 | 1014 | 0.0 | 1114 | 0.1 | 1215 | 0.0 | 1314 | 0.0 | 1414 | 0.0 | 1519 | 0.0 | 1619 | 0.0 |
| IMPL-I | 745 | 0.0 | 817 | 0.0 | 949 | 0.0 | 1015 | 0.0 | 1115 | 0.1 | 1216 | 0.0 | 1315 | 0.0 | 1415 | 0.0 | 1520 | 0.0 | 1620 | 0.0 |
| IMPL-J | 747 | 0.0 | 819 | 0.0 | 951 | 0.0 | 1017 | 0.0 | 1117 | 0.1 | 1218 | 0.0 | 1317 | 0.0 | 1416 | 0.0 | 1522 | 0.0 | 1622 | 0.0 |
| IMPL-K | 750 | 0.0 | 822 | 0.0 | 954 | 0.0 | 1020 | 0.0 | 1120 | 0.1 | 1221 | 0.0 | 1320 | 0.0 | 1419 | 0.0 | 1525 | 0.0 | 1625 | 0.0 |
| IMPL-L | 751 | 0.0 | 823 | 0.0 | 955 | 0.0 | 1021 | 0.0 | 1121 | 0.1 | 1222 | 0.0 | 1321 | 0.1 | 1420 | 0.0 | 1526 | 0.0 | 1626 | 0.0 |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

2/15/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 737 | 0.0 | 807 | 0.0 | 942 | 0.0 | 1007 | 0.0 | 1107 | 0.0 | 1208 | 0.0 | 1308 | 0.0 | 1417 | 0.0 | 1542 | 0.0 | 1612 | 0.0 |
| SAM-2 | 732 | 0.0 | 802 | 0.0 | 937 | 0.0 | 1002 | 0.0 | 1102 | 0.0 | 1202 | 0.0 | 1302 | 0.0 | 1407 | 0.0 | 1532 | 0.0 | 1602 | 0.0 |
| SAM-3 | 749 | 0.0 | 821 | 0.0 | 953 | 0.0 | 1019 | 0.0 | 1119 | 0.0 | 1220 | 0.0 | 1319 | 0.0 | 1430 | 0.0 | 1554 | 0.0 | 1624 | 0.0 |
| SAM-4 | 742 | 0.0 | 814 | 0.0 | 946 | 0.0 | 1012 | 0.0 | 1112 | 0.0 | 1213 | 0.0 | 1312 | 0.0 | 1423 | 0.0 | 1547 | 0.0 | 1617 | 0.0 |
| IMPL-A | 730 | 0.0 | 800 | 0.0 | 935 | 0.0 | 1000 | 0.0 | 1100 | 0.0 | 1200 | 0.0 | 1300 | 0.1 | 1404 | 0.0 | 1530 | 0.0 | 1600 | 0.0 |
| IMPL-B | 733 | 0.0 | 803 | 0.0 | 938 | 0.0 | 1003 | 0.0 | 1103 | 0.0 | 1203 | 0.0 | 1304 | 0.0 | 1409 | 0.0 | 1534 | 0.0 | 1604 | 0.0 |
| IMPL-C | 734 | 0.0 | 804 | 0.0 | 939 | 0.0 | 1004 | 0.0 | 1104 | 0.0 | 1204 | 0.0 | 1305 | 0.0 | 1411 | 0.0 | 1538 | 0.0 | 1608 | 0.0 |
| IMPL-D | 735 | 0.0 | 805 | 0.0 | 940 | 0.0 | 1005 | 0.0 | 1105 | 0.0 | 1206 | 0.0 | 1306 | 0.0 | 1413 | 0.0 | 1540 | 0.0 | 1610 | 0.0 |
| IMPL-E | 739 | 0.0 | 809 | 0.0 | 943 | 0.0 | 1009 | 0.0 | 1109 | 0.0 | 1210 | 0.0 | 1309 | 0.0 | 1415 | 0.0 | 1544 | 0.0 | 1614 | 0.0 |
| IMPL-F | 741 | 0.0 | 811 | 0.0 | 944 | 0.0 | 1011 | 0.0 | 1111 | 0.0 | 1212 | 0.0 | 1311 | 0.0 | 1418 | 0.0 | 1546 | 0.0 | 1616 | 0.0 |
| IMPL-G | 743 | 0.0 | 815 | 0.0 | 947 | 0.0 | 1013 | 0.0 | 1113 | 0.0 | 1214 | 0.0 | 1313 | 0.0 | 1421 | 0.0 | 1548 | 0.0 | 1618 | 0.0 |
| IMPL-H | 744 | 0.0 | 816 | 0.0 | 948 | 0.0 | 1014 | 0.0 | 1114 | 0.0 | 1215 | 0.0 | 1314 | 0.0 | 1424 | 0.0 | 1549 | 0.0 | 1619 | 0.0 |
| IMPL-I | 745 | 0.0 | 817 | 0.0 | 949 | 0.0 | 1015 | 0.0 | 1115 | 0.0 | 1216 | 0.0 | 1315 | 0.0 | 1426 | 0.0 | 1550 | 0.0 | 1620 | 0.0 |
| IMPL-J | 747 | 0.0 | 819 | 0.0 | 951 | 0.0 | 1017 | 0.0 | 1117 | 0.0 | 1218 | 0.0 | 1317 | 0.0 | 1428 | 0.0 | 1552 | 0.0 | 1622 | 0.0 |
| IMPL-K | 750 | 0.0 | 822 | 0.0 | 954 | 0.0 | 1020 | 0.1 | 1120 | 0.0 | 1221 | 0.1 | 1320 | 0.1 | 1432 | 0.1 | 1555 | 0.2 | 1625 | 0.2 |
| IMPL-L | 751 | 0.0 | 823 | 0.0 | 955 | 0.0 | 1021 | 0.1 | 1121 | 0.0 | 1222 | 0.0 | 1321 | 0.0 | 1402 | 0.0 | 1556 | 0.0 | 1626 | 0.0 |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

2/16/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 737 | 0.0 | 807 | 0.0 | 942 | 0.0 | 1012 | 0.0 | 1107 | 0.0 | 1208 | 0.0 | 1308 | 0.0 | 1417 | 0.0 | 1542 | 0.0 | 1612 | 0.0 |
| SAM-2 | 732 | 0.0 | 802 | 0.0 | 937 | 0.0 | 1007 | 0.0 | 1102 | 0.0 | 1202 | 0.0 | 1302 | 0.0 | 1407 | 0.0 | 1532 | 0.0 | 1602 | 0.0 |
| SAM-3 | 749 | 0.0 | 821 | 0.0 | 953 | 0.0 | 1024 | 0.0 | 1119 | 0.1 | 1220 | 0.0 | 1319 | 0.0 | 1430 | 0.0 | 1554 | 0.0 | 1624 | 0.0 |
| SAM-4 | 742 | 0.0 | 814 | 0.0 | 946 | 0.0 | 1017 | 0.0 | 1112 | 0.0 | 1213 | 0.0 | 1312 | 0.0 | 1423 | 0.0 | 1547 | 0.0 | 1617 | 0.0 |
| IMPL-A | 730 | 0.0 | 800 | 0.0 | 935 | 0.1 | 1005 | 0.1 | 1100 | 0.1 | 1200 | 0.0 | 1300 | 0.1 | 1404 | 0.0 | 1530 | 0.0 | 1600 | 0.0 |
| IMPL-B | 733 | 0.0 | 803 | 0.0 | 938 | 0.0 | 1008 | 0.1 | 1103 | 0.1 | 1203 | 0.0 | 1304 | 0.0 | 1409 | 0.0 | 1534 | 0.0 | 1604 | 0.0 |
| IMPL-C | 734 | 0.0 | 804 | 0.0 | 939 | 0.0 | 1009 | 0.1 | 1104 | 0.1 | 1204 | 0.0 | 1305 | 0.0 | 1411 | 0.0 | 1538 | 0.0 | 1608 | 0.0 |
| IMPL-D | 735 | 0.0 | 805 | 0.0 | 940 | 0.0 | 1010 | 0.1 | 1105 | 0.1 | 1206 | 0.0 | 1306 | 0.0 | 1413 | 0.0 | 1540 | 0.0 | 1610 | 0.0 |
| IMPL-E | 739 | 0.0 | 809 | 0.0 | 943 | 0.0 | 1014 | 0.1 | 1109 | 0.1 | 1210 | 0.0 | 1309 | 0.0 | 1415 | 0.0 | 1544 | 0.0 | 1614 | 0.0 |
| IMPL-F | 741 | 0.0 | 811 | 0.0 | 944 | 0.0 | 1016 | 0.1 | 1111 | 0.1 | 1212 | 0.0 | 1311 | 0.0 | 1418 | 0.0 | 1546 | 0.0 | 1616 | 0.0 |
| IMPL-G | 743 | 0.0 | 815 | 0.0 | 947 | 0.0 | 1018 | 0.1 | 1113 | 0.1 | 1214 | 0.0 | 1313 | 0.0 | 1421 | 0.0 | 1548 | 0.0 | 1618 | 0.0 |
| IMPL-H | 744 | 0.0 | 816 | 0.0 | 948 | 0.0 | 1019 | 0.0 | 1114 | 0.1 | 1215 | 0.0 | 1314 | 0.0 | 1424 | 0.0 | 1549 | 0.0 | 1619 | 0.0 |
| IMPL-I | 745 | 0.0 | 817 | 0.0 | 949 | 0.0 | 1020 | 0.0 | 1115 | 0.1 | 1216 | 0.0 | 1315 | 0.0 | 1426 | 0.0 | 1550 | 0.0 | 1620 | 0.0 |
| IMPL-J | 747 | 0.0 | 819 | 0.0 | 951 | 0.0 | 1022 | 0.0 | 1117 | 0.1 | 1218 | 0.0 | 1317 | 0.0 | 1428 | 0.0 | 1552 | 0.0 | 1622 | 0.0 |
| IMPL-K | 750 | 0.0 | 822 | 0.0 | 954 | 0.0 | 1025 | 0.1 | 1120 | 0.1 | 1221 | 0.1 | 1320 | 0.1 | 1432 | 0.0 | 1555 | 0.0 | 1625 | 0.1 |
| IMPL-L | 751 | 0.0 | 823 | 0.0 | 955 | 0.1 | 1026 | 0.1 | 1121 | 0.1 | 1222 | 0.0 | 1321 | 0.0 | 1402 | 0.0 | 1556 | 0.1 | 1626 | 0.1 |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

2/17/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 737 | 0.0 | 807 | 0.0 | 942 | 0.0 | 1012 | 0.0 | 1107 | 0.0 | 1208 | 0.0 | 1308 | 0.0 | 1438 | 0.0 | 1542 | 0.0 | NA | NA |
| SAM-2 | 732 | 0.0 | 802 | 0.0 | 937 | 0.0 | 1007 | 0.0 | 1102 | 0.0 | 1202 | 0.0 | 1302 | 0.0 | 1432 | 0.0 | 1532 | 0.0 | NA | NA |
| SAM-3 | 749 | 0.0 | 821 | 0.0 | 953 | 0.0 | 1024 | 0.0 | 1119 | 0.0 | 1220 | 0.0 | 1319 | 0.0 | 1449 | 0.0 | 1554 | 0.0 | NA | NA |
| SAM-4 | 742 | 0.0 | 814 | 0.0 | 946 | 0.0 | 1017 | 0.0 | 1112 | 0.0 | 1213 | 0.0 | 1312 | 0.0 | 1442 | 0.0 | 1547 | 0.0 | NA | NA |
| IMPL-A | 730 | 0.0 | 800 | 0.0 | 935 | 0.0 | 1005 | 0.0 | 1100 | 0.0 | 1200 | 0.0 | 1300 | 0.0 | 1430 | 0.0 | 1530 | 0.0 | NA | NA |
| IMPL-B | 733 | 0.0 | 803 | 0.0 | 938 | 0.0 | 1008 | 0.0 | 1103 | 0.0 | 1203 | 0.0 | 1304 | 0.0 | 1434 | 0.0 | 1534 | 0.0 | NA | NA |
| IMPL-C | 734 | 0.0 | 804 | 0.0 | 939 | 0.0 | 1009 | 0.0 | 1104 | 0.0 | 1204 | 0.0 | 1305 | 0.0 | 1435 | 0.0 | 1538 | 0.0 | NA | NA |
| IMPL-D | 735 | 0.0 | 805 | 0.0 | 940 | 0.0 | 1010 | 0.0 | 1105 | 0.0 | 1206 | 0.0 | 1306 | 0.0 | 1436 | 0.0 | 1540 | 0.0 | NA | NA |
| IMPL-E | 739 | 0.0 | 809 | 0.0 | 943 | 0.0 | 1014 | 0.0 | 1109 | 0.0 | 1210 | 0.0 | 1309 | 0.0 | 1439 | 0.0 | 1544 | 0.0 | NA | NA |
| IMPL-F | 741 | 0.0 | 811 | 0.0 | 944 | 0.0 | 1016 | 0.0 | 1111 | 0.0 | 1212 | 0.0 | 1311 | 0.0 | 1441 | 0.0 | 1546 | 0.0 | NA | NA |
| IMPL-G | 743 | 0.0 | 815 | 0.0 | 947 | 0.0 | 1018 | 0.0 | 1113 | 0.0 | 1214 | 0.0 | 1313 | 0.0 | 1443 | 0.0 | 1548 | 0.0 | NA | NA |
| IMPL-H | 744 | 0.0 | 816 | 0.0 | 948 | 0.0 | 1019 | 0.0 | 1114 | 0.0 | 1215 | 0.0 | 1314 | 0.0 | 1444 | 0.0 | 1549 | 0.0 | NA | NA |
| IMPL-I | 745 | 0.0 | 817 | 0.0 | 949 | 0.0 | 1020 | 0.0 | 1115 | 0.0 | 1216 | 0.0 | 1315 | 0.0 | 1445 | 0.0 | 1550 | 0.0 | NA | NA |
| IMPL-J | 747 | 0.0 | 819 | 0.0 | 951 | 0.0 | 1022 | 0.0 | 1117 | 0.0 | 1218 | 0.0 | 1317 | 0.0 | 1447 | 0.0 | 1552 | 0.0 | NA | NA |
| IMPL-K | 750 | 0.0 | 822 | 0.0 | 954 | 0.0 | 1025 | 0.0 | 1120 | 0.0 | 1221 | 0.0 | 1320 | 0.0 | 1450 | 0.0 | 1555 | 0.0 | NA | NA |
| IMPL-L | 751 | 0.0 | 823 | 0.0 | 955 | 0.0 | 1026 | 0.0 | 1121 | 0.0 | 1222 | 0.0 | 1321 | 0.0 | 1451 | 0.0 | 1556 | 0.0 | NA | NA |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 4:00 pm

2/18/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SAM-2 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SAM-3 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SAM-4 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-B | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-C | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-D | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-E | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-F | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-G | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-H | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-I | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-J | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-K | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-L | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

No onsite activities occured on 2/18.

2/21/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 742 | 0.0 | 812 | 0.0 | 938 | 0.0 | 1015 | 0.0 | 1107 | 0.0 | 1156 | 0.0 | 1302 | 0.0 | 1408 | 0.0 | 1512 | 0.0 | 1558 | 0.0 |
| SAM-2 | 732 | 0.0 | 802 | 0.0 | 932 | 0.0 | 1011 | 0.0 | 1102 | 0.0 | 1151 | 0.0 | 1257 | 0.0 | 1402 | 0.0 | 1502 | 0.0 | 1552 | 0.0 |
| SAM-3 | 754 | 0.0 | 824 | 0.0 | 950 | 0.0 | 1023 | 0.0 | 1117 | 0.0 | 1207 | 0.0 | 1316 | 0.0 | 1418 | 0.0 | 1524 | 0.0 | 1607 | 0.0 |
| SAM-4 | 747 | 0.0 | 817 | 0.0 | 943 | 0.0 | 1018 | 0.0 | 1110 | 0.0 | 1202 | 0.0 | 1307 | 0.0 | 1412 | 0.0 | 1517 | 0.0 | 1602 | 0.0 |
| IMPL-A | 730 | 0.0 | 800 | 0.0 | 930 | 0.0 | 1010 | 0.0 | 1100 | 0.0 | 1150 | 0.0 | 1255 | 0.0 | 1400 | 0.0 | 1500 | 0.0 | 1550 | 0.0 |
| IMPL-B | 734 | 0.0 | 804 | 0.0 | 933 | 0.0 | 1012 | 0.0 | 1103 | 0.0 | 1152 | 0.0 | 1258 | 0.0 | 1403 | 0.0 | 1504 | 0.0 | 1553 | 0.0 |
| IMPL-C | 738 | 0.0 | 808 | 0.0 | 934 | 0.0 | 1013 | 0.0 | 1104 | 0.0 | 1153 | 0.0 | 1259 | 0.0 | 1404 | 0.0 | 1508 | 0.0 | 1554 | 0.0 |
| IMPL-D | 740 | 0.0 | 810 | 0.0 | 936 | 0.0 | 1014 | 0.0 | 1105 | 0.0 | 1155 | 0.0 | 1300 | 0.0 | 1406 | 0.0 | 1510 | 0.0 | 1556 | 0.0 |
| IMPL-E | 744 | 0.0 | 814 | 0.0 | 940 | 0.1 | 1016 | 0.0 | 1108 | 0.0 | 1200 | 0.1 | 1304 | 0.0 | 1410 | 0.0 | 1514 | 0.0 | 1600 | 0.0 |
| IMPL-F | 746 | 0.0 | 816 | 0.0 | 942 | 0.0 | 1017 | 0.0 | 1109 | 0.0 | 1201 | 0.1 | 1306 | 0.0 | 1411 | 0.0 | 1516 | 0.0 | 1601 | 0.0 |
| IMPL-G | 748 | 0.0 | 818 | 0.0 | 944 | 0.0 | 1019 | 0.0 | 1111 | 0.0 | 1203 | 0.0 | 1308 | 0.0 | 1413 | 0.0 | 1518 | 0.0 | 1603 | 0.0 |
| IMPL-H | 749 | 0.0 | 819 | 0.0 | 945 | 0.0 | 1020 | 0.0 | 1112 | 0.0 | 1204 | 0.0 | 1309 | 0.0 | 1414 | 0.0 | 1519 | 0.0 | 1604 | 0.0 |
| IMPL-I | 750 | 0.0 | 820 | 0.0 | 946 | 0.0 | 1021 | 0.0 | 1113 | 0.0 | 1205 | 0.0 | 1310 | 0.0 | 1415 | 0.0 | 1520 | 0.0 | 1605 | 0.0 |
| IMPL-J | 752 | 0.0 | 822 | 0.0 | 948 | 0.0 | 1022 | 0.0 | 1115 | 0.0 | 1206 | 0.0 | 1312 | 0.0 | 1416 | 0.0 | 1522 | 0.0 | 1606 | 0.0 |
| IMPL-K | 755 | 0.0 | 825 | 0.0 | 951 | 0.1 | 1024 | 0.1 | 1118 | 0.1 | 1208 | 0.0 | 1318 | 0.1 | 1419 | 0.1 | 1525 | 0.1 | 1608 | 0.1 |
| IMPL-L | 756 | 0.0 | 826 | 0.0 | 952 | 0.0 | 1025 | 0.0 | 1119 | 0.0 | 1209 | 0.0 | 1319 | 0.1 | 1420 | 0.1 | 1526 | 0.0 | 1609 | 0.0 |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

2/22/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 742 | 0.0 | 812 | 0.0 | 938 | 0.0 | 1015 | 0.0 | 1107 | 0.0 | 1206 | 0.0 | 1306 | 0.0 | 1408 | 0.0 | 1508 | 0.0 | 1608 | 0.0 |
| SAM-2 | 732 | 0.0 | 802 | 0.0 | 932 | 0.0 | 1011 | 0.0 | 1102 | 0.0 | 1201 | 0.0 | 1302 | 0.0 | 1402 | 0.0 | 1502 | 0.0 | 1602 | 0.0 |
| SAM-3 | 754 | 0.0 | 824 | 0.0 | 950 | 0.1 | 1023 | 0.0 | 1117 | 0.0 | 1212 | 0.0 | 1320 | 0.0 | 1418 | 0.0 | 1520 | 0.0 | 1613 | 0.0 |
| SAM-4 | 747 | 0.0 | 817 | 0.0 | 943 | 0.0 | 1018 | 0.0 | 1110 | 0.0 | 1207 | 0.0 | 1311 | 0.0 | 1412 | 0.0 | 1513 | 0.0 | 1608 | 0.0 |
| IMPL-A | 730 | 0.0 | 800 | 0.0 | 930 | 0.0 | 1010 | 0.0 | 1100 | 0.0 | 1200 | 0.0 | 1300 | 0.0 | 1400 | 0.0 | 1500 | 0.0 | 1600 | 0.0 |
| IMPL-B | 734 | 0.0 | 804 | 0.0 | 933 | 0.0 | 1012 | 0.0 | 1103 | 0.0 | 1202 | 0.0 | 1303 | 0.0 | 1403 | 0.0 | 1503 | 0.0 | 1603 | 0.0 |
| IMPL-C | 738 | 0.0 | 808 | 0.0 | 934 | 0.0 | 1013 | 0.0 | 1104 | 0.0 | 1203 | 0.0 | 1304 | 0.0 | 1404 | 0.0 | 1504 | 0.0 | 1604 | 0.0 |
| IMPL-D | 740 | 0.0 | 810 | 0.0 | 936 | 0.0 | 1014 | 0.0 | 1105 | 0.0 | 1205 | 0.0 | 1304 | 0.0 | 1406 | 0.0 | 1506 | 0.0 | 1606 | 0.1 |
| IMPL-E | 744 | 0.0 | 814 | 0.0 | 940 | 0.0 | 1016 | 0.0 | 1108 | 0.0 | 1205 | 0.1 | 1308 | 0.0 | 1410 | 0.0 | 1510 | 0.0 | 1606 | 0.1 |
| IMPL-F | 746 | 0.0 | 816 | 0.0 | 942 | 0.0 | 1017 | 0.0 | 1109 | 0.0 | 1206 | 0.1 | 1310 | 0.0 | 1411 | 0.0 | 1512 | 0.0 | 1607 | 0.1 |
| IMPL-G | 748 | 0.0 | 818 | 0.0 | 944 | 0.0 | 1019 | 0.0 | 1111 | 0.0 | 1208 | 0.0 | 1312 | 0.0 | 1413 | 0.0 | 1514 | 0.0 | 1609 | 0.0 |
| IMPL-H | 749 | 0.0 | 819 | 0.1 | 945 | 0.0 | 1020 | 0.0 | 1112 | 0.0 | 1209 | 0.0 | 1313 | 0.0 | 1414 | 0.0 | 1515 | 0.0 | 1610 | 0.0 |
| IMPL-I | 750 | 0.0 | 820 | 0.1 | 946 | 0.0 | 1021 | 0.0 | 1113 | 0.0 | 1210 | 0.0 | 1314 | 0.0 | 1415 | 0.0 | 1516 | 0.0 | 1611 | 0.0 |
| IMPL-J | 752 | 0.0 | 822 | 0.0 | 948 | 0.0 | 1022 | 0.0 | 1115 | 0.0 | 1211 | 0.0 | 1316 | 0.0 | 1416 | 0.0 | 1518 | 0.0 | 1612 | 0.0 |
| IMPL-K | 755 | 0.0 | 825 | 0.0 | 951 | 0.1 | 1024 | 0.1 | 1118 | 0.1 | 1213 | 0.1 | 1322 | 0.0 | 1419 | 0.0 | 1521 | 0.0 | 1614 | 0.0 |
| IMPL-L | 756 | 0.0 | 826 | 0.0 | 952 | 0.0 | 1025 | 0.0 | 1119 | 0.0 | 1214 | 0.1 | 1323 | 0.0 | 1420 | 0.0 | 1522 | 0.0 | 1615 | 0.0 |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

2/23/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 742 | 0.1 | 812 | 0.1 | 912 | 0.1 | 1015 | 0.1 | 1107 | 0.1 | 1216 | 0.1 | 1306 | 0.0 | 1408 | 0.0 | 1508 | 0.0 | 1608 | 0.0 |
| SAM-2 | 732 | 0.0 | 802 | 0.0 | 902 | 0.0 | 1011 | 0.0 | 1102 | 0.0 | 1211 | 0.0 | 1302 | 0.0 | 1402 | 0.1 | 1502 | 0.0 | 1602 | 0.0 |
| SAM-3 | 754 | 0.0 | 824 | 0.0 | 924 | 0.0 | 1023 | 0.0 | 1117 | 0.0 | 1222 | 0.0 | 1320 | 0.0 | 1418 | 0.0 | 1520 | 0.0 | 1613 | 0.0 |
| SAM-4 | 747 | 0.0 | 817 | 0.0 | 917 | 0.0 | 1018 | 0.0 | 1110 | 0.0 | 1217 | 0.1 | 1311 | 0.1 | 1412 | 0.1 | 1513 | 0.0 | 1608 | 0.1 |
| IMPL-A | 730 | 0.0 | 800 | 0.0 | 900 | 0.0 | 1010 | 0.0 | 1100 | 0.0 | 1210 | 0.0 | 1300 | 0.0 | 1400 | 0.0 | 1500 | 0.0 | 1600 | 0.0 |
| IMPL-B | 734 | 0.0 | 804 | 0.0 | 904 | 0.0 | 1012 | 0.0 | 1103 | 0.0 | 1212 | 0.1 | 1303 | 0.0 | 1403 | 0.1 | 1503 | 0.0 | 1603 | 0.0 |
| IMPL-C | 738 | 0.0 | 808 | 0.0 | 908 | 0.0 | 1013 | 0.1 | 1104 | 0.1 | 1213 | 0.1 | 1304 | 0.0 | 1404 | 0.1 | 1504 | 0.0 | 1604 | 0.0 |
| IMPL-D | 740 | 0.1 | 810 | 0.1 | 910 | 0.1 | 1014 | 0.1 | 1105 | 0.1 | 1215 | 0.1 | 1304 | 0.0 | 1406 | 0.1 | 1506 | 0.0 | 1606 | 0.0 |
| IMPL-E | 744 | 0.1 | 814 | 0.1 | 914 | 0.1 | 1016 | 0.1 | 1108 | 0.1 | 1215 | 0.1 | 1308 | 0.0 | 1410 | 0.1 | 1510 | 0.0 | 1606 | 0.0 |
| IMPL-F | 746 | 0.1 | 816 | 0.1 | 916 | 0.1 | 1017 | 0.1 | 1109 | 0.1 | 1216 | 0.2 | 1310 | 0.0 | 1411 | 0.1 | 1512 | 0.0 | 1607 | 0.1 |
| IMPL-G | 748 | 0.1 | 818 | 0.1 | 918 | 0.1 | 1019 | 0.1 | 1111 | 0.1 | 1218 | 0.1 | 1312 | 0.0 | 1413 | 0.1 | 1514 | 0.0 | 1609 | 0.1 |
| IMPL-H | 749 | 0.1 | 819 | 0.1 | 919 | 0.1 | 1020 | 0.1 | 1112 | 0.1 | 1219 | 0.1 | 1313 | 0.0 | 1414 | 0.1 | 1515 | 0.0 | 1610 | 0.1 |
| IMPL-I | 750 | 0.0 | 820 | 0.0 | 920 | 0.0 | 1021 | 0.1 | 1113 | 0.0 | 1220 | 0.1 | 1314 | 0.0 | 1415 | 0.1 | 1516 | 0.0 | 1611 | 0.1 |
| IMPL-J | 752 | 0.0 | 822 | 0.0 | 922 | 0.0 | 1022 | 0.1 | 1115 | 0.0 | 1221 | 0.1 | 1316 | 0.0 | 1416 | 0.1 | 1518 | 0.0 | 1612 | 0.1 |
| IMPL-K | 755 | 0.0 | 825 | 0.0 | 925 | 0.0 | 1024 | 0.1 | 1118 | 0.0 | 1223 | 0.0 | 1322 | 0.0 | 1419 | 0.1 | 1521 | 0.0 | 1614 | 0.1 |
| IMPL-L | 756 | 0.0 | 826 | 0.0 | 926 | 0.0 | 1025 | 0.0 | 1119 | 0.0 | 1224 | 0.0 | 1323 | 0.0 | 1420 | 0.0 | 1522 | 0.0 | 1615 | 0.0 |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

2/24/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 742 | 0.0 | 817 | 0.0 | 905 | 0.0 | 1015 | 0.0 | 1107 | 0.0 | 1216 | 0.0 | 1306 | 0.0 | 1408 | 0.0 | 1508 | 0.0 | NA | NA |
| SAM-2 | 732 | 0.0 | 812 | 0.0 | 901 | 0.0 | 1011 | 0.0 | 1102 | 0.0 | 1211 | 0.0 | 1302 | 0.0 | 1402 | 0.0 | 1502 | 0.0 | NA | NA |
| SAM-3 | 754 | 0.0 | 828 | 0.0 | 914 | 0.0 | 1023 | 0.0 | 1117 | 0.1 | 1222 | 0.1 | 1320 | 0.1 | 1418 | 0.1 | 1520 | 0.1 | NA | NA |
| SAM-4 | 747 | 0.1 | 821 | 0.1 | 908 | 0.1 | 1018 | 0.1 | 1110 | 0.0 | 1217 | 0.1 | 1311 | 0.0 | 1412 | 0.0 | 1513 | 0.0 | NA | NA |
| IMPL-A | 730 | 0.0 | 810 | 0.0 | 900 | 0.0 | 1010 | 0.0 | 1100 | 0.0 | 1210 | 0.0 | 1300 | 0.0 | 1400 | 0.0 | 1500 | 0.0 | NA | NA |
| IMPL-B | 734 | 0.0 | 813 | 0.0 | 902 | 0.0 | 1012 | 0.0 | 1103 | 0.0 | 1212 | 0.0 | 1303 | 0.0 | 1403 | 0.0 | 1503 | 0.0 | NA | NA |
| IMPL-C | 738 | 0.0 | 814 | 0.0 | 903 | 0.0 | 1013 | 0.0 | 1104 | 0.0 | 1213 | 0.0 | 1304 | 0.0 | 1404 | 0.0 | 1504 | 0.0 | NA | NA |
| IMPL-D | 740 | 0.0 | 815 | 0.0 | 904 | 0.0 | 1014 | 0.0 | 1105 | 0.0 | 1215 | 0.0 | 1304 | 0.0 | 1406 | 0.0 | 1506 | 0.0 | NA | NA |
| IMPL-E | 744 | 0.0 | 818 | 0.0 | 906 | 0.0 | 1016 | 0.0 | 1108 | 0.0 | 1215 | 0.0 | 1308 | 0.0 | 1410 | 0.0 | 1510 | 0.0 | NA | NA |
| IMPL-F | 746 | 0.1 | 820 | 0.1 | 907 | 0.0 | 1017 | 0.0 | 1109 | 0.0 | 1216 | 0.1 | 1310 | 0.0 | 1411 | 0.0 | 1512 | 0.0 | NA | NA |
| IMPL-G | 748 | 0.1 | 822 | 0.1 | 909 | 0.1 | 1019 | 0.1 | 1111 | 0.1 | 1218 | 0.1 | 1312 | 0.0 | 1413 | 0.1 | 1514 | 0.1 | NA | NA |
| IMPL-H | 749 | 0.1 | 823 | 0.1 | 910 | 0.1 | 1020 | 0.1 | 1112 | 0.1 | 1219 | 0.1 | 1313 | 0.1 | 1414 | 0.1 | 1515 | 0.1 | NA | NA |
| IMPL-I | 750 | 0.1 | 824 | 0.1 | 911 | 0.1 | 1021 | 0.1 | 1113 | 0.1 | 1220 | 0.1 | 1314 | 0.2 | 1415 | 0.1 | 1516 | 0.1 | NA | NA |
| IMPL-J | 752 | 0.1 | 826 | 0.1 | 912 | 0.1 | 1022 | 0.1 | 1115 | 0.1 | 1221 | 0.1 | 1316 | 0.1 | 1416 | 0.1 | 1518 | 0.1 | NA | NA |
| IMPL-K | 755 | 0.1 | 829 | 0.0 | 915 | 0.0 | 1024 | 0.0 | 1118 | 0.1 | 1223 | 0.1 | 1322 | 0.1 | 1419 | 0.1 | 1521 | 0.1 | NA | NA |
| IMPL-L | 756 | 0.0 | 830 | 0.0 | 916 | 0.0 | 1025 | 0.0 | 1119 | 0.0 | 1224 | 0.0 | 1323 | 0.0 | 1420 | 0.0 | 1522 | 0.0 | NA | NA |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 4:00 pm

2/25/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 720 | 0.0 | 817 | 0.0 | 905 | 0.0 | 1015 | 0.0 | 1107 | 0.0 | 1216 | 0.0 | 1306 | 0.0 | 1408 | 0.0 | NA | NA | NA | NA |
| SAM-2 | 716 | 0.0 | 812 | 0.0 | 901 | 0.0 | 1011 | 0.0 | 1102 | 0.1 | 1211 | 0.0 | 1302 | 0.0 | 1402 | 0.0 | NA | NA | NA | NA |
| SAM-3 | 728 | 0.0 | 828 | 0.0 | 914 | 0.0 | 1023 | 0.0 | 1117 | 0.0 | 1222 | 0.0 | 1320 | 0.0 | 1418 | 0.0 | NA | NA | NA | NA |
| SAM-4 | 723 | 0.0 | 821 | 0.0 | 908 | 0.0 | 1018 | 0.0 | 1110 | 0.1 | 1217 | 0.0 | 1311 | 0.0 | 1412 | 0.0 | NA | NA | NA | NA |
| IMPL-A | 715 | 0.0 | 810 | 0.0 | 900 | 0.0 | 1010 | 0.0 | 1100 | 0.1 | 1210 | 0.0 | 1300 | 0.0 | 1400 | 0.0 | NA | NA | NA | NA |
| IMPL-B | 717 | 0.1 | 813 | 0.1 | 902 | 0.1 | 1012 | 0.1 | 1103 | 0.1 | 1212 | 0.0 | 1303 | 0.0 | 1403 | 0.0 | NA | NA | NA | NA |
| IMPL-C | 718 | 0.1 | 814 | 0.1 | 903 | 0.1 | 1013 | 0.1 | 1104 | 0.1 | 1213 | 0.0 | 1304 | 0.0 | 1404 | 0.1 | NA | NA | NA | NA |
| IMPL-D | 719 | 0.1 | 815 | 0.1 | 904 | 0.1 | 1014 | 0.1 | 1105 | 0.1 | 1215 | 0.0 | 1304 | 0.0 | 1406 | 0.1 | NA | NA | NA | NA |
| IMPL-E | 721 | 0.1 | 818 | 0.1 | 906 | 0.2 | 1016 | 0.1 | 1108 | 0.1 | 1215 | 0.0 | 1308 | 0.0 | 1410 | 0.1 | NA | NA | NA | NA |
| IMPL-F | 722 | 0.0 | 820 | 0.0 | 907 | 0.0 | 1017 | 0.0 | 1109 | 0.1 | 1216 | 0.0 | 1310 | 0.0 | 1411 | 0.0 | NA | NA | NA | NA |
| IMPL-G | 724 | 0.0 | 822 | 0.0 | 909 | 0.0 | 1019 | 0.0 | 1111 | 0.1 | 1218 | 0.0 | 1312 | 0.0 | 1413 | 0.0 | NA | NA | NA | NA |
| IMPL-H | 725 | 0.0 | 823 | 0.0 | 910 | 0.0 | 1020 | 0.0 | 1112 | 0.1 | 1219 | 0.0 | 1313 | 0.0 | 1414 | 0.0 | NA | NA | NA | NA |
| IMPL-I | 726 | 0.0 | 824 | 0.0 | 911 | 0.0 | 1021 | 0.0 | 1113 | 0.1 | 1220 | 0.0 | 1314 | 0.0 | 1415 | 0.0 | NA | NA | NA | NA |
| IMPL-J | 727 | 0.0 | 826 | 0.0 | 912 | 0.0 | 1022 | 0.0 | 1115 | 0.1 | 1221 | 0.0 | 1316 | 0.0 | 1416 | 0.0 | NA | NA | NA | NA |
| IMPL-K | 729 | 0.0 | 829 | 0.0 | 915 | 0.0 | 1024 | 0.0 | 1118 | 0.1 | 1223 | 0.0 | 1322 | 0.0 | 1419 | 0.0 | NA | NA | NA | NA |
| IMPL-L | 730 | 0.0 | 830 | 0.0 | 916 | 0.0 | 1025 | 0.0 | 1119 | 0.1 | 1224 | 0.0 | 1323 | 0.0 | 1420 | 0.0 | NA | NA | NA | NA |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 3:00 pm

2/28/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 735 | 0.0 | 817 | 0.0 | 905 | 0.0 | 1015 | 0.0 | 1107 | 0.0 | 1226 | 0.0 | 1306 | 0.0 | 1408 | 0.0 | 1505 | 0.0 | 1605 | 0.0 |
| SAM-2 | 731 | 0.0 | 812 | 0.0 | 901 | 0.0 | 1011 | 0.0 | 1102 | 0.1 | 1221 | 0.0 | 1302 | 0.0 | 1402 | 0.0 | 1501 | 0.0 | 1601 | 0.0 |
| SAM-3 | 743 | 0.0 | 828 | 0.0 | 914 | 0.0 | 1023 | 0.0 | 1117 | 0.0 | 1232 | 0.0 | 1320 | 0.0 | 1418 | 0.0 | 1513 | 0.0 | 1613 | 0.0 |
| SAM-4 | 738 | 0.0 | 821 | 0.0 | 908 | 0.0 | 1018 | 0.0 | 1110 | 0.0 | 1227 | 0.0 | 1311 | 0.0 | 1412 | 0.0 | 1508 | 0.0 | 1608 | 0.0 |
| IMPL-A | 730 | 0.0 | 810 | 0.0 | 900 | 0.1 | 1010 | 0.1 | 1100 | 0.2 | 1220 | 0.0 | 1300 | 0.1 | 1400 | 0.0 | 1500 | 0.1 | 1600 | 0.0 |
| IMPL-B | 732 | 0.0 | 813 | 0.0 | 902 | 0.1 | 1012 | 0.1 | 1103 | 0.2 | 1222 | 0.1 | 1303 | 0.1 | 1403 | 0.0 | 1502 | 0.1 | 1602 | 0.0 |
| IMPL-C | 733 | 0.0 | 814 | 0.0 | 903 | 0.1 | 1013 | 0.1 | 1104 | 0.2 | 1223 | 0.1 | 1304 | 0.1 | 1404 | 0.1 | 1503 | 0.1 | 1603 | 0.1 |
| IMPL-D | 734 | 0.0 | 815 | 0.0 | 904 | 0.1 | 1014 | 0.1 | 1105 | 0.2 | 1225 | 0.1 | 1304 | 0.1 | 1406 | 0.0 | 1504 | 0.1 | 1604 | 0.1 |
| IMPL-E | 736 | 0.0 | 818 | 0.0 | 906 | 0.1 | 1016 | 0.1 | 1108 | 0.1 | 1225 | 0.1 | 1308 | 0.0 | 1410 | 0.0 | 1506 | 0.1 | 1606 | 0.1 |
| IMPL-F | 737 | 0.0 | 820 | 0.0 | 907 | 0.0 | 1017 | 0.0 | 1109 | 0.0 | 1226 | 0.0 | 1310 | 0.0 | 1411 | 0.0 | 1507 | 0.1 | 1607 | 0.1 |
| IMPL-G | 739 | 0.0 | 822 | 0.0 | 909 | 0.0 | 1019 | 0.0 | 1111 | 0.0 | 1228 | 0.0 | 1312 | 0.0 | 1413 | 0.0 | 1509 | 0.0 | 1609 | 0.0 |
| IMPL-H | 740 | 0.0 | 823 | 0.0 | 910 | 0.0 | 1020 | 0.0 | 1112 | 0.0 | 1229 | 0.0 | 1313 | 0.0 | 1414 | 0.0 | 1510 | 0.0 | 1610 | 0.0 |
| IMPL-I | 741 | 0.0 | 824 | 0.0 | 911 | 0.0 | 1021 | 0.1 | 1113 | 0.1 | 1230 | 0.0 | 1314 | 0.0 | 1415 | 0.0 | 1511 | 0.0 | 1611 | 0.0 |
| IMPL-J | 742 | 0.0 | 826 | 0.0 | 912 | 0.0 | 1022 | 0.0 | 1115 | 0.1 | 1231 | 0.0 | 1316 | 0.0 | 1416 | 0.0 | 1512 | 0.0 | 1612 | 0.0 |
| IMPL-K | 744 | 0.0 | 829 | 0.0 | 915 | 0.0 | 1024 | 0.0 | 1118 | 0.0 | 1233 | 0.0 | 1322 | 0.0 | 1419 | 0.0 | 1514 | 0.0 | 1614 | 0.0 |
| IMPL-L | 745 | 0.0 | 830 | 0.0 | 916 | 0.2 | 1025 | 0.1 | 1119 | 0.0 | 1234 | 0.0 | 1323 | 0.1 | 1420 | 0.0 | 1515 | 0.0 | 1615 | 0.0 |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

3/1/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 735 | 0.0 | 817 | 0.0 | 905 | 0.0 | 1015 | 0.0 | 1107 | 0.0 | 1226 | 0.0 | 1306 | 0.0 | 1408 | 0.0 | 1505 | 0.0 | 1605 | 0.0 |
| SAM-2 | 731 | 0.0 | 812 | 0.0 | 901 | 0.0 | 1011 | 0.0 | 1102 | 0.1 | 1221 | 0.0 | 1302 | 0.0 | 1402 | 0.0 | 1501 | 0.0 | 1601 | 0.0 |
| SAM-3 | 743 | 0.0 | 828 | 0.0 | 914 | 0.0 | 1023 | 0.0 | 1117 | 0.0 | 1232 | 0.0 | 1320 | 0.0 | 1418 | 0.0 | 1513 | 0.0 | 1613 | 0.0 |
| SAM-4 | 738 | 0.0 | 821 | 0.0 | 908 | 0.0 | 1018 | 0.0 | 1110 | 0.0 | 1227 | 0.0 | 1311 | 0.0 | 1412 | 0.0 | 1508 | 0.0 | 1608 | 0.0 |
| IMPL-A | 730 | 0.0 | 810 | 0.0 | 900 | 0.1 | 1010 | 0.1 | 1100 | 0.2 | 1220 | 0.0 | 1300 | 0.1 | 1400 | 0.0 | 1500 | 0.1 | 1600 | 0.0 |
| IMPL-B | 732 | 0.0 | 813 | 0.0 | 902 | 0.1 | 1012 | 0.1 | 1103 | 0.2 | 1222 | 0.1 | 1303 | 0.1 | 1403 | 0.0 | 1502 | 0.1 | 1602 | 0.0 |
| IMPL-C | 733 | 0.0 | 814 | 0.0 | 903 | 0.1 | 1013 | 0.1 | 1104 | 0.2 | 1223 | 0.1 | 1304 | 0.1 | 1404 | 0.1 | 1503 | 0.1 | 1603 | 0.1 |
| IMPL-D | 734 | 0.0 | 815 | 0.0 | 904 | 0.1 | 1014 | 0.1 | 1105 | 0.2 | 1225 | 0.1 | 1304 | 0.1 | 1406 | 0.0 | 1504 | 0.1 | 1604 | 0.1 |
| IMPL-E | 736 | 0.0 | 818 | 0.0 | 906 | 0.1 | 1016 | 0.1 | 1108 | 0.1 | 1225 | 0.1 | 1308 | 0.0 | 1410 | 0.0 | 1506 | 0.1 | 1606 | 0.1 |
| IMPL-F | 737 | 0.0 | 820 | 0.0 | 907 | 0.0 | 1017 | 0.0 | 1109 | 0.0 | 1226 | 0.0 | 1310 | 0.0 | 1411 | 0.0 | 1507 | 0.1 | 1607 | 0.1 |
| IMPL-G | 739 | 0.0 | 822 | 0.0 | 909 | 0.0 | 1019 | 0.0 | 1111 | 0.0 | 1228 | 0.0 | 1312 | 0.0 | 1413 | 0.0 | 1509 | 0.0 | 1609 | 0.0 |
| IMPL-H | 740 | 0.0 | 823 | 0.0 | 910 | 0.0 | 1020 | 0.0 | 1112 | 0.0 | 1229 | 0.0 | 1313 | 0.0 | 1414 | 0.0 | 1510 | 0.0 | 1610 | 0.0 |
| IMPL-I | 741 | 0.0 | 824 | 0.0 | 911 | 0.0 | 1021 | 0.1 | 1113 | 0.1 | 1230 | 0.0 | 1314 | 0.0 | 1415 | 0.0 | 1511 | 0.0 | 1611 | 0.0 |
| IMPL-J | 742 | 0.0 | 826 | 0.0 | 912 | 0.0 | 1022 | 0.0 | 1115 | 0.1 | 1231 | 0.0 | 1316 | 0.0 | 1416 | 0.0 | 1512 | 0.0 | 1612 | 0.0 |
| IMPL-K | 744 | 0.0 | 829 | 0.0 | 915 | 0.0 | 1024 | 0.0 | 1118 | 0.0 | 1233 | 0.0 | 1322 | 0.0 | 1419 | 0.0 | 1514 | 0.0 | 1614 | 0.0 |
| IMPL-L | 745 | 0.0 | 830 | 0.0 | 916 | 0.2 | 1025 | 0.1 | 1119 | 0.0 | 1234 | 0.0 | 1323 | 0.1 | 1420 | 0.0 | 1515 | 0.0 | 1615 | 0.0 |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

3/2/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | NA | NA | 817 | 0.1 | 920 | 0.0 | 1005 | 0.1 | 1120 | 0.0 | 1206 | 0.0 | 1306 | 0.0 | 1408 | 0.0 | 1505 | 0.0 | NA | NA |
| SAM-2 | NA | NA | 812 | 0.0 | 916 | 0.0 | 1001 | 0.0 | 1116 | 0.0 | 1201 | 0.1 | 1302 | 0.0 | 1402 | 0.0 | 1501 | 0.0 | NA | NA |
| SAM-3 | NA | NA | 828 | 0.0 | 929 | 0.0 | 1013 | 0.0 | 1128 | 0.1 | 1212 | 0.1 | 1320 | 0.0 | 1418 | 0.0 | 1513 | 0.0 | NA | NA |
| SAM-4 | NA | NA | 821 | 0.0 | 923 | 0.0 | 1008 | 0.0 | 1123 | 0.1 | 1207 | 0.0 | 1311 | 0.0 | 1412 | 0.0 | 1508 | 0.0 | NA | NA |
| IMPL-A | NA | NA | 810 | 0.0 | 915 | 0.1 | 1000 | 0.0 | 1115 | 0.1 | 1200 | 0.1 | 1300 | 0.0 | 1400 | 0.0 | 1500 | 0.0 | NA | NA |
| IMPL-B | NA | NA | 813 | 0.0 | 917 | 0.1 | 1002 | 0.0 | 1117 | 0.1 | 1202 | 0.1 | 1303 | 0.0 | 1403 | 0.0 | 1502 | 0.0 | NA | NA |
| IMPL-C | NA | NA | 814 | 0.1 | 918 | 0.1 | 1003 | 0.0 | 1118 | 0.0 | 1203 | 0.1 | 1304 | 0.0 | 1404 | 0.0 | 1503 | 0.0 | NA | NA |
| IMPL-D | NA | NA | 815 | 0.1 | 919 | 0.1 | 1004 | 0.0 | 1119 | 0.0 | 1205 | 0.1 | 1304 | 0.0 | 1406 | 0.0 | 1504 | 0.0 | NA | NA |
| IMPL-E | NA | NA | 818 | 0.1 | 921 | 0.1 | 1006 | 0.0 | 1121 | 0.0 | 1205 | 0.1 | 1308 | 0.0 | 1410 | 0.0 | 1506 | 0.0 | NA | NA |
| IMPL-F | NA | NA | 820 | 0.1 | 922 | 0.0 | 1007 | 0.1 | 1122 | 0.1 | 1206 | 0.1 | 1310 | 0.0 | 1411 | 0.0 | 1507 | 0.0 | NA | NA |
| IMPL-G | NA | NA | 822 | 0.1 | 924 | 0.0 | 1009 | 0.0 | 1124 | 0.1 | 1208 | 0.1 | 1312 | 0.0 | 1413 | 0.0 | 1509 | 0.0 | NA | NA |
| IMPL-H | NA | NA | 823 | 0.1 | 925 | 0.0 | 1010 | 0.0 | 1125 | 0.1 | 1209 | 0.1 | 1313 | 0.0 | 1414 | 0.0 | 1510 | 0.0 | NA | NA |
| IMPL-I | NA | NA | 824 | 0.1 | 926 | 0.0 | 1011 | 0.0 | 1126 | 0.1 | 1210 | 0.1 | 1314 | 0.0 | 1415 | 0.0 | 1511 | 0.0 | NA | NA |
| IMPL-J | NA | NA | 826 | 0.1 | 927 | 0.0 | 1012 | 0.0 | 1127 | 0.1 | 1211 | 0.1 | 1316 | 0.0 | 1416 | 0.0 | 1512 | 0.0 | NA | NA |
| IMPL-K | NA | NA | 829 | 0.1 | 930 | 0.0 | 1014 | 0.1 | 1129 | 0.1 | 1213 | 0.2 | 1322 | 0.0 | 1419 | 0.0 | 1514 | 0.0 | NA | NA |
| IMPL-L | NA | NA | 830 | 0.0 | 931 | 0.2 | 1015 | 0.0 | 1130 | 0.0 | 1214 | 0.1 | 1323 | 0.0 | 1420 | 0.0 | 1515 | 0.0 | NA | NA |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 4:00 pm

3/3/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 736 | 0.0 | 807 | 0.0 | 920 | 0.0 | 1005 | 0.0 | 1105 | 0.0 | 1206 | 0.0 | 1306 | 0.0 | 1408 | 0.0 | 1505 | 0.0 | NA | NA |
| SAM-2 | 732 | 0.0 | 802 | 0.0 | 916 | 0.1 | 1001 | 0.0 | 1101 | 0.0 | 1201 | 0.0 | 1302 | 0.0 | 1402 | 0.0 | 1501 | 0.0 | NA | NA |
| SAM-3 | 744 | 0.0 | 818 | 0.0 | 929 | 0.0 | 1013 | 0.0 | 1113 | 0.0 | 1212 | 0.0 | 1320 | 0.0 | 1418 | 0.0 | 1513 | 0.0 | NA | NA |
| SAM-4 | 739 | 0.1 | 811 | 0.0 | 923 | 0.0 | 1008 | 0.0 | 1108 | 0.0 | 1207 | 0.0 | 1311 | 0.0 | 1412 | 0.0 | 1508 | 0.0 | NA | NA |
| IMPL-A | 730 | 0.0 | 800 | 0.0 | 915 | 0.1 | 1000 | 0.0 | 1100 | 0.0 | 1200 | 0.0 | 1300 | 0.0 | 1400 | 0.0 | 1500 | 0.0 | NA | NA |
| IMPL-B | 733 | 0.0 | 803 | 0.0 | 917 | 0.1 | 1002 | 0.0 | 1102 | 0.0 | 1202 | 0.0 | 1303 | 0.0 | 1403 | 0.0 | 1502 | 0.0 | NA | NA |
| IMPL-C | 734 | 0.0 | 804 | 0.0 | 918 | 0.1 | 1003 | 0.0 | 1103 | 0.0 | 1203 | 0.0 | 1304 | 0.0 | 1404 | 0.0 | 1503 | 0.0 | NA | NA |
| IMPL-D | 735 | 0.0 | 805 | 0.0 | 919 | 0.1 | 1004 | 0.0 | 1104 | 0.0 | 1205 | 0.0 | 1304 | 0.0 | 1406 | 0.0 | 1504 | 0.0 | NA | NA |
| IMPL-E | 737 | 0.0 | 808 | 0.0 | 921 | 0.1 | 1006 | 0.0 | 1106 | 0.0 | 1205 | 0.0 | 1308 | 0.0 | 1410 | 0.0 | 1506 | 0.0 | NA | NA |
| IMPL-F | 738 | 0.3 | 810 | 0.2 | 922 | 0.2 | 1007 | 0.0 | 1107 | 0.1 | 1206 | 0.0 | 1310 | 0.1 | 1411 | 0.0 | 1507 | 0.0 | NA | NA |
| IMPL-G | 740 | 0.1 | 812 | 0.2 | 924 | 0.2 | 1009 | 0.0 | 1109 | 0.0 | 1208 | 0.0 | 1312 | 0.0 | 1413 | 0.0 | 1509 | 0.0 | NA | NA |
| IMPL-H | 741 | 0.0 | 813 | 0.2 | 925 | 0.2 | 1010 | 0.0 | 1110 | 0.0 | 1209 | 0.0 | 1313 | 0.0 | 1414 | 0.0 | 1510 | 0.0 | NA | NA |
| IMPL-I | 742 | 0.0 | 814 | 0.0 | 926 | 0.1 | 1011 | 0.0 | 1111 | 0.0 | 1210 | 0.0 | 1314 | 0.0 | 1415 | 0.0 | 1511 | 0.0 | NA | NA |
| IMPL-J | 743 | 0.0 | 816 | 0.0 | 927 | 0.1 | 1012 | 0.0 | 1112 | 0.0 | 1211 | 0.0 | 1316 | 0.0 | 1416 | 0.0 | 1512 | 0.0 | NA | NA |
| IMPL-K | 745 | 0.0 | 819 | 0.0 | 930 | 0.1 | 1014 | 0.0 | 1114 | 0.0 | 1213 | 0.0 | 1322 | 0.0 | 1419 | 0.0 | 1514 | 0.0 | NA | NA |
| IMPL-L | 746 | 0.0 | 820 | 0.0 | 931 | 0.1 | 1015 | 0.0 | 1115 | 0.0 | 1214 | 0.0 | 1323 | 0.0 | 1420 | 0.0 | 1515 | 0.0 | NA | NA |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 4:00 pm

3/4/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | NA | NA | 827 | 0.0 | 935 | 0.0 | 1005 | 0.0 | 1105 | 0.0 | 1206 | 0.0 | 1306 | 0.0 | 1408 | 0.0 | 1505 | 0.0 | NA | NA |
| SAM-2 | NA | NA | 822 | 0.0 | 931 | 0.0 | 1001 | 0.0 | 1101 | 0.0 | 1201 | 0.0 | 1302 | 0.0 | 1402 | 0.0 | 1501 | 0.0 | NA | NA |
| SAM-3 | NA | NA | 838 | 0.0 | 944 | 0.0 | 1013 | 0.0 | 1113 | 0.0 | 1212 | 0.0 | 1320 | 0.0 | 1418 | 0.0 | 1513 | 0.0 | NA | NA |
| SAM-4 | NA | NA | 831 | 0.0 | 938 | 0.0 | 1008 | 0.0 | 1108 | 0.0 | 1207 | 0.0 | 1311 | 0.0 | 1412 | 0.0 | 1508 | 0.0 | NA | NA |
| IMPL-A | NA | NA | 820 | 0.0 | 930 | 0.0 | 1000 | 0.0 | 1100 | 0.0 | 1200 | 0.0 | 1300 | 0.0 | 1400 | 0.0 | 1500 | 0.0 | NA | NA |
| IMPL-B | NA | NA | 823 | 0.0 | 932 | 0.0 | 1002 | 0.0 | 1102 | 0.0 | 1202 | 0.0 | 1303 | 0.0 | 1403 | 0.0 | 1502 | 0.0 | NA | NA |
| IMPL-C | NA | NA | 824 | 0.0 | 933 | 0.0 | 1003 | 0.0 | 1103 | 0.0 | 1203 | 0.0 | 1304 | 0.0 | 1404 | 0.0 | 1503 | 0.0 | NA | NA |
| IMPL-D | NA | NA | 825 | 0.0 | 934 | 0.0 | 1004 | 0.0 | 1104 | 0.0 | 1205 | 0.0 | 1304 | 0.0 | 1406 | 0.0 | 1504 | 0.0 | NA | NA |
| IMPL-E | NA | NA | 828 | 0.0 | 936 | 0.0 | 1006 | 0.0 | 1106 | 0.0 | 1205 | 0.0 | 1308 | 0.0 | 1410 | 0.0 | 1506 | 0.0 | NA | NA |
| IMPL-F | NA | NA | 830 | 0.0 | 937 | 0.0 | 1007 | 0.0 | 1107 | 0.0 | 1206 | 0.0 | 1310 | 0.0 | 1411 | 0.0 | 1507 | 0.0 | NA | NA |
| IMPL-G | NA | NA | 832 | 0.0 | 939 | 0.0 | 1009 | 0.0 | 1109 | 0.0 | 1208 | 0.0 | 1312 | 0.0 | 1413 | 0.0 | 1509 | 0.0 | NA | NA |
| IMPL-H | NA | NA | 833 | 0.0 | 940 | 0.0 | 1010 | 0.0 | 1110 | 0.1 | 1209 | 0.0 | 1313 | 0.0 | 1414 | 0.0 | 1510 | 0.0 | NA | NA |
| IMPL-I | NA | NA | 834 | 0.0 | 941 | 0.0 | 1011 | 0.0 | 1111 | 0.1 | 1210 | 0.0 | 1314 | 0.0 | 1415 | 0.0 | 1511 | 0.0 | NA | NA |
| IMPL-J | NA | NA | 836 | 0.0 | 942 | 0.0 | 1012 | 0.0 | 1112 | 0.1 | 1211 | 0.0 | 1316 | 0.0 | 1416 | 0.0 | 1512 | 0.0 | NA | NA |
| IMPL-K | NA | NA | 839 | 0.0 | 945 | 0.0 | 1014 | 0.0 | 1114 | 0.1 | 1213 | 0.0 | 1322 | 0.0 | 1419 | 0.0 | 1514 | 0.0 | NA | NA |
| IMPL-L | NA | NA | 840 | 0.0 | 946 | 0.0 | 1015 | 0.0 | 1115 | 0.0 | 1214 | 0.0 | 1323 | 0.0 | 1420 | 0.0 | 1515 | 0.0 | NA | NA |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 4:00 pm

3/7/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 0700 | 0.0 | 0800 | 0.0 | 0900 | 0.0 | 1000 | 0.0 | 1100 | 0.0 | 1215 | 0.0 | 1345 | 0.0 | 1500 | 0.0 | 1600 | 0.0 | NA | NA |
| SAM-2 | 0708 | 0.0 | 0808 | 0.0 | 0907 | 0.0 | 1009 | 0.0 | 1108 | 0.0 | 1221 | 0.0 | 1353 | 0.0 | 1508 | 0.0 | 1610 | 0.0 | NA | NA |
| SAM-3 | 0704 | 0.0 | 0804 | 0.0 | 0901 | 0.0 | 1004 | 0.0 | 1104 | 0.0 | 1217 | 0.0 | 1349 | 0.0 | 1504 | 0.0 | 1605 | 0.0 | NA | NA |
| SAM-4 | 0702 | 0.0 | 0802 | 0.0 | 0903 | 0.0 | 1002 | 0.0 | 1102 | 0.0 | 1216 | 0.0 | 1347 | 0.0 | 1502 | 0.0 | 1603 | 0.0 | NA | NA |
| IMPL-A | 0709 | 0.0 | 0809 | 0.0 | 0908 | 0.0 | 1010 | 0.0 | 1109 | 0.0 | 1222 | 0.0 | 1354 | 0.0 | 1509 | 0.0 | 1611 | 0.0 | NA | NA |
| IMPL-B | 0710 | 0.0 | 0810 | 0.0 | 0909 | 0.0 | 1011 | 0.0 | 1110 | 0.0 | 1223 | 0.0 | 1355 | 0.0 | 1510 | 0.0 | 1612 | 0.0 | NA | NA |
| IMPL-C | 0711 | 0.0 | 0811 | 0.0 | 0910 | 0.0 | 1012 | 0.0 | 1111 | 0.0 | 1224 | 0.0 | 1356 | 0.0 | 1511 | 0.0 | 1613 | 0.0 | NA | NA |
| IMPL-D | 0712 | 0.0 | 0812 | 0.0 | 0911 | 0.0 | 1013 | 0.0 | 1112 | 0.0 | 1225 | 0.0 | 1357 | 0.0 | 1512 | 0.0 | 1614 | 0.0 | NA | NA |
| IMPL-E | 0713 | 0.0 | 0813 | 0.0 | 0912 | 0.0 | 1014 | 0.0 | 1113 | 0.0 | 1226 | 0.0 | 1358 | 0.0 | 1513 | 0.0 | 1615 | 0.0 | NA | NA |
| IMPL-F | 0714 | 0.0 | 0814 | 0.0 | 0913 | 0.0 | 1015 | 0.0 | 1114 | 0.0 | 1227 | 0.0 | 1359 | 0.0 | 1514 | 0.0 | 1616 | 0.0 | NA | NA |
| IMPL-G | 0715 | 0.0 | 0815 | 0.0 | 0914 | 0.0 | 1016 | 0.0 | 1115 | 0.0 | 1228 | 0.0 | 1400 | 0.0 | 1515 | 0.0 | 1617 | 0.0 | NA | NA |
| IMPL-H | 0716 | 0.0 | 0816 | 0.0 | 0915 | 0.0 | 1017 | 0.0 | 1116 | 0.0 | 1229 | 0.0 | 1401 | 0.0 | 1516 | 0.0 | 1618 | 0.0 | NA | NA |
| IMPL-I | 0717 | 0.0 | 0817 | 0.0 | 0916 | 0.0 | 1018 | 0.0 | 1117 | 0.0 | 1230 | 0.0 | 1402 | 0.0 | 1517 | 0.0 | 1619 | 0.0 | NA | NA |
| IMPL-J | 0718 | 0.0 | 0818 | 0.0 | 0917 | 0.0 | 1019 | 0.0 | 1118 | 0.0 | 1231 | 0.0 | 1403 | 0.0 | 1518 | 0.0 | 1620 | 0.0 | NA | NA |
| IMPL-K | 0719 | 0.0 | 0819 | 0.0 | 0918 | 0.0 | 1020 | 0.0 | 1119 | 0.0 | 1232 | 0.0 | 1404 | 0.0 | 1519 | 0.0 | 1621 | 0.0 | NA | NA |
| IMPL-L | 0720 | 0.0 | 0820 | 0.0 | 0919 | 0.0 | 1021 | 0.0 | 1120 | 0.0 | 1233 | 0.0 | 1405 | 0.0 | 1520 | 0.0 | 1622 | 0.0 | NA | NA |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

3/8/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 0700 | 0.0 | 0800 | 0.0 | 0900 | 0.0 | 1045 | 0.0 | 1215 | 0.0 | 1330 | 0.0 | 1445 | 0.0 | NA | NA | NA | NA | NA | NA |
| SAM-2 | 0708 | 0.0 | 0808 | 0.0 | 0908 | 0.0 | 1053 | 0.0 | 1223 | 0.0 | 1338 | 0.0 | 1453 | 0.0 | NA | NA | NA | NA | NA | NA |
| SAM-3 | 0704 | 0.0 | 0804 | 0.0 | 0904 | 0.0 | 1049 | 0.0 | 1219 | 0.0 | 1334 | 0.0 | 1449 | 0.0 | NA | NA | NA | NA | NA | NA |
| SAM-4 | 0702 | 0.0 | 0802 | 0.0 | 0902 | 0.0 | 1047 | 0.0 | 1217 | 0.0 | 1332 | 0.0 | 1447 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-A | 0709 | 0.0 | 0809 | 0.0 | 0909 | 0.0 | 1054 | 0.0 | 1224 | 0.0 | 1339 | 0.0 | 1454 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-B | 0710 | 0.0 | 0810 | 0.0 | 0910 | 0.0 | 1055 | 0.0 | 1225 | 0.0 | 1340 | 0.0 | 1455 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-C | 0711 | 0.0 | 0811 | 0.0 | 0911 | 0.0 | 1056 | 0.0 | 1226 | 0.0 | 1341 | 0.0 | 1456 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-D | 0712 | 0.0 | 0812 | 0.0 | 0912 | 0.0 | 1057 | 0.0 | 1227 | 0.0 | 1342 | 0.0 | 1457 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-E | 0713 | 0.0 | 0813 | 0.0 | 0913 | 0.0 | 1058 | 0.0 | 1228 | 0.0 | 1343 | 0.0 | 1458 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-F | 0714 | 0.0 | 0814 | 0.0 | 0914 | 0.0 | 1059 | 0.0 | 1229 | 0.0 | 1344 | 0.0 | 1459 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-G | 0715 | 0.0 | 0815 | 0.0 | 0915 | 0.0 | 1100 | 0.0 | 1230 | 0.0 | 1345 | 0.0 | 1500 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-H | 0716 | 0.0 | 0816 | 0.0 | 0916 | 0.0 | 1101 | 0.0 | 1231 | 0.0 | 1346 | 0.0 | 1501 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-I | 0717 | 0.0 | 0817 | 0.0 | 0917 | 0.0 | 1102 | 0.0 | 1232 | 0.0 | 1347 | 0.0 | 1502 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-J | 0718 | 0.0 | 0818 | 0.0 | 0918 | 0.0 | 1103 | 0.0 | 1233 | 0.0 | 1348 | 0.0 | 1503 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-K | 0719 | 0.0 | 0819 | 0.0 | 0919 | 0.0 | 1104 | 0.0 | 1234 | 0.0 | 1349 | 0.0 | 1504 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-L | 0720 | 0.0 | 0820 | 0.0 | 0920 | 0.0 | 1105 | 0.0 | 1235 | 0.0 | 1350 | 0.0 | 1505 | 0.0 | NA | NA | NA | NA | NA | NA |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 4:00 pm

3/9/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1200 | 0.0 | 1300 | 0.0 | 1500 | 0.0 | NA | NA | NA | NA |
| SAM-2 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1208 | 0.0 | 1308 | 0.0 | 1508 | 0.0 | NA | NA | NA | NA |
| SAM-3 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1204 | 0.0 | 1304 | 0.0 | 1504 | 0.0 | NA | NA | NA | NA |
| SAM-4 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1202 | 0.0 | 1302 | 0.0 | 1502 | 0.0 | NA | NA | NA | NA |
| IMPL-A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1209 | 0.0 | 1309 | 0.0 | 1509 | 0.0 | NA | NA | NA | NA |
| IMPL-B | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1210 | 0.0 | 1310 | 0.0 | 1510 | 0.0 | NA | NA | NA | NA |
| IMPL-C | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1211 | 0.0 | 1311 | 0.0 | 1512 | 0.0 | NA | NA | NA | NA |
| IMPL-D | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1212 | 0.0 | 1312 | 0.0 | 1513 | 0.0 | NA | NA | NA | NA |
| IMPL-E | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1213 | 0.0 | 1313 | 0.0 | 1514 | 0.0 | NA | NA | NA | NA |
| IMPL-F | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1214 | 0.0 | 1314 | 0.0 | 1515 | 0.0 | NA | NA | NA | NA |
| IMPL-G | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1215 | 0.0 | 1315 | 0.0 | 1516 | 0.0 | NA | NA | NA | NA |
| IMPL-H | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1216 | 0.0 | 1316 | 0.0 | 1517 | 0.0 | NA | NA | NA | NA |
| IMPL-I | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1217 | 0.0 | 1317 | 0.0 | 1518 | 0.0 | NA | NA | NA | NA |
| IMPL-J | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1218 | 0.0 | 1318 | 0.0 | 1519 | 0.0 | NA | NA | NA | NA |
| IMPL-K | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1219 | 0.0 | 1319 | 0.0 | 1520 | 0.0 | NA | NA | NA | NA |
| IMPL-L | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1220 | 0.0 | 1320 | 0.0 | 1521 | 0.0 | NA | NA | NA | NA |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 4:00 pm

3/10/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 0700 | 0.0 | 0800 | 0.0 | 900 | 0.0 | 1000 | 0.0 | 1100 | 0.0 | 1200 | 0.0 | 1300 | 0.0 | 1400 | 0.0 | 1500 | 0.0 | NA | NA |
| SAM-2 | 0707 | 0.0 | 0808 | 0.0 | 908 | 0.0 | 1008 | 0.0 | 1108 | 0.0 | 1209 | 0.0 | 1307 | 0.0 | 1408 | 0.0 | 1508 | 0.0 | NA | NA |
| SAM-3 | 0703 | 0.0 | 0804 | 0.0 | 904 | 0.0 | 1004 | 0.0 | 1104 | 0.0 | 1204 | 0.0 | 1304 | 0.0 | 1404 | 0.0 | 1504 | 0.0 | NA | NA |
| SAM-4 | 0702 | 0.0 | 0802 | 0.0 | 902 | 0.0 | 1002 | 0.0 | 1102 | 0.0 | 1202 | 0.0 | 1302 | 0.0 | 1402 | 0.0 | 1502 | 0.0 | NA | NA |
| IMPL-A | 0708 | 0.0 | 0809 | 0.0 | 909 | 0.0 | 1009 | 0.0 | 1109 | 0.0 | 1210 | 0.0 | 1308 | 0.0 | 1409 | 0.0 | 1509 | 0.0 | NA | NA |
| IMPL-B | 0709 | 0.0 | 0810 | 0.0 | 910 | 0.0 | 1010 | 0.0 | 1110 | 0.0 | 1211 | 0.0 | 1309 | 0.0 | 1410 | 0.0 | 1510 | 0.0 | NA | NA |
| IMPL-C | 0710 | 0.0 | 0811 | 0.0 | 911 | 0.0 | 1011 | 0.0 | 1111 | 0.0 | 1212 | 0.0 | 1310 | 0.0 | 1411 | 0.0 | 1511 | 0.0 | NA | NA |
| IMPL-D | 0711 | 0.0 | 0812 | 0.0 | 912 | 0.0 | 1012 | 0.0 | 1112 | 0.0 | 1213 | 0.0 | 1311 | 0.0 | 1412 | 0.0 | 1512 | 0.0 | NA | NA |
| IMPL-E | 0712 | 0.0 | 0813 | 0.0 | 913 | 0.0 | 1013 | 0.0 | 1113 | 0.0 | 1214 | 0.0 | 1312 | 0.0 | 1413 | 0.0 | 1513 | 0.0 | NA | NA |
| IMPL-F | 0713 | 0.0 | 0814 | 0.0 | 914 | 0.0 | 1014 | 0.0 | 1114 | 0.0 | 1215 | 0.0 | 1313 | 0.0 | 1414 | 0.0 | 1514 | 0.0 | NA | NA |
| IMPL-G | 0714 | 0.0 | 0815 | 0.0 | 915 | 0.0 | 1015 | 0.0 | 1115 | 0.0 | 1216 | 0.0 | 1314 | 0.0 | 1415 | 0.0 | 1515 | 0.0 | NA | NA |
| IMPL-H | 0715 | 0.0 | 0816 | 0.0 | 916 | 0.0 | 1016 | 0.0 | 1116 | 0.0 | 1218 | 0.0 | 1315 | 0.0 | 1416 | 0.0 | 1516 | 0.0 | NA | NA |
| IMPL-I | 0716 | 0.0 | 0817 | 0.0 | 917 | 0.0 | 1017 | 0.0 | 1117 | 0.0 | 1220 | 0.0 | 1316 | 0.0 | 1417 | 0.0 | 1517 | 0.0 | NA | NA |
| IMPL-J | 0717 | 0.0 | 0818 | 0.0 | 918 | 0.0 | 1018 | 0.0 | 1118 | 0.0 | 1221 | 0.0 | 1317 | 0.0 | 1418 | 0.0 | 1518 | 0.0 | NA | NA |
| IMPL-K | 0718 | 0.0 | 0819 | 0.0 | 919 | 0.0 | 1019 | 0.0 | 1119 | 0.0 | 1222 | 0.0 | 1318 | 0.0 | 1419 | 0.0 | 1519 | 0.0 | NA | NA |
| IMPL-L | 0719 | 0.0 | 0820 | 0.0 | 920 | 0.0 | 1020 | 0.0 | 1120 | 0.0 | 1223 | 0.0 | 1319 | 0.0 | 1420 | 0.0 | 1520 | 0.0 | NA | NA |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 4:00 pm

3/11/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 0730 | 0.0 | 0830 | 0.0 | NA | NA | 1000 | 0.0 | 1115 | 0.0 | NA | NA | 1300 | 0.0 | NA | NA | NA | NA | NA | NA |
| SAM-2 | 0738 | 0.0 | 0838 | 0.0 | NA | NA | 1008 | 0.0 | 1124 | 0.0 | NA | NA | 1310 | 0.0 | NA | NA | NA | NA | NA | NA |
| SAM-3 | 0734 | 0.0 | 0834 | 0.0 | NA | NA | 1004 | 0.0 | 1118 | 0.0 | NA | NA | 1303 | 0.0 | NA | NA | NA | NA | NA | NA |
| SAM-4 | 0732 | 0.0 | 0832 | 0.0 | NA | NA | 1002 | 0.0 | 1117 | 0.0 | NA | NA | 1301 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-A | 0739 | 0.0 | 0839 | 0.0 | NA | NA | 1009 | 0.0 | 1125 | 0.0 | NA | NA | 1311 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-B | 0740 | 0.0 | 0840 | 0.0 | NA | NA | 1010 | 0.0 | 1126 | 0.0 | NA | NA | 1312 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-C | 0741 | 0.0 | 0841 | 0.0 | NA | NA | 1011 | 0.0 | 1127 | 0.0 | NA | NA | 1313 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-D | 0742 | 0.0 | 0842 | 0.0 | NA | NA | 1012 | 0.0 | 1128 | 0.0 | NA | NA | 1314 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-E | 0743 | 0.0 | 0843 | 0.0 | NA | NA | 1013 | 0.0 | 1129 | 0.0 | NA | NA | 1315 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-F | 0744 | 0.0 | 0844 | 0.0 | NA | NA | 1014 | 0.0 | 1130 | 0.0 | NA | NA | 1316 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-G | 0745 | 0.0 | 0845 | 0.0 | NA | NA | 1015 | 0.0 | 1131 | 0.0 | NA | NA | 1317 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-H | 0746 | 0.0 | 0846 | 0.0 | NA | NA | 1016 | 0.0 | 1132 | 0.0 | NA | NA | 1318 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-I | 0747 | 0.0 | 0847 | 0.0 | NA | NA | 1017 | 0.0 | 1133 | 0.0 | NA | NA | 1319 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-J | 0748 | 0.0 | 0848 | 0.0 | NA | NA | 1018 | 0.0 | 1134 | 0.0 | NA | NA | 1320 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-K | 0749 | 0.0 | 0849 | 0.0 | NA | NA | 1019 | 0.0 | 1135 | 0.0 | NA | NA | 1322 | 0.0 | NA | NA | NA | NA | NA | NA |
| IMPL-L | 0750 | 0.0 | 0850 | 0.0 | NA | NA | 1020 | 0.0 | 1137 | 0.0 | NA | NA | 1323 | 0.0 | NA | NA | NA | NA | NA | NA |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 2:00 pm

3/14/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 700 | 0.0 | 800 | 0.0 | 900 | 0.0 | 1000 | 0.0 | 1130 | 0.0 | 1230 | 0.0 | 1330 | 0.0 | 1430 | 0.0 | NA | NA | NA | NA |
| SAM-2 | 708 | 0.0 | 808 | 0.0 | 908 | 0.0 | 1008 | 0.0 | 1138 | 0.0 | 1238 | 0.0 | 1338 | 0.0 | 1438 | 0.0 | NA | NA | NA | NA |
| SAM-3 | 704 | 0.0 | 804 | 0.0 | 904 | 0.0 | 1004 | 0.0 | 1134 | 0.0 | 1234 | 0.0 | 1334 | 0.0 | 1434 | 0.0 | NA | NA | NA | NA |
| SAM-4 | 702 | 0.0 | 802 | 0.0 | 902 | 0.0 | 1002 | 0.0 | 1132 | 0.0 | 1232 | 0.0 | 1332 | 0.0 | 1432 | 0.0 | NA | NA | NA | NA |
| IMPL-A | 709 | 0.0 | 809 | 0.0 | 909 | 0.0 | 1009 | 0.0 | 1139 | 0.0 | 1239 | 0.0 | 1339 | 0.0 | 1439 | 0.0 | NA | NA | NA | NA |
| IMPL-B | 710 | 0.0 | 810 | 0.0 | 910 | 0.0 | 1010 | 0.0 | 1140 | 0.0 | 1240 | 0.0 | 1340 | 0.0 | 1440 | 0.0 | NA | NA | NA | NA |
| IMPL-C | 711 | 0.0 | 811 | 0.0 | 911 | 0.0 | 1011 | 0.0 | 1141 | 0.0 | 1241 | 0.0 | 1341 | 0.0 | 1441 | 0.0 | NA | NA | NA | NA |
| IMPL-D | 712 | 0.0 | 812 | 0.0 | 912 | 0.0 | 1012 | 0.0 | 1142 | 0.0 | 1242 | 0.0 | 1342 | 0.0 | 1442 | 0.0 | NA | NA | NA | NA |
| IMPL-E | 713 | 0.0 | 813 | 0.0 | 913 | 0.0 | 1013 | 0.0 | 1143 | 0.0 | 1243 | 0.0 | 1343 | 0.0 | 1443 | 0.0 | NA | NA | NA | NA |
| IMPL-F | 714 | 0.0 | 814 | 0.0 | 914 | 0.0 | 1014 | 0.0 | 1144 | 0.0 | 1244 | 0.0 | 1344 | 0.0 | 1444 | 0.0 | NA | NA | NA | NA |
| IMPL-G | 715 | 0.0 | 815 | 0.0 | 915 | 0.0 | 1015 | 0.0 | 1145 | 0.0 | 1245 | 0.0 | 1345 | 0.0 | 1445 | 0.0 | NA | NA | NA | NA |
| IMPL-H | 716 | 0.0 | 816 | 0.0 | 916 | 0.0 | 1016 | 0.0 | 1146 | 0.0 | 1246 | 0.0 | 1346 | 0.0 | 1446 | 0.0 | NA | NA | NA | NA |
| IMPL-I | 717 | 0.0 | 817 | 0.0 | 917 | 0.0 | 1017 | 0.0 | 1147 | 0.0 | 1247 | 0.0 | 1347 | 0.0 | 1447 | 0.0 | NA | NA | NA | NA |
| IMPL-J | 718 | 0.0 | 818 | 0.0 | 918 | 0.0 | 1018 | 0.0 | 1148 | 0.0 | 1248 | 0.0 | 1348 | 0.0 | 1448 | 0.0 | NA | NA | NA | NA |
| IMPL-K | 719 | 0.0 | 819 | 0.0 | 919 | 0.0 | 1019 | 0.0 | 1149 | 0.0 | 1249 | 0.0 | 1349 | 0.0 | 1449 | 0.0 | NA | NA | NA | NA |
| IMPL-L | 720 | 0.0 | 820 | 0.0 | 920 | 0.0 | 1020 | 0.0 | 1150 | 0.0 | 1250 | 0.0 | 1350 | 0.0 | 1450 | 0.0 | NA | NA | NA | NA |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 3:00 pm

3/15/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 700 | 0.0 | 800 | 0.0 | 900 | 0.0 | 1000 | 0.0 | 1100 | 0.0 | 1230 | 0.0 | 1330 | 0.0 | 1500 | 0.0 | 1600 | 0.0 | NA | NA |
| SAM-2 | 708 | 0.0 | 807 | 0.0 | 907 | 0.0 | 1008 | 0.0 | 1108 | 0.0 | 1238 | 0.0 | 1338 | 0.0 | 1508 | 0.0 | 1608 | 0.0 | NA | NA |
| SAM-3 | 704 | 0.0 | 803 | 0.0 | 903 | 0.0 | 1004 | 0.0 | 1104 | 0.0 | 1234 | 0.0 | 1334 | 0.0 | 1504 | 0.0 | 1604 | 0.0 | NA | NA |
| SAM-4 | 702 | 0.0 | 801 | 0.0 | 901 | 0.0 | 1002 | 0.0 | 1102 | 0.0 | 1232 | 0.0 | 1332 | 0.0 | 1502 | 0.0 | 1602 | 0.0 | NA | NA |
| IMPL-A | 709 | 0.0 | 808 | 0.0 | 908 | 0.0 | 1009 | 0.0 | 1109 | 0.0 | 1239 | 0.0 | 1339 | 0.0 | 1509 | 0.0 | 1609 | 0.0 | NA | NA |
| IMPL-B | 710 | 0.0 | 809 | 0.0 | 909 | 0.0 | 1010 | 0.0 | 1110 | 0.0 | 1240 | 0.0 | 1340 | 0.0 | 1510 | 0.0 | 1610 | 0.0 | NA | NA |
| IMPL-C | 711 | 0.0 | 810 | 0.0 | 910 | 0.0 | 1011 | 0.0 | 1111 | 0.0 | 1241 | 0.0 | 1341 | 0.0 | 1511 | 0.0 | 1611 | 0.0 | NA | NA |
| IMPL-D | 712 | 0.0 | 811 | 0.0 | 911 | 0.0 | 1012 | 0.0 | 1112 | 0.0 | 1242 | 0.0 | 1342 | 0.0 | 1512 | 0.0 | 1612 | 0.0 | NA | NA |
| IMPL-E | 713 | 0.0 | 812 | 0.0 | 912 | 0.0 | 1013 | 0.0 | 1113 | 0.0 | 1243 | 0.0 | 1343 | 0.0 | 1513 | 0.0 | 1613 | 0.0 | NA | NA |
| IMPL-F | 714 | 0.0 | 813 | 0.0 | 913 | 0.0 | 1014 | 0.0 | 1114 | 0.0 | 1244 | 0.0 | 1344 | 0.0 | 1514 | 0.0 | 1614 | 0.0 | NA | NA |
| IMPL-G | 715 | 0.0 | 814 | 0.0 | 914 | 0.0 | 1015 | 0.0 | 1115 | 0.0 | 1245 | 0.0 | 1345 | 0.0 | 1515 | 0.0 | 1615 | 0.0 | NA | NA |
| IMPL-H | 716 | 0.0 | 815 | 0.0 | 915 | 0.0 | 1016 | 0.0 | 1116 | 0.0 | 1246 | 0.0 | 1346 | 0.0 | 1516 | 0.0 | 1616 | 0.0 | NA | NA |
| IMPL-I | 717 | 0.0 | 816 | 0.0 | 916 | 0.0 | 1017 | 0.0 | 1117 | 0.0 | 1247 | 0.0 | 1347 | 0.0 | 1517 | 0.0 | 1617 | 0.0 | NA | NA |
| IMPL-J | 718 | 0.0 | 817 | 0.0 | 917 | 0.0 | 1018 | 0.0 | 1118 | 0.0 | 1248 | 0.0 | 1348 | 0.0 | 1518 | 0.0 | 1618 | 0.0 | NA | NA |
| IMPL-K | 719 | 0.0 | 818 | 0.0 | 918 | 0.0 | 1019 | 0.0 | 1119 | 0.0 | 1249 | 0.0 | 1349 | 0.0 | 1519 | 0.0 | 1619 | 0.0 | NA | NA |
| IMPL-L | 720 | 0.0 | 819 | 0.0 | 919 | 0.0 | 1020 | 0.0 | 1120 | 0.0 | 1250 | 0.0 | 1350 | 0.0 | 1520 | 0.0 | 1620 | 0.0 | NA | NA |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

3/16/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 700 | 0.0 | 815 | 0.0 | 930 | 0.0 | NA | NA | 1115 | 0.0 | 1215 | 0.0 | 1330 | 0.0 | 1430 | 0.0 | NA | NA | 1600 | 0.0 |
| SAM-2 | 710 | 0.0 | 822 | 0.0 | 938 | 0.0 | NA | NA | 1123 | 0.0 | 1225 | 0.0 | 1337 | 0.0 | 1438 | 0.0 | NA | NA | 1610 | 0.0 |
| SAM-3 | 705 | 0.0 | 818 | 0.0 | 934 | 0.0 | NA | NA | 1119 | 0.0 | 1220 | 0.0 | 1333 | 0.0 | 1434 | 0.0 | NA | NA | 1605 | 0.0 |
| SAM-4 | 703 | 0.0 | 816 | 0.0 | 932 | 0.0 | NA | NA | 1117 | 0.0 | 1218 | 0.0 | 1331 | 0.0 | 1432 | 0.0 | NA | NA | 1603 | 0.0 |
| IMPL-A | 711 | 0.0 | 823 | 0.0 | 939 | 0.0 | NA | NA | 1124 | 0.0 | 1226 | 0.0 | 1338 | 0.0 | 1439 | 0.0 | NA | NA | 1611 | 0.0 |
| IMPL-B | 712 | 0.0 | 824 | 0.0 | 940 | 0.0 | NA | NA | 1125 | 0.0 | 1227 | 0.0 | 1339 | 0.0 | 1440 | 0.0 | NA | NA | 1612 | 0.0 |
| IMPL-C | 713 | 0.0 | 825 | 0.0 | 941 | 0.0 | NA | NA | 1126 | 0.0 | 1228 | 0.0 | 1340 | 0.0 | 1441 | 0.0 | NA | NA | 1613 | 0.0 |
| IMPL-D | 714 | 0.0 | 826 | 0.0 | 942 | 0.0 | NA | NA | 1127 | 0.0 | 1229 | 0.0 | 1341 | 0.0 | 1442 | 0.0 | NA | NA | 1614 | 0.0 |
| IMPL-E | 715 | 0.0 | 827 | 0.0 | 943 | 0.0 | NA | NA | 1128 | 0.0 | 1230 | 0.0 | 1342 | 0.0 | 1443 | 0.0 | NA | NA | 1615 | 0.0 |
| IMPL-F | 716 | 0.0 | 828 | 0.0 | 944 | 0.0 | NA | NA | 1129 | 0.0 | 1231 | 0.0 | 1343 | 0.0 | 1444 | 0.0 | NA | NA | 1616 | 0.0 |
| IMPL-G | 717 | 0.0 | 829 | 0.0 | 945 | 0.0 | NA | NA | 1130 | 0.0 | 1232 | 0.0 | 1344 | 0.0 | 1445 | 0.0 | NA | NA | 1617 | 0.0 |
| IMPL-H | 718 | 0.0 | 830 | 0.0 | 946 | 0.0 | NA | NA | 1131 | 0.0 | 1233 | 0.0 | 1345 | 0.0 | 1446 | 0.0 | NA | NA | 1618 | 0.0 |
| IMPL-I | 720 | 0.0 | 831 | 0.0 | 947 | 0.0 | NA | NA | 1132 | 0.0 | 1235 | 0.0 | 1346 | 0.0 | 1447 | 0.0 | NA | NA | 1620 | 0.0 |
| IMPL-J | 721 | 0.0 | 832 | 0.0 | 948 | 0.0 | NA | NA | 1133 | 0.0 | 1236 | 0.0 | 1347 | 0.0 | 1448 | 0.0 | NA | NA | 1621 | 0.0 |
| IMPL-K | 722 | 0.0 | 833 | 0.0 | 949 | 0.0 | NA | NA | 1134 | 0.0 | 1237 | 0.0 | 1348 | 0.0 | 1449 | 0.0 | NA | NA | 1622 | 0.0 |
| IMPL-L | 723 | 0.0 | 834 | 0.0 | 950 | 0.0 | NA | NA | 1135 | 0.0 | 1238 | 0.0 | 1349 | 0.0 | 1450 | 0.0 | NA | NA | 1623 | 0.0 |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

3/17/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 700 | 0.0 | 800 | 0.0 | 900 | 0.0 | 1000 | 0.0 | 1100 | 0.0 | 1200 | 0.0 | 1300 | 0.0 | 1400 | 0.0 | 1520 | 0.0 | 1615 | 0.0 |
| SAM-2 | 708 | 0.0 | 810 | 0.0 | 910 | 0.0 | 1008 | 0.0 | 1107 | 0.0 | 1208 | 0.0 | 1308 | 0.0 | 1408 | 0.0 | 1530 | 0.0 | 1622 | 0.0 |
| SAM-3 | 704 | 0.0 | 805 | 0.0 | 905 | 0.0 | 1004 | 0.0 | 1103 | 0.0 | 1204 | 0.0 | 1304 | 0.0 | 1404 | 0.0 | 1525 | 0.0 | 1618 | 0.0 |
| SAM-4 | 702 | 0.0 | 803 | 0.0 | 903 | 0.0 | 1002 | 0.0 | 1101 | 0.0 | 1202 | 0.0 | 1302 | 0.0 | 1402 | 0.0 | 1523 | 0.0 | 1616 | 0.0 |
| IMPL-A | 709 | 0.0 | 811 | 0.1 | 911 | 0.0 | 1009 | 0.0 | 1108 | 0.0 | 1209 | 0.0 | 1309 | 0.0 | 1409 | 0.0 | 1531 | 0.0 | 1623 | 0.0 |
| IMPL-B | 710 | 0.0 | 812 | 0.0 | 912 | 0.0 | 1010 | 0.0 | 1109 | 0.0 | 1210 | 0.0 | 1310 | 0.0 | 1410 | 0.0 | 1532 | 0.0 | 1624 | 0.0 |
| IMPL-C | 711 | 0.0 | 813 | 0.0 | 913 | 0.0 | 1011 | 0.0 | 1110 | 0.0 | 1211 | 0.0 | 1311 | 0.0 | 1411 | 0.0 | 1533 | 0.0 | 1625 | 0.0 |
| IMPL-D | 712 | 0.0 | 814 | 0.0 | 914 | 0.0 | 1012 | 0.0 | 1111 | 0.0 | 1212 | 0.0 | 1312 | 0.0 | 1412 | 0.0 | 1534 | 0.0 | 1626 | 0.0 |
| IMPL-E | 713 | 0.0 | 815 | 0.0 | 915 | 0.0 | 1013 | 0.0 | 1112 | 0.0 | 1213 | 0.0 | 1313 | 0.0 | 1413 | 0.0 | 1535 | 0.0 | 1627 | 0.0 |
| IMPL-F | 714 | 0.0 | 816 | 0.0 | 916 | 0.0 | 1014 | 0.0 | 1113 | 0.0 | 1214 | 0.0 | 1314 | 0.0 | 1414 | 0.0 | 1536 | 0.0 | 1628 | 0.0 |
| IMPL-G | 715 | 0.0 | 817 | 0.0 | 917 | 0.0 | 1015 | 0.0 | 1114 | 0.0 | 1215 | 0.0 | 1315 | 0.0 | 1415 | 0.0 | 1537 | 0.0 | 1629 | 0.0 |
| IMPL-H | 716 | 0.0 | 818 | 0.0 | 918 | 0.0 | 1016 | 0.0 | 1115 | 0.0 | 1216 | 0.0 | 1316 | 0.0 | 1416 | 0.0 | 1538 | 0.0 | 1630 | 0.0 |
| IMPL-I | 717 | 0.0 | 820 | 0.0 | 920 | 0.0 | 1017 | 0.0 | 1116 | 0.0 | 1217 | 0.0 | 1317 | 0.0 | 1417 | 0.0 | 1540 | 0.0 | 1631 | 0.0 |
| IMPL-J | 718 | 0.0 | 821 | 0.0 | 921 | 0.0 | 1018 | 0.0 | 1117 | 0.0 | 1218 | 0.0 | 1318 | 0.0 | 1418 | 0.0 | 1541 | 0.0 | 1632 | 0.0 |
| IMPL-K | 719 | 0.0 | 822 | 0.0 | 922 | 0.0 | 1019 | 0.0 | 1118 | 0.0 | 1219 | 0.0 | 1319 | 0.0 | 1419 | 0.0 | 1542 | 0.0 | 1633 | 0.0 |
| IMPL-L | 720 | 0.0 | 823 | 0.0 | 923 | 0.0 | 1020 | 0.0 | 1119 | 0.0 | 1220 | 0.0 | 1320 | 0.0 | 1420 | 0.0 | 1543 | 0.0 | 1634 | 0.0 |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

3/18/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 700 | 0.0 | 800 | 0.0 | 900 | 0.0 | NA | NA | 1100 | 0.0 | 1200 | 0.0 | 1300 | 0.0 | 1400 | 0.0 | 1500 | 0.0 | NA | NA |
| SAM-2 | 708 | 0.0 | 808 | 0.0 | 908 | 0.0 | NA | NA | 1107 | 0.0 | 1208 | 0.0 | 1308 | 0.0 | 1408 | 0.0 | 1507 | 0.0 | NA | NA |
| SAM-3 | 704 | 0.0 | 804 | 0.0 | 904 | 0.0 | NA | NA | 1103 | 0.0 | 1204 | 0.0 | 1304 | 0.0 | 1404 | 0.0 | 1503 | 0.0 | NA | NA |
| SAM-4 | 702 | 0.0 | 802 | 0.0 | 902 | 0.0 | NA | NA | 1101 | 0.0 | 1202 | 0.0 | 1302 | 0.0 | 1402 | 0.0 | 1501 | 0.0 | NA | NA |
| IMPL-A | 709 | 0.0 | 809 | 0.0 | 909 | 0.0 | NA | NA | 1108 | 0.0 | 1209 | 0.0 | 1309 | 0.0 | 1409 | 0.0 | 1508 | 0.0 | NA | NA |
| IMPL-B | 710 | 0.0 | 810 | 0.0 | 910 | 0.0 | NA | NA | 1109 | 0.0 | 1210 | 0.0 | 1310 | 0.0 | 1410 | 0.0 | 1509 | 0.0 | NA | NA |
| IMPL-C | 711 | 0.0 | 811 | 0.0 | 911 | 0.0 | NA | NA | 1110 | 0.0 | 1211 | 0.0 | 1311 | 0.0 | 1411 | 0.0 | 1510 | 0.0 | NA | NA |
| IMPL-D | 712 | 0.0 | 812 | 0.0 | 912 | 0.0 | NA | NA | 1111 | 0.0 | 1212 | 0.0 | 1312 | 0.0 | 1412 | 0.0 | 1511 | 0.0 | NA | NA |
| IMPL-E | 713 | 0.0 | 813 | 0.0 | 913 | 0.0 | NA | NA | 1112 | 0.0 | 1213 | 0.0 | 1313 | 0.0 | 1413 | 0.0 | 1512 | 0.0 | NA | NA |
| IMPL-F | 714 | 0.0 | 814 | 0.0 | 914 | 0.0 | NA | NA | 1113 | 0.0 | 1214 | 0.0 | 1314 | 0.0 | 1414 | 0.0 | 1513 | 0.0 | NA | NA |
| IMPL-G | 715 | 0.0 | 815 | 0.0 | 915 | 0.0 | NA | NA | 1114 | 0.0 | 1215 | 0.0 | 1315 | 0.0 | 1415 | 0.0 | 1514 | 0.0 | NA | NA |
| IMPL-H | 716 | 0.0 | 816 | 0.0 | 916 | 0.0 | NA | NA | 1115 | 0.0 | 1216 | 0.0 | 1316 | 0.0 | 1416 | 0.0 | 1515 | 0.0 | NA | NA |
| IMPL-I | 717 | 0.0 | 817 | 0.0 | 917 | 0.0 | NA | NA | 1116 | 0.0 | 1217 | 0.0 | 1317 | 0.0 | 1417 | 0.0 | 1516 | 0.0 | NA | NA |
| IMPL-J | 718 | 0.0 | 818 | 0.0 | 918 | 0.0 | NA | NA | 1117 | 0.0 | 1218 | 0.0 | 1318 | 0.0 | 1418 | 0.0 | 1517 | 0.0 | NA | NA |
| IMPL-K | 719 | 0.0 | 819 | 0.0 | 919 | 0.0 | NA | NA | 1118 | 0.0 | 1219 | 0.0 | 1319 | 0.0 | 1419 | 0.0 | 1518 | 0.0 | NA | NA |
| IMPL-L | 720 | 0.0 | 820 | 0.0 | 920 | 0.0 | NA | NA | 1119 | 0.0 | 1220 | 0.0 | 1320 | 0.0 | 1420 | 0.0 | 1519 | 0.0 | NA | NA |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 4:00 pm

3/21/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 737 | 0.0 | 807 | 0.0 | 935 | 0.0 | 1005 | 0.0 | 1105 | 0.0 | 1206 | 0.0 | 1306 | 0.0 | 1408 | 0.0 | 1505 | 0.0 | NA | NA |
| SAM-2 | 732 | 0.0 | 802 | 0.0 | 931 | 0.0 | 1001 | 0.0 | 1101 | 0.0 | 1201 | 0.0 | 1302 | 0.0 | 1402 | 0.0 | 1501 | 0.0 | NA | NA |
| SAM-3 | 748 | 0.0 | 818 | 0.0 | 944 | 0.0 | 1013 | 0.0 | 1113 | 0.0 | 1212 | 0.0 | 1320 | 0.0 | 1418 | 0.0 | 1513 | 0.0 | NA | NA |
| SAM-4 | 741 | 0.0 | 811 | 0.0 | 938 | 0.0 | 1008 | 0.0 | 1108 | 0.0 | 1207 | 0.0 | 1311 | 0.0 | 1412 | 0.0 | 1508 | 0.0 | NA | NA |
| IMPL-A | 730 | 0.0 | 800 | 0.0 | 930 | 0.0 | 1000 | 0.0 | 1100 | 0.0 | 1200 | 0.0 | 1300 | 0.0 | 1400 | 0.0 | 1500 | 0.0 | NA | NA |
| IMPL-B | 733 | 0.0 | 803 | 0.0 | 932 | 0.0 | 1002 | 0.0 | 1102 | 0.0 | 1202 | 0.0 | 1303 | 0.0 | 1403 | 0.0 | 1502 | 0.0 | NA | NA |
| IMPL-C | 734 | 0.0 | 804 | 0.0 | 933 | 0.0 | 1003 | 0.0 | 1103 | 0.0 | 1203 | 0.0 | 1304 | 0.0 | 1404 | 0.0 | 1503 | 0.0 | NA | NA |
| IMPL-D | 735 | 0.0 | 805 | 0.0 | 934 | 0.0 | 1004 | 0.0 | 1104 | 0.0 | 1205 | 0.0 | 1304 | 0.0 | 1406 | 0.0 | 1504 | 0.0 | NA | NA |
| IMPL-E | 738 | 0.0 | 808 | 0.0 | 936 | 0.0 | 1006 | 0.0 | 1106 | 0.0 | 1205 | 0.0 | 1308 | 0.0 | 1410 | 0.0 | 1506 | 0.0 | NA | NA |
| IMPL-F | 740 | 0.0 | 810 | 0.0 | 937 | 0.0 | 1007 | 0.0 | 1107 | 0.0 | 1206 | 0.0 | 1310 | 0.0 | 1411 | 0.0 | 1507 | 0.0 | NA | NA |
| IMPL-G | 742 | 0.0 | 812 | 0.0 | 939 | 0.0 | 1009 | 0.0 | 1109 | 0.0 | 1208 | 0.0 | 1312 | 0.0 | 1413 | 0.0 | 1509 | 0.0 | NA | NA |
| IMPL-H | 743 | 0.0 | 813 | 0.0 | 940 | 0.0 | 1010 | 0.0 | 1110 | 0.0 | 1209 | 0.0 | 1313 | 0.0 | 1414 | 0.0 | 1510 | 0.0 | NA | NA |
| IMPL-I | 744 | 0.0 | 814 | 0.0 | 941 | 0.0 | 1011 | 0.0 | 1111 | 0.0 | 1210 | 0.0 | 1314 | 0.0 | 1415 | 0.0 | 1511 | 0.0 | NA | NA |
| IMPL-J | 746 | 0.0 | 816 | 0.0 | 942 | 0.0 | 1012 | 0.0 | 1112 | 0.0 | 1211 | 0.0 | 1316 | 0.0 | 1416 | 0.0 | 1512 | 0.0 | NA | NA |
| IMPL-K | 749 | 0.0 | 819 | 0.0 | 945 | 0.0 | 1014 | 0.0 | 1114 | 0.0 | 1213 | 0.0 | 1322 | 0.0 | 1419 | 0.0 | 1514 | 0.0 | NA | NA |
| IMPL-L | 750 | 0.0 | 820 | 0.0 | 946 | 0.0 | 1015 | 0.0 | 1115 | 0.0 | 1214 | 0.0 | 1323 | 0.0 | 1420 | 0.0 | 1515 | 0.0 | NA | NA |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 4:00 pm

3/22/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 737 | 0.0 | 807 | 0.0 | 935 | 0.0 | 1005 | 0.0 | 1105 | 0.0 | 1206 | 0.0 | 1306 | 0.0 | 1408 | 0.0 | 1505 | 0.0 | 1605 | 0.0 |
| SAM-2 | 732 | 0.0 | 802 | 0.0 | 931 | 0.0 | 1001 | 0.0 | 1101 | 0.0 | 1201 | 0.0 | 1302 | 0.0 | 1402 | 0.0 | 1501 | 0.0 | 1601 | 0.0 |
| SAM-3 | 748 | 0.0 | 818 | 0.0 | 944 | 0.0 | 1013 | 0.0 | 1113 | 0.0 | 1212 | 0.0 | 1320 | 0.0 | 1418 | 0.0 | 1513 | 0.0 | 1613 | 0.0 |
| SAM-4 | 741 | 0.0 | 811 | 0.0 | 938 | 0.0 | 1008 | 0.0 | 1108 | 0.0 | 1207 | 0.0 | 1311 | 0.0 | 1412 | 0.0 | 1508 | 0.0 | 1608 | 0.0 |
| IMPL-A | 730 | 0.0 | 800 | 0.0 | 930 | 0.0 | 1000 | 0.0 | 1100 | 0.0 | 1200 | 0.0 | 1300 | 0.0 | 1400 | 0.0 | 1500 | 0.0 | 1600 | 0.0 |
| IMPL-B | 733 | 0.0 | 803 | 0.0 | 932 | 0.0 | 1002 | 0.0 | 1102 | 0.0 | 1202 | 0.0 | 1303 | 0.0 | 1403 | 0.0 | 1502 | 0.0 | 1602 | 0.0 |
| IMPL-C | 734 | 0.0 | 804 | 0.0 | 933 | 0.0 | 1003 | 0.0 | 1103 | 0.0 | 1203 | 0.0 | 1304 | 0.0 | 1404 | 0.0 | 1503 | 0.0 | 1603 | 0.0 |
| IMPL-D | 735 | 0.0 | 805 | 0.0 | 934 | 0.0 | 1004 | 0.0 | 1104 | 0.0 | 1205 | 0.0 | 1304 | 0.0 | 1406 | 0.0 | 1504 | 0.0 | 1604 | 0.0 |
| IMPL-E | 738 | 0.0 | 808 | 0.0 | 936 | 0.0 | 1006 | 0.0 | 1106 | 0.0 | 1205 | 0.0 | 1308 | 0.0 | 1410 | 0.0 | 1506 | 0.0 | 1606 | 0.0 |
| IMPL-F | 740 | 0.0 | 810 | 0.0 | 937 | 0.0 | 1007 | 0.0 | 1107 | 0.0 | 1206 | 0.0 | 1310 | 0.0 | 1411 | 0.0 | 1507 | 0.0 | 1607 | 0.0 |
| IMPL-G | 742 | 0.0 | 812 | 0.0 | 939 | 0.0 | 1009 | 0.0 | 1109 | 0.0 | 1208 | 0.0 | 1312 | 0.0 | 1413 | 0.0 | 1509 | 0.0 | 1609 | 0.0 |
| IMPL-H | 743 | 0.0 | 813 | 0.0 | 940 | 0.0 | 1010 | 0.0 | 1110 | 0.0 | 1209 | 0.0 | 1313 | 0.0 | 1414 | 0.0 | 1510 | 0.0 | 1610 | 0.0 |
| IMPL-I | 744 | 0.0 | 814 | 0.0 | 941 | 0.0 | 1011 | 0.0 | 1111 | 0.0 | 1210 | 0.0 | 1314 | 0.0 | 1415 | 0.0 | 1511 | 0.0 | 1611 | 0.0 |
| IMPL-J | 746 | 0.0 | 816 | 0.0 | 942 | 0.0 | 1012 | 0.0 | 1112 | 0.0 | 1211 | 0.0 | 1316 | 0.0 | 1416 | 0.0 | 1512 | 0.0 | 1612 | 0.0 |
| IMPL-K | 749 | 0.0 | 819 | 0.2 | 945 | 0.2 | 1014 | 0.1 | 1114 | 0.0 | 1213 | 0.0 | 1322 | 0.0 | 1419 | 0.0 | 1514 | 0.1 | 1614 | 0.1 |
| IMPL-L | 750 | 0.0 | 820 | 0.2 | 946 | 0.2 | 1015 | 0.1 | 1115 | 0.0 | 1214 | 0.0 | 1323 | 0.0 | 1420 | 0.0 | 1515 | 0.1 | 1615 | 0.1 |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

3/23/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 807 | 0.0 | 935 | 0.0 | 1005 | 0.0 | 1105 | 0.0 | 1206 | 0.0 | 1306 | 0.0 | 1408 | 0.0 | 1505 | 0.0 | 1605 | 0.0 | NA | NA |
| SAM-2 | 802 | 0.0 | 931 | 0.0 | 1001 | 0.0 | 1101 | 0.0 | 1201 | 0.0 | 1302 | 0.0 | 1402 | 0.0 | 1501 | 0.0 | 1601 | 0.0 | NA | NA |
| SAM-3 | 818 | 0.0 | 944 | 0.0 | 1013 | 0.0 | 1113 | 0.0 | 1212 | 0.0 | 1320 | 0.0 | 1418 | 0.0 | 1513 | 0.0 | 1613 | 0.0 | NA | NA |
| SAM-4 | 811 | 0.0 | 938 | 0.0 | 1008 | 0.0 | 1108 | 0.0 | 1207 | 0.0 | 1311 | 0.0 | 1412 | 0.0 | 1508 | 0.0 | 1608 | 0.0 | NA | NA |
| IMPL-A | 800 | 0.0 | 930 | 0.0 | 1000 | 0.0 | 1100 | 0.0 | 1200 | 0.0 | 1300 | 0.0 | 1400 | 0.0 | 1500 | 0.0 | 1600 | 0.0 | NA | NA |
| IMPL-B | 803 | 0.0 | 932 | 0.0 | 1002 | 0.0 | 1102 | 0.0 | 1202 | 0.0 | 1303 | 0.0 | 1403 | 0.0 | 1502 | 0.0 | 1602 | 0.0 | NA | NA |
| IMPL-C | 804 | 0.0 | 933 | 0.0 | 1003 | 0.0 | 1103 | 0.0 | 1203 | 0.0 | 1304 | 0.0 | 1404 | 0.0 | 1503 | 0.0 | 1603 | 0.0 | NA | NA |
| IMPL-D | 805 | 0.0 | 934 | 0.0 | 1004 | 0.0 | 1104 | 0.0 | 1205 | 0.0 | 1304 | 0.0 | 1406 | 0.0 | 1504 | 0.0 | 1604 | 0.0 | NA | NA |
| IMPL-E | 808 | 0.0 | 936 | 0.0 | 1006 | 0.0 | 1106 | 0.0 | 1205 | 0.0 | 1308 | 0.0 | 1410 | 0.0 | 1506 | 0.0 | 1606 | 0.0 | NA | NA |
| IMPL-F | 810 | 0.0 | 937 | 0.0 | 1007 | 0.0 | 1107 | 0.0 | 1206 | 0.0 | 1310 | 0.0 | 1411 | 0.0 | 1507 | 0.0 | 1607 | 0.0 | NA | NA |
| IMPL-G | 812 | 0.0 | 939 | 0.0 | 1009 | 0.0 | 1109 | 0.0 | 1208 | 0.0 | 1312 | 0.0 | 1413 | 0.0 | 1509 | 0.0 | 1609 | 0.0 | NA | NA |
| IMPL-H | 813 | 0.0 | 940 | 0.0 | 1010 | 0.0 | 1110 | 0.0 | 1209 | 0.0 | 1313 | 0.0 | 1414 | 0.0 | 1510 | 0.0 | 1610 | 0.0 | NA | NA |
| IMPL-I | 814 | 0.0 | 941 | 0.0 | 1011 | 0.0 | 1111 | 0.0 | 1210 | 0.0 | 1314 | 0.0 | 1415 | 0.0 | 1511 | 0.0 | 1611 | 0.0 | NA | NA |
| IMPL-J | 816 | 0.0 | 942 | 0.0 | 1012 | 0.0 | 1112 | 0.0 | 1211 | 0.0 | 1316 | 0.0 | 1416 | 0.0 | 1512 | 0.0 | 1612 | 0.0 | NA | NA |
| IMPL-K | 819 | 0.2 | 945 | 0.2 | 1014 | 0.1 | 1114 | 0.1 | 1213 | 0.1 | 1322 | 0.1 | 1419 | 0.0 | 1514 | 0.0 | 1614 | 0.0 | NA | NA |
| IMPL-L | 820 | 0.2 | 946 | 0.2 | 1015 | 0.1 | 1115 | 0.1 | 1214 | 0.1 | 1323 | 0.1 | 1420 | 0.0 | 1515 | 0.0 | 1615 | 0.0 | NA | NA |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

3/24/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 735 | 0.0 | 807 | 0.0 | 935 | 0.0 | 1005 | 0.0 | 1105 | 0.0 | 1206 | 0.0 | 1306 | 0.0 | 1408 | 0.0 | 1505 | 0.0 | 1605 | 0.0 |
| SAM-2 | 732 | 0.0 | 802 | 0.1 | 931 | 0.1 | 1001 | 0.1 | 1101 | 0.0 | 1201 | 0.0 | 1302 | 0.0 | 1402 | 0.0 | 1501 | 0.0 | 1601 | 0.0 |
| SAM-3 | 746 | 0.0 | 818 | 0.0 | 944 | 0.0 | 1013 | 0.0 | 1113 | 0.0 | 1212 | 0.0 | 1320 | 0.0 | 1418 | 0.0 | 1513 | 0.0 | 1613 | 0.0 |
| SAM-4 | 739 | 0.0 | 811 | 0.0 | 938 | 0.0 | 1008 | 0.0 | 1108 | 0.0 | 1207 | 0.0 | 1311 | 0.0 | 1412 | 0.0 | 1508 | 0.0 | 1608 | 0.0 |
| IMPL-A | 730 | 0.2 | 800 | 0.2 | 930 | 0.2 | 1000 | 0.3 | 1100 | 0.1 | 1200 | 0.0 | 1300 | 0.1 | 1400 | 0.0 | 1500 | 0.0 | 1600 | 0.0 |
| IMPL-B | 731 | 0.2 | 803 | 0.2 | 932 | 0.2 | 1002 | 0.3 | 1102 | 0.1 | 1202 | 0.1 | 1303 | 0.1 | 1403 | 0.2 | 1502 | 0.1 | 1602 | 0.0 |
| IMPL-C | 732 | 0.0 | 804 | 0.1 | 933 | 0.2 | 1003 | 0.3 | 1103 | 0.1 | 1203 | 0.1 | 1304 | 0.1 | 1404 | 0.2 | 1503 | 0.1 | 1603 | 0.0 |
| IMPL-D | 733 | 0.0 | 805 | 0.0 | 934 | 0.0 | 1004 | 0.0 | 1104 | 0.0 | 1205 | 0.1 | 1304 | 0.0 | 1406 | 0.1 | 1504 | 0.1 | 1604 | 0.0 |
| IMPL-E | 736 | 0.0 | 808 | 0.0 | 936 | 0.0 | 1006 | 0.0 | 1106 | 0.0 | 1205 | 0.0 | 1308 | 0.0 | 1410 | 0.0 | 1506 | 0.0 | 1606 | 0.0 |
| IMPL-F | 738 | 0.0 | 810 | 0.0 | 937 | 0.0 | 1007 | 0.0 | 1107 | 0.0 | 1206 | 0.0 | 1310 | 0.0 | 1411 | 0.0 | 1507 | 0.0 | 1607 | 0.0 |
| IMPL-G | 740 | 0.0 | 812 | 0.0 | 939 | 0.0 | 1009 | 0.0 | 1109 | 0.0 | 1208 | 0.0 | 1312 | 0.0 | 1413 | 0.0 | 1509 | 0.0 | 1609 | 0.0 |
| IMPL-H | 741 | 0.0 | 813 | 0.0 | 940 | 0.0 | 1010 | 0.0 | 1110 | 0.0 | 1209 | 0.0 | 1313 | 0.0 | 1414 | 0.0 | 1510 | 0.0 | 1610 | 0.0 |
| IMPL-I | 742 | 0.0 | 814 | 0.0 | 941 | 0.0 | 1011 | 0.0 | 1111 | 0.0 | 1210 | 0.0 | 1314 | 0.0 | 1415 | 0.0 | 1511 | 0.0 | 1611 | 0.0 |
| IMPL-J | 744 | 0.0 | 816 | 0.0 | 942 | 0.0 | 1012 | 0.0 | 1112 | 0.0 | 1211 | 0.0 | 1316 | 0.0 | 1416 | 0.0 | 1512 | 0.0 | 1612 | 0.0 |
| IMPL-K | 747 | 0.0 | 819 | 0.0 | 945 | 0.2 | 1014 | 0.0 | 1114 | 0.0 | 1213 | 0.0 | 1322 | 0.0 | 1419 | 0.0 | 1514 | 0.0 | 1614 | 0.0 |
| IMPL-L | 748 | 0.0 | 820 | 0.0 | 946 | 0.2 | 1015 | 0.1 | 1115 | 0.0 | 1214 | 0.0 | 1323 | 0.0 | 1420 | 0.0 | 1515 | 0.0 | 1615 | 0.0 |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

3/25/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 735 | 0.0 | 807 | 0.0 | 935 | 0.0 | 1005 | 0.0 | 1105 | 0.0 | 1206 | 0.0 | 1302 | 0.0 | 1408 | 0.0 | NA | NA | NA | NA |
| SAM-2 | 732 | 0.0 | 802 | 0.0 | 931 | 0.0 | 1001 | 0.0 | 1101 | 0.0 | 1201 | 0.0 | 1320 | 0.0 | 1402 | 0.0 | NA | NA | NA | NA |
| SAM-3 | 746 | 0.0 | 818 | 0.0 | 944 | 0.0 | 1013 | 0.0 | 1113 | 0.0 | 1212 | 0.0 | 1311 | 0.0 | 1418 | 0.0 | NA | NA | NA | NA |
| SAM-4 | 739 | 0.0 | 811 | 0.0 | 938 | 0.0 | 1008 | 0.0 | 1108 | 0.0 | 1207 | 0.0 | 1300 | 0.0 | 1412 | 0.0 | NA | NA | NA | NA |
| IMPL-A | 730 | 0.0 | 800 | 0.0 | 930 | 0.4 | 1000 | 0.0 | 1100 | 0.0 | 1200 | 0.0 | 1303 | 0.1 | 1400 | 0.0 | NA | NA | NA | NA |
| IMPL-B | 731 | 0.0 | 803 | 0.0 | 932 | 0.5 - 7.6 | 1002 | 0.2 | 1102 | 0.2 | 1202 | 0.0 | 1304 | 0.2 | 1403 | 0.0 | NA | NA | NA | NA |
| IMPL-C | 732 | 0.0 | 804 | 0.0 | 933 | 0.5 - 7.6 | 1003 | 0.2 | 1103 | 0.2 | 1203 | 0.0 | 1304 | 0.2 | 1404 | 0.1 | NA | NA | NA | NA |
| IMPL-D | 733 | 0.0 | 805 | 0.0 | 934 | 0.5 - 7.6 | 1004 | 0.2 | 1104 | 0.2 | 1205 | 0.0 | 1308 | 0.0 | 1406 | 0.1 | NA | NA | NA | NA |
| IMPL-E | 736 | 0.0 | 808 | 0.0 | 936 | 0.5 - 7.6 | 1006 | 0.2 | 1106 | 0.3 | 1205 | 0.1 | 1310 | 0.0 | 1410 | 0.1 | NA | NA | NA | NA |
| IMPL-F | 738 | 0.0 | 810 | 0.0 | 937 | 0.0 | 1007 | 0.0 | 1107 | 0.0 | 1206 | 0.0 | 1312 | 0.0 | 1411 | 0.0 | NA | NA | NA | NA |
| IMPL-G | 740 | 0.0 | 812 | 0.0 | 939 | 0.0 | 1009 | 0.0 | 1109 | 0.0 | 1208 | 0.0 | 1313 | 0.0 | 1413 | 0.0 | NA | NA | NA | NA |
| IMPL-H | 741 | 0.0 | 813 | 0.0 | 940 | 0.0 | 1010 | 0.0 | 1110 | 0.0 | 1209 | 0.0 | 1314 | 0.0 | 1414 | 0.0 | NA | NA | NA | NA |
| IMPL-I | 742 | 0.0 | 814 | 0.0 | 941 | 0.0 | 1011 | 0.0 | 1111 | 0.0 | 1210 | 0.0 | 1316 | 0.0 | 1415 | 0.0 | NA | NA | NA | NA |
| IMPL-J | 744 | 0.0 | 816 | 0.0 | 942 | 0.0 | 1012 | 0.0 | 1112 | 0.0 | 1211 | 0.0 | 1322 | 0.0 | 1416 | 0.0 | NA | NA | NA | NA |
| IMPL-K | 747 | 0.0 | 819 | 0.0 | 945 | 0.0 | 1014 | 0.0 | 1114 | 0.0 | 1213 | 0.0 | 1323 | 0.0 | 1419 | 0.0 | NA | NA | NA | NA |
| IMPL-L | 748 | 0.0 | 820 | 0.0 | 946 | 0.0 | 1015 | 0.0 | 1115 | 0.0 | 1214 | 0.0 | 1353 | 0.0 | 1420 | 0.0 | NA | NA | NA | NA |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 3:00 pm

3/28/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 735 | 0.0 | 812 | 0.0 | 935 | 0.0 | 1046 | 0.0 | 1137 | 0.0 | 1206 | 0.0 | 1336 | 0.0 | 1408 | 0.0 | 1508 | 0.0 | 1608 | 0.0 |
| SAM-2 | 732 | 0.0 | 807 | 0.0 | 931 | 0.0 | 1042 | 0.0 | 1132 | 0.0 | 1201 | 0.0 | 1332 | 0.0 | 1402 | 0.0 | 1502 | 0.0 | 1602 | 0.0 |
| SAM-3 | 746 | 0.0 | 823 | 0.0 | 944 | 0.0 | 1054 | 0.0 | 1147 | 0.0 | 1212 | 0.0 | 1350 | 0.0 | 1418 | 0.0 | 1518 | 0.0 | 1618 | 0.0 |
| SAM-4 | 739 | 0.0 | 816 | 0.0 | 938 | 0.0 | 1049 | 0.0 | 1141 | 0.0 | 1207 | 0.0 | 1341 | 0.0 | 1412 | 0.0 | 1512 | 0.0 | 1612 | 0.0 |
| IMPL-A | 730 | 0.0 | 805 | 0.0 | 930 | 0.0 | 1041 | 0.0 | 1130 | 0.0 | 1200 | 0.0 | 1330 | 0.0 | 1400 | 0.0 | 1500 | 0.0 | 1600 | 0.0 |
| IMPL-B | 731 | 0.0 | 808 | 0.0 | 932 | 0.0 | 1043 | 0.0 | 1133 | 0.0 | 1202 | 0.0 | 1333 | 0.0 | 1403 | 0.0 | 1503 | 0.0 | 1603 | 0.0 |
| IMPL-C | 732 | 0.0 | 809 | 0.0 | 933 | 0.0 | 1044 | 0.0 | 1134 | 0.0 | 1203 | 0.0 | 1334 | 0.0 | 1404 | 0.0 | 1504 | 0.0 | 1604 | 0.0 |
| IMPL-D | 733 | 0.0 | 810 | 0.1 | 934 | 0.0 | 1045 | 0.0 | 1135 | 0.0 | 1205 | 0.0 | 1334 | 0.0 | 1406 | 0.0 | 1506 | 0.0 | 1606 | 0.0 |
| IMPL-E | 736 | 0.0 | 813 | 0.1 | 936 | 0.0 | 1047 | 0.0 | 1138 | 0.0 | 1205 | 0.0 | 1338 | 0.0 | 1410 | 0.0 | 1510 | 0.0 | 1610 | 0.0 |
| IMPL-F | 738 | 0.0 | 815 | 0.1 | 937 | 0.0 | 1048 | 0.0 | 1139 | 0.0 | 1206 | 0.0 | 1340 | 0.0 | 1411 | 0.0 | 1511 | 0.0 | 1611 | 0.0 |
| IMPL-G | 740 | 0.0 | 817 | 0.0 | 939 | 0.0 | 1050 | 0.0 | 1142 | 0.0 | 1208 | 0.0 | 1342 | 0.0 | 1413 | 0.0 | 1513 | 0.0 | 1613 | 0.0 |
| IMPL-H | 741 | 0.0 | 818 | 0.0 | 940 | 0.0 | 1051 | 0.0 | 1143 | 0.0 | 1209 | 0.0 | 1343 | 0.0 | 1414 | 0.0 | 1514 | 0.0 | 1614 | 0.0 |
| IMPL-I | 742 | 0.0 | 819 | 0.0 | 941 | 0.0 | 1052 | 0.0 | 1144 | 0.0 | 1210 | 0.0 | 1344 | 0.0 | 1415 | 0.0 | 1515 | 0.0 | 1615 | 0.0 |
| IMPL-J | 744 | 0.0 | 821 | 0.0 | 942 | 0.0 | 1053 | 0.0 | 1145 | 0.0 | 1211 | 0.0 | 1346 | 0.0 | 1416 | 0.0 | 1516 | 0.0 | 1616 | 0.0 |
| IMPL-K | 747 | 0.0 | 824 | 0.0 | 945 | 0.0 | 1055 | 0.0 | 1148 | 0.0 | 1213 | 0.0 | 1352 | 0.0 | 1419 | 0.0 | 1519 | 0.0 | 1619 | 0.0 |
| IMPL-L | 748 | 0.0 | 825 | 0.0 | 946 | 0.0 | 1056 | 0.0 | 1149 | 0.0 | 1214 | 0.0 | 1353 | 0.0 | 1420 | 0.0 | 1520 | 0.0 | 1620 | 0.0 |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

3/29/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 735 | 0.0 | 812 | 0.0 | 935 | 0.0 | 1046 | 0.0 | 1137 | 0.0 | 1206 | 0.0 | 1336 | 0.0 | 1408 | 0.0 | 1508 | 0.0 | 1608 | 0.0 |
| SAM-2 | 732 | 0.0 | 807 | 0.0 | 931 | 0.0 | 1042 | 0.0 | 1132 | 0.0 | 1201 | 0.0 | 1332 | 0.0 | 1402 | 0.0 | 1502 | 0.0 | 1602 | 0.0 |
| SAM-3 | 746 | 0.0 | 823 | 0.0 | 944 | 0.0 | 1054 | 0.2 | 1147 | 0.1 | 1212 | 0.1 | 1350 | 0.1 | 1418 | 0.2 | 1518 | 0.2 | 1618 | 0.0 |
| SAM-4 | 739 | 0.0 | 816 | 0.0 | 938 | 0.0 | 1049 | 0.0 | 1141 | 0.0 | 1207 | 0.0 | 1341 | 0.0 | 1412 | 0.0 | 1512 | 0.0 | 1612 | 0.0 |
| IMPL-A | 730 | 0.0 | 805 | 0.0 | 930 | 0.0 | 1041 | 0.0 | 1130 | 0.0 | 1200 | 0.0 | 1330 | 0.0 | 1400 | 0.0 | 1500 | 0.0 | 1600 | 0.0 |
| IMPL-B | 731 | 0.0 | 808 | 0.0 | 932 | 0.0 | 1043 | 0.0 | 1133 | 0.0 | 1202 | 0.0 | 1333 | 0.0 | 1403 | 0.0 | 1503 | 0.0 | 1603 | 0.0 |
| IMPL-C | 732 | 0.0 | 809 | 0.0 | 933 | 0.0 | 1044 | 0.0 | 1134 | 0.0 | 1203 | 0.0 | 1334 | 0.0 | 1404 | 0.0 | 1504 | 0.0 | 1604 | 0.0 |
| IMPL-D | 733 | 0.0 | 810 | 0.0 | 934 | 0.0 | 1045 | 0.0 | 1135 | 0.0 | 1205 | 0.0 | 1334 | 0.0 | 1406 | 0.0 | 1506 | 0.0 | 1606 | 0.0 |
| IMPL-E | 736 | 0.0 | 813 | 0.0 | 936 | 0.0 | 1047 | 0.0 | 1138 | 0.0 | 1205 | 0.0 | 1338 | 0.0 | 1410 | 0.0 | 1510 | 0.0 | 1610 | 0.0 |
| IMPL-F | 738 | 0.0 | 815 | 0.0 | 937 | 0.0 | 1048 | 0.0 | 1139 | 0.0 | 1206 | 0.0 | 1340 | 0.0 | 1411 | 0.0 | 1511 | 0.0 | 1611 | 0.0 |
| IMPL-G | 740 | 0.0 | 817 | 0.0 | 939 | 0.0 | 1050 | 0.0 | 1142 | 0.0 | 1208 | 0.0 | 1342 | 0.0 | 1413 | 0.0 | 1513 | 0.0 | 1613 | 0.0 |
| IMPL-H | 741 | 0.0 | 818 | 0.0 | 940 | 0.0 | 1051 | 0.0 | 1143 | 0.0 | 1209 | 0.0 | 1343 | 0.0 | 1414 | 0.1 | 1514 | 0.1 | 1614 | 0.0 |
| IMPL-I | 742 | 0.0 | 819 | 0.0 | 941 | 0.0 | 1052 | 0.0 | 1144 | 0.0 | 1210 | 0.0 | 1344 | 0.0 | 1415 | 0.1 | 1515 | 0.1 | 1615 | 0.0 |
| IMPL-J | 744 | 0.0 | 821 | 0.0 | 942 | 0.0 | 1053 | 0.0 | 1145 | 0.1 | 1211 | 0.1 | 1346 | 0.1 | 1416 | 0.2 | 1516 | 0.2 | 1616 | 0.0 |
| IMPL-K | 747 | 0.0 | 824 | 0.0 | 945 | 0.0 | 1055 | 0.2 | 1148 | 0.1 | 1213 | 0.1 | 1352 | 0.1 | 1419 | 0.2 | 1519 | 0.2 | 1619 | 0.0 |
| IMPL-L | 748 | 0.0 | 825 | 0.0 | 946 | 0.0 | 1056 | 0.0 | 1149 | 0.0 | 1214 | 0.1 | 1353 | 0.1 | 1420 | 0.0 | 1520 | 0.1 | 1620 | 0.0 |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

3/30/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 735 | 0.0 | 812 | 0.0 | 935 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SAM-2 | 732 | 0.0 | 807 | 0.0 | 931 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SAM-3 | 746 | 0.0 | 823 | 0.0 | 944 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SAM-4 | 739 | 0.0 | 816 | 0.0 | 938 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-A | 730 | 0.0 | 805 | 0.0 | 930 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-B | 731 | 0.0 | 808 | 0.0 | 932 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-C | 732 | 0.0 | 809 | 0.0 | 933 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-D | 733 | 0.0 | 810 | 0.0 | 934 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-E | 736 | 0.0 | 813 | 0.0 | 936 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-F | 738 | 0.0 | 815 | 0.0 | 937 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-G | 740 | 0.0 | 817 | 0.0 | 939 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-H | 741 | 0.0 | 818 | 0.0 | 940 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-I | 742 | 0.0 | 819 | 0.0 | 941 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-J | 744 | 0.0 | 821 | 0.0 | 942 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-K | 747 | 0.0 | 824 | 0.0 | 945 | 0.0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| IMPL-L | 748 | 0.0 | 825 | 0.2 | 946 | 0.2 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

3/31/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 735 | 0.0 | 812 | 0.0 | 935 | 0.0 | 1005 | 0.0 | NA | NA | 1206 | 0.0 | 1336 | 0.0 | 1408 | 0.0 | 1508 | 0.0 | 1608 | 0.0 |
| SAM-2 | 732 | 0.0 | 807 | 0.0 | 931 | 0.0 | 1001 | 0.0 | NA | NA | 1201 | 0.0 | 1332 | 0.0 | 1402 | 0.0 | 1502 | 0.0 | 1602 | 0.0 |
| SAM-3 | 746 | 0.0 | 823 | 0.0 | 944 | 0.0 | 1014 | 0.0 | NA | NA | 1212 | 0.0 | 1350 | 0.0 | 1418 | 0.0 | 1518 | 0.0 | 1618 | 0.0 |
| SAM-4 | 739 | 0.0 | 816 | 0.0 | 938 | 0.0 | 1008 | 0.0 | NA | NA | 1207 | 0.0 | 1341 | 0.0 | 1412 | 0.0 | 1512 | 0.0 | 1612 | 0.0 |
| IMPL-A | 730 | 0.0 | 805 | 0.0 | 930 | 0.0 | 1000 | 0.1 | NA | NA | 1200 | 0.0 | 1330 | 0.0 | 1400 | 0.0 | 1500 | 0.0 | 1600 | 0.0 |
| IMPL-B | 731 | 0.3 | 808 | 0.3 | 932 | 0.1 | 1002 | 0.3 | NA | NA | 1202 | 0.1 | 1333 | 0.0 | 1403 | 0.2 | 1503 | 0.0 | 1603 | 0.1 |
| IMPL-C | 732 | 0.3 | 809 | 0.3 | 933 | 0.3 | 1003 | 0.2 | NA | NA | 1203 | 0.2 | 1334 | 0.2 | 1404 | 0.2 | 1504 | 0.1 | 1604 | 0.1 |
| IMPL-D | 733 | 0.3 | 810 | 0.3 | 934 | 0.2 | 1004 | 0.1 | NA | NA | 1205 | 0.1 | 1334 | 0.1 | 1406 | 0.2 | 1506 | 0.0 | 1606 | 0.1 |
| IMPL-E | 736 | 0.3 | 813 | 0.3 | 936 | 0.2 | 1006 | 0.0 | NA | NA | 1205 | 0.1 | 1338 | 0.1 | 1410 | N | 1510 | 0.0 | 1610 | 0.0 |
| IMPL-F | 738 | 0.3 | 815 | 0.3 | 937 | 0.0 | 1007 | 0.0 | NA | NA | 1206 | 0.0 | 1340 | 0.0 | 1411 | 0.0 | 1511 | 0.0 | 1611 | 0.0 |
| IMPL-G | 740 | 0.0 | 817 | 0.0 | 939 | 0.0 | 1009 | 0.0 | NA | NA | 1208 | 0.0 | 1342 | 0.0 | 1413 | 0.0 | 1513 | 0.0 | 1613 | 0.0 |
| IMPL-H | 741 | 0.0 | 818 | 0.0 | 940 | 0.0 | 1010 | 0.0 | NA | NA | 1209 | 0.0 | 1343 | 0.0 | 1414 | 0.0 | 1514 | 0.0 | 1614 | 0.0 |
| IMPL-I | 742 | 0.0 | 819 | 0.0 | 941 | 0.0 | 1011 | 0.0 | NA | NA | 1210 | 0.0 | 1344 | 0.0 | 1415 | 0.0 | 1515 | 0.0 | 1615 | 0.0 |
| IMPL-J | 744 | 0.0 | 821 | 0.0 | 942 | 0.0 | 1012 | 0.0 | NA | NA | 1211 | 0.0 | 1346 | 0.0 | 1416 | 0.0 | 1516 | 0.0 | 1616 | 0.0 |
| IMPL-K | 747 | 0.0 | 824 | 0.0 | 945 | 0.0 | 1015 | 0.0 | NA | NA | 1213 | 0.0 | 1352 | 0.0 | 1419 | 0.0 | 1519 | 0.0 | 1619 | 0.0 |
| IMPL-L | 748 | 0.0 | 825 | 0.0 | 946 | 0.0 | 1016 | 0.0 | NA | NA | 1214 | 0.0 | 1353 | 0.0 | 1420 | 0.0 | 1520 | 0.0 | 1620 | 0.0 |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

4/1/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 735 | 0.3 | 812 | 0.3 | 935 | 0.0 | 1005 | 0.0 | 1105 | 0.0 | 1206 | 0.0 | 1336 | 0.0 | 1408 | 0.0 | 1508 | 0.0 | 1608 | 0.0 |
| SAM-2 | 732 | 0.0 | 807 | 0.0 | 931 | 0.0 | 1001 | 0.0 | 1101 | 0.0 | 1201 | 0.0 | 1332 | 0.0 | 1402 | 0.0 | 1502 | 0.0 | 1602 | 0.0 |
| SAM-3 | 746 | 0.0 | 823 | 0.0 | 944 | 0.0 | 1014 | 0.0 | 1114 | 0.0 | 1212 | 0.0 | 1350 | 0.0 | 1418 | 0.0 | 1518 | 0.0 | 1618 | 0.0 |
| SAM-4 | 739 | 0.0 | 816 | 0.0 | 938 | 0.0 | 1008 | 0.0 | 1108 | 0.0 | 1207 | 0.0 | 1341 | 0.0 | 1412 | 0.0 | 1512 | 0.0 | 1612 | 0.0 |
| IMPL-A | 730 | 0.0 | 805 | 0.0 | 930 | 0.0 | 1000 | 0.1 | 1100 | 0.2 | 1200 | 0.0 | 1330 | 0.0 | 1400 | 0.0 | 1500 | 0.0 | 1600 | 0.2 |
| IMPL-B | 731 | 0.4 | 808 | 0.4 | 932 | 0.4 | 1002 | 0.1 | 1102 | 0.2 | 1202 | 0.0 | 1333 | 0.0 | 1403 | 0.3 | 1503 | 0.0 | 1603 | 0.2 |
| IMPL-C | 732 | 0.4 | 809 | 0.4 | 933 | 0.4 | 1003 | 0.2 | 1103 | 0.0 | 1203 | 0.2 | 1334 | 0.4 | 1404 | 0.3 | 1504 | 0.0 | 1604 | 0.2 |
| IMPL-D | 733 | 0.4 | 810 | 0.4 | 934 | 0.4 | 1004 | 0.2 | 1104 | 0.0 | 1205 | 0.2 | 1334 | 0.4 | 1406 | 0.3 | 1506 | 0.0 | 1606 | 0.2 |
| IMPL-E | 736 | 0.0 | 813 | 0.0 | 936 | 0.6 | 1006 | 0.1 | 1106 | 0.0 | 1205 | 0.4 | 1338 | 0.4 | 1410 | 0.3 | 1510 | 0.1 | 1610 | 0.2 |
| IMPL-F | 738 | 0.0 | 815 | 0.0 | 937 | 0.4 | 1007 | 0.1 | 1107 | 0.3 | 1206 | 0.1 | 1340 | 0.4 | 1411 | 0.0 | 1511 | 0.1 | 1611 | 0.0 |
| IMPL-G | 740 | 0.0 | 817 | 0.0 | 939 | 0.0 | 1009 | 0.0 | 1109 | 0.0 | 1208 | 0.0 | 1342 | 0.0 | 1413 | 0.0 | 1513 | 0.0 | 1613 | 0.0 |
| IMPL-H | 741 | 0.0 | 818 | 0.0 | 940 | 0.0 | 1010 | 0.0 | 1110 | 0.0 | 1209 | 0.0 | 1343 | 0.0 | 1414 | 0.0 | 1514 | 0.0 | 1614 | 0.0 |
| IMPL-I | 742 | 0.0 | 819 | 0.0 | 941 | 0.0 | 1011 | 0.0 | 1111 | 0.0 | 1210 | 0.0 | 1344 | 0.0 | 1415 | 0.0 | 1515 | 0.0 | 1615 | 0.0 |
| IMPL-J | 744 | 0.0 | 821 | 0.0 | 942 | 0.0 | 1012 | 0.0 | 1112 | 0.0 | 1211 | 0.0 | 1346 | 0.0 | 1416 | 0.0 | 1516 | 0.0 | 1616 | 0.0 |
| IMPL-K | 747 | 0.0 | 824 | 0.0 | 945 | 0.0 | 1015 | 0.0 | 1115 | 0.0 | 1213 | 0.0 | 1352 | 0.0 | 1419 | 0.0 | 1519 | 0.0 | 1619 | 0.0 |
| IMPL-L | 748 | 0.0 | 825 | 0.0 | 946 | 0.0 | 1016 | 0.0 | 1116 | 0.0 | 1214 | 0.0 | 1353 | 0.0 | 1420 | 0.0 | 1520 | 0.0 | 1620 | 0.0 |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 3:00 pm

4/4/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 700 | 0.0 | 800 | 0.0 | 900 | 0.0 | 1000 | 0.0 | 1130 | 0.1 | 1230 | 0.1 | NA | NA | 1400 | 0.1 | 1500 | 0.1 | 1600 | 0.1 |
| SAM-2 | 710 | 0.0 | 807 | 0.0 | 908 | 0.1 | 1008 | 0.1 | 1138 | 0.1 | 1238 | 0.1 | NA | NA | 1410 | 0.1 | 1507 | 0.1 | 1608 | 0.1 |
| SAM-3 | 705 | 0.0 | 803 | 0.0 | 904 | 0.0 | 1004 | 0.0 | 1134 | 0.1 | 1234 | 0.1 | NA | NA | 1405 | 0.1 | 1503 | 0.1 | 1604 | 0.1 |
| SAM-4 | 703 | 0.0 | 801 | 0.0 | 902 | 0.0 | 1002 | 0.0 | 1132 | 0.1 | 1232 | 0.1 | NA | NA | 1403 | 0.1 | 1501 | 0.1 | 1602 | 0.1 |
| IMPL-A | 711 | 0.0 | 808 | 0.0 | 909 | 0.1 | 1009 | 0.1 | 1139 | 0.1 | 1239 | 0.1 | NA | NA | 1411 | 0.1 | 1508 | 0.1 | 1609 | 0.1 |
| IMPL-B | 712 | 0.0 | 809 | 0.0 | 910 | 0.0 | 1010 | 0.0 | 1140 | 0.1 | 1240 | 0.1 | NA | NA | 1412 | 0.1 | 1509 | 0.1 | 1610 | 0.1 |
| IMPL-C | 713 | 0.0 | 810 | 0.0 | 911 | 0.0 | 1011 | 0.0 | 1141 | 0.1 | 1241 | 0.1 | NA | NA | 1413 | 0.1 | 1510 | 0.1 | 1611 | 0.1 |
| IMPL-D | 714 | 0.0 | 811 | 0.0 | 912 | 0.0 | 1012 | 0.0 | 1142 | 0.1 | 1242 | 0.1 | NA | NA | 1414 | 0.1 | 1511 | 0.1 | 1612 | 0.1 |
| IMPL-E | 715 | 0.0 | 812 | 0.0 | 913 | 0.0 | 1013 | 0.0 | 1143 | 0.1 | 1243 | 0.1 | NA | NA | 1415 | 0.1 | 1512 | 0.1 | 1613 | 0.1 |
| IMPL-F | 716 | 0.0 | 813 | 0.0 | 914 | 0.0 | 1014 | 0.0 | 1144 | 0.1 | 1244 | 0.1 | NA | NA | 1416 | 0.1 | 1513 | 0.1 | 1614 | 0.1 |
| IMPL-G | 717 | 0.0 | 814 | 0.0 | 915 | 0.0 | 1015 | 0.0 | 1145 | 0.1 | 1245 | 0.1 | NA | NA | 1417 | 0.1 | 1514 | 0.1 | 1615 | 0.1 |
| IMPL-H | 718 | 0.0 | 815 | 0.0 | 916 | 0.0 | 1016 | 0.0 | 1146 | 0.1 | 1246 | 0.1 | NA | NA | 1418 | 0.1 | 1515 | 0.1 | 1616 | 0.1 |
| IMPL-I | 720 | 0.0 | 816 | 0.0 | 917 | 0.0 | 1017 | 0.0 | 1147 | 0.1 | 1247 | 0.1 | NA | NA | 1420 | 0.1 | 1516 | 0.1 | 1617 | 0.1 |
| IMPL-J | 721 | 0.0 | 817 | 0.0 | 918 | 0.0 | 1018 | 0.0 | 1148 | 0.1 | 1248 | 0.1 | NA | NA | 1421 | 0.1 | 1517 | 0.1 | 1618 | 0.1 |
| IMPL-K | 722 | 0.0 | 818 | 0.0 | 919 | 0.0 | 1019 | 0.0 | 1149 | 0.1 | 1249 | 0.1 | NA | NA | 1422 | 0.1 | 1518 | 0.1 | 1619 | 0.1 |
| IMPL-L | 723 | 0.0 | 819 | 0.0 | 920 | 0.0 | 1020 | 0.0 | 1150 | 0.1 | 1250 | 0.1 | NA | NA | 1423 | 0.1 | 1519 | 0.1 | 1620 | 0.1 |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

4/5/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 700 | 0.0 | 800 | 0.0 | 900 | 0.0 | 1000 | 0.0 | 1100 | 0.0 | 1200 | 0.0 | 1300 | 0.0 | 1445 | 0.0 | 1530 | 0.0 | 1615 | 0.0 |
| SAM-2 | 708 | 0.0 | 808 | 0.0 | 907 | 0.0 | 1010 | 0.0 | 1108 | 0.0 | 1208 | 0.0 | 1308 | 0.0 | 1453 | 0.0 | 1538 | 0.0 | 1622 | 0.0 |
| SAM-3 | 704 | 0.0 | 804 | 0.0 | 903 | 0.0 | 1005 | 0.0 | 1104 | 0.0 | 1204 | 0.0 | 1304 | 0.0 | 1449 | 0.0 | 1534 | 0.0 | 1618 | 0.0 |
| SAM-4 | 702 | 0.0 | 802 | 0.0 | 901 | 0.0 | 1003 | 0.0 | 1102 | 0.0 | 1202 | 0.0 | 1302 | 0.0 | 1447 | 0.0 | 1532 | 0.0 | 1616 | 0.0 |
| IMPL-A | 709 | 0.0 | 809 | 0.0 | 908 | 0.0 | 1011 | 0.0 | 1109 | 0.0 | 1209 | 0.0 | 1309 | 0.0 | 1454 | 0.0 | 1539 | 0.0 | 1623 | 0.0 |
| IMPL-B | 710 | 0.0 | 810 | 0.0 | 909 | 0.0 | 1012 | 0.0 | 1110 | 0.0 | 1210 | 0.0 | 1310 | 0.0 | 1455 | 0.0 | 1540 | 0.0 | 1624 | 0.0 |
| IMPL-C | 711 | 0.0 | 811 | 0.0 | 910 | 0.0 | 1013 | 0.0 | 1111 | 0.0 | 1211 | 0.0 | 1311 | 0.0 | 1456 | 0.0 | 1541 | 0.0 | 1625 | 0.0 |
| IMPL-D | 712 | 0.0 | 812 | 0.0 | 911 | 0.0 | 1014 | 0.0 | 1112 | 0.0 | 1212 | 0.0 | 1312 | 0.0 | 1457 | 0.0 | 1542 | 0.0 | 1626 | 0.0 |
| IMPL-E | 713 | 0.0 | 813 | 0.0 | 912 | 0.0 | 1015 | 0.0 | 1113 | 0.0 | 1213 | 0.0 | 1313 | 0.0 | 1458 | 0.0 | 1543 | 0.0 | 1627 | 0.0 |
| IMPL-F | 714 | 0.0 | 814 | 0.0 | 913 | 0.0 | 1016 | 0.0 | 1114 | 0.0 | 1214 | 0.0 | 1314 | 0.0 | 1459 | 0.0 | 1544 | 0.0 | 1628 | 0.0 |
| IMPL-G | 715 | 0.0 | 815 | 0.0 | 914 | 0.0 | 1017 | 0.0 | 1115 | 0.0 | 1215 | 0.0 | 1315 | 0.0 | 1500 | 0.0 | 1545 | 0.0 | 1629 | 0.0 |
| IMPL-H | 716 | 0.0 | 816 | 0.0 | 915 | 0.0 | 1018 | 0.0 | 1116 | 0.0 | 1216 | 0.0 | 1316 | 0.0 | 1501 | 0.0 | 1546 | 0.0 | 1630 | 0.0 |
| IMPL-I | 717 | 0.0 | 817 | 0.0 | 916 | 0.0 | 1020 | 0.0 | 1117 | 0.0 | 1217 | 0.0 | 1317 | 0.0 | 1502 | 0.0 | 1547 | 0.0 | 1631 | 0.0 |
| IMPL-J | 718 | 0.0 | 818 | 0.0 | 917 | 0.0 | 1021 | 0.0 | 1118 | 0.0 | 1218 | 0.0 | 1318 | 0.0 | 1503 | 0.0 | 1548 | 0.0 | 1632 | 0.0 |
| IMPL-K | 719 | 0.0 | 819 | 0.0 | 918 | 0.0 | 1022 | 0.0 | 1119 | 0.0 | 1219 | 0.0 | 1319 | 0.0 | 1504 | 0.0 | 1549 | 0.0 | 1633 | 0.0 |
| IMPL-L | 720 | 0.0 | 820 | 0.0 | 919 | 0.0 | 1023 | 0.0 | 1120 | 0.0 | 1220 | 0.0 | 1320 | 0.0 | 1505 | 0.0 | 1550 | 0.0 | 1634 | 0.0 |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

4/6/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 700 | 0.0 | 800 | 0.0 | 900 | 0.0 | NA | NA | 1130 | 0.0 | 1215 | 0.0 | 1300 | 0.0 | 1400 | 0.0 | 1500 | 0.0 | 1600 | 0.0 |
| SAM-2 | 708 | 0.0 | 808 | 0.0 | 910 | 0.0 | NA | NA | 1140 | 0.0 | 1222 | 0.0 | 1307 | 0.0 | 1408 | 0.0 | 1508 | 0.0 | 1608 | 0.0 |
| SAM-3 | 704 | 0.0 | 804 | 0.0 | 905 | 0.0 | NA | NA | 1135 | 0.0 | 1218 | 0.0 | 1303 | 0.0 | 1404 | 0.0 | 1504 | 0.0 | 1604 | 0.0 |
| SAM-4 | 702 | 0.0 | 802 | 0.0 | 903 | 0.0 | NA | NA | 1133 | 0.0 | 1216 | 0.0 | 1301 | 0.0 | 1402 | 0.0 | 1502 | 0.0 | 1602 | 0.0 |
| IMPL-A | 709 | 0.0 | 809 | 0.0 | 911 | 0.0 | NA | NA | 1141 | 0.0 | 1223 | 0.0 | 1308 | 0.0 | 1409 | 0.0 | 1509 | 0.0 | 1609 | 0.0 |
| IMPL-B | 710 | 0.0 | 810 | 0.0 | 912 | 0.0 | NA | NA | 1142 | 0.0 | 1224 | 0.0 | 1309 | 0.0 | 1410 | 0.0 | 1510 | 0.0 | 1610 | 0.0 |
| IMPL-C | 711 | 0.0 | 811 | 0.0 | 913 | 0.0 | NA | NA | 1143 | 0.0 | 1225 | 0.0 | 1310 | 0.0 | 1411 | 0.0 | 1511 | 0.0 | 1611 | 0.0 |
| IMPL-D | 712 | 0.0 | 812 | 0.0 | 914 | 0.0 | NA | NA | 1144 | 0.0 | 1226 | 0.0 | 1311 | 0.0 | 1412 | 0.0 | 1512 | 0.0 | 1612 | 0.0 |
| IMPL-E | 713 | 0.0 | 813 | 0.0 | 915 | 0.0 | NA | NA | 1145 | 0.0 | 1227 | 0.0 | 1312 | 0.0 | 1413 | 0.0 | 1513 | 0.0 | 1613 | 0.0 |
| IMPL-F | 714 | 0.0 | 814 | 0.0 | 916 | 0.0 | NA | NA | 1146 | 0.0 | 1228 | 0.0 | 1313 | 0.0 | 1414 | 0.0 | 1514 | 0.0 | 1614 | 0.0 |
| IMPL-G | 715 | 0.0 | 815 | 0.0 | 917 | 0.0 | NA | NA | 1147 | 0.0 | 1229 | 0.0 | 1314 | 0.0 | 1415 | 0.0 | 1515 | 0.0 | 1615 | 0.0 |
| IMPL-H | 716 | 0.0 | 816 | 0.0 | 918 | 0.0 | NA | NA | 1148 | 0.0 | 1230 | 0.0 | 1315 | 0.0 | 1416 | 0.0 | 1516 | 0.0 | 1616 | 0.0 |
| IMPL-I | 717 | 0.0 | 817 | 0.0 | 920 | 0.0 | NA | NA | 1150 | 0.0 | 1231 | 0.0 | 1316 | 0.0 | 1417 | 0.0 | 1517 | 0.0 | 1617 | 0.0 |
| IMPL-J | 718 | 0.0 | 818 | 0.0 | 921 | 0.0 | NA | NA | 1151 | 0.0 | 1232 | 0.0 | 1317 | 0.0 | 1418 | 0.0 | 1518 | 0.0 | 1618 | 0.0 |
| IMPL-K | 719 | 0.0 | 819 | 0.0 | 922 | 0.0 | NA | NA | 1152 | 0.0 | 1233 | 0.0 | 1318 | 0.0 | 1419 | 0.0 | 1519 | 0.0 | 1619 | 0.0 |
| IMPL-L | 720 | 0.0 | 820 | 0.0 | 923 | 0.0 | NA | NA | 1153 | 0.0 | 1234 | 0.0 | 1319 | 0.0 | 1420 | 0.0 | 1520 | 0.0 | 1620 | 0.0 |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

4/7/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 700 | 0.0 | 800 | 0.0 | 900 | 0.1 | 1000 | 0.1 | 1100 | 0.1 | 1200 | 0.0 | 1300 | 0.0 | 1400 | 0.0 | 1500 | 0.0 | 1600 | 0.0 |
| SAM-2 | 702 | 0.0 | 802 | 0.0 | 902 | 0.0 | 1002 | 0.1 | 1102 | 0.1 | 1202 | 0.0 | 1302 | 0.0 | 1402 | 0.0 | 1502 | 0.0 | 1602 | 0.0 |
| SAM-3 | 704 | 0.0 | 804 | 0.0 | 903 | 0.0 | 1004 | 0.1 | 1104 | 0.1 | 1206 | 0.0 | 1306 | 0.0 | 1406 | 0.0 | 1503 | 0.0 | 1603 | 0.0 |
| SAM-4 | 707 | 0.0 | 807 | 0.0 | 906 | 0.0 | 1007 | 0.1 | 1107 | 0.1 | 1209 | 0.0 | 1309 | 0.0 | 1409 | 0.0 | 1506 | 0.0 | 1606 | 0.0 |
| IMPL-A | 708 | 0.0 | 808 | 0.0 | 907 | 0.0 | 1008 | 0.1 | 1108 | 0.1 | 1210 | 0.0 | 1310 | 0.0 | 1410 | 0.0 | 1507 | 0.0 | 1607 | 0.0 |
| IMPL-B | 709 | 0.0 | 809 | 0.0 | 908 | 0.0 | 1009 | 0.1 | 1109 | 0.1 | 1211 | 0.0 | 1311 | 0.0 | 1411 | 0.0 | 1508 | 0.0 | 1608 | 0.0 |
| IMPL-C | 710 | 0.0 | 810 | 0.0 | 909 | 0.0 | 1010 | 0.1 | 1110 | 0.1 | 1212 | 0.0 | 1312 | 0.0 | 1412 | 0.0 | 1509 | 0.0 | 1609 | 0.0 |
| IMPL-D | 711 | 0.0 | 811 | 0.0 | 910 | 0.1 | 1011 | 0.1 | 1111 | 0.1 | 1213 | 0.0 | 1313 | 0.0 | 1413 | 0.0 | 1510 | 0.0 | 1610 | 0.0 |
| IMPL-E | 712 | 0.0 | 812 | 0.0 | 911 | 0.1 | 1012 | 0.1 | 1112 | 0.1 | 1214 | 0.0 | 1314 | 0.0 | 1414 | 0.0 | 1511 | 0.0 | 1611 | 0.0 |
| IMPL-F | 713 | 0.0 | 813 | 0.0 | 912 | 0.1 | 1013 | 0.1 | 1113 | 0.1 | 1215 | 0.0 | 1315 | 0.0 | 1415 | 0.0 | 1512 | 0.0 | 1612 | 0.0 |
| IMPL-G | 714 | 0.0 | 814 | 0.0 | 913 | 0.1 | 1014 | 0.1 | 1114 | 0.1 | 1216 | 0.0 | 1316 | 0.0 | 1416 | 0.0 | 1513 | 0.0 | 1613 | 0.0 |
| IMPL-H | 715 | 0.0 | 815 | 0.0 | 914 | 0.1 | 1015 | 0.1 | 1115 | 0.1 | 1217 | 0.0 | 1317 | 0.0 | 1417 | 0.0 | 1514 | 0.0 | 1614 | 0.0 |
| IMPL-I | 716 | 0.0 | 816 | 0.0 | 915 | 0.0 | 1016 | 0.1 | 1116 | 0.1 | 1218 | 0.0 | 1318 | 0.0 | 1418 | 0.0 | 1515 | 0.0 | 1615 | 0.0 |
| IMPL-J | 717 | 0.0 | 817 | 0.0 | 916 | 0.0 | 1017 | 0.1 | 1117 | 0.1 | 1219 | 0.0 | 1319 | 0.0 | 1419 | 0.0 | 1516 | 0.0 | 1616 | 0.0 |
| IMPL-K | 718 | 0.0 | 818 | 0.0 | 917 | 0.0 | 1018 | 0.1 | 1118 | 0.1 | 1220 | 0.0 | 1320 | 0.0 | 1420 | 0.0 | 1517 | 0.0 | 1617 | 0.0 |
| IMPL-L | 719 | 0.0 | 819 | 0.0 | 918 | 0.0 | 1019 | 0.1 | 1119 | 0.1 | 1221 | 0.0 | 1321 | 0.0 | 1421 | 0.0 | 1518 | 0.0 | 1618 | 0.0 |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

4/8/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 700 | 0.0 | 800 | 0.0 | 900 | 0.0 | NA | NA | 1100 | 0.0 | 1200 | 0.0 | 1300 | 0.0 | 1400 | 0.0 | 1508 | 0.0 | 1608 | 0.0 |
| SAM-2 | 702 | 0.0 | 802 | 0.0 | 902 | 0.0 | NA | NA | 1102 | 0.0 | 1202 | 0.0 | 1302 | 0.0 | 1402 | 0.0 | 1502 | 0.0 | 1602 | 0.0 |
| SAM-3 | 703 | 0.0 | 803 | 0.0 | 904 | 0.0 | NA | NA | 1104 | 0.0 | 1204 | 0.0 | 1304 | 0.0 | 1404 | 0.0 | 1518 | 0.0 | 1618 | 0.0 |
| SAM-4 | 706 | 0.0 | 806 | 0.0 | 907 | 0.0 | NA | NA | 1107 | 0.0 | 1207 | 0.0 | 1307 | 0.0 | 1407 | 0.0 | 1512 | 0.0 | 1612 | 0.0 |
| IMPL-A | 707 | 0.0 | 807 | 0.0 | 908 | 0.0 | NA | NA | 1108 | 0.0 | 1208 | 0.0 | 1308 | 0.0 | 1408 | 0.0 | 1500 | 0.0 | 1600 | 0.2 |
| IMPL-B | 708 | 0.0 | 808 | 0.0 | 909 | 0.0 | NA | NA | 1109 | 0.0 | 1209 | 0.0 | 1309 | 0.0 | 1409 | 0.0 | 1503 | 0.0 | 1603 | 0.2 |
| IMPL-C | 709 | 0.0 | 809 | 0.0 | 910 | 0.0 | NA | NA | 1110 | 0.0 | 1210 | 0.0 | 1310 | 0.0 | 1410 | 0.0 | 1504 | 0.0 | 1604 | 0.2 |
| IMPL-D | 710 | 0.0 | 810 | 0.0 | 911 | 0.0 | NA | NA | 1111 | 0.0 | 1211 | 0.0 | 1311 | 0.0 | 1411 | 0.0 | 1506 | 0.0 | 1606 | 0.2 |
| IMPL-E | 711 | 0.0 | 811 | 0.0 | 912 | 0.0 | NA | NA | 1112 | 0.0 | 1212 | 0.0 | 1312 | 0.0 | 1412 | 0.0 | 1510 | 0.1 | 1610 | 0.2 |
| IMPL-F | 712 | 0.0 | 812 | 0.0 | 913 | 0.0 | NA | NA | 1113 | 0.0 | 1213 | 0.0 | 1313 | 0.0 | 1413 | 0.0 | 1511 | 0.1 | 1611 | 0.0 |
| IMPL-G | 713 | 0.0 | 813 | 0.0 | 914 | 0.0 | NA | NA | 1114 | 0.0 | 1214 | 0.0 | 1314 | 0.0 | 1414 | 0.0 | 1513 | 0.0 | 1613 | 0.0 |
| IMPL-H | 714 | 0.0 | 814 | 0.0 | 915 | 0.0 | NA | NA | 1115 | 0.0 | 1215 | 0.0 | 1315 | 0.0 | 1415 | 0.0 | 1514 | 0.0 | 1614 | 0.0 |
| IMPL-I | 715 | 0.0 | 815 | 0.0 | 916 | 0.0 | NA | NA | 1116 | 0.0 | 1216 | 0.0 | 1316 | 0.0 | 1416 | 0.0 | 1515 | 0.0 | 1615 | 0.0 |
| IMPL-J | 716 | 0.0 | 816 | 0.0 | 917 | 0.0 | NA | NA | 1117 | 0.0 | 1217 | 0.0 | 1317 | 0.0 | 1417 | 0.0 | 1516 | 0.0 | 1616 | 0.0 |
| IMPL-K | 717 | 0.0 | 817 | 0.0 | 918 | 0.0 | NA | NA | 1118 | 0.0 | 1218 | 0.0 | 1318 | 0.0 | 1418 | 0.0 | 1519 | 0.0 | 1619 | 0.0 |
| IMPL-L | 718 | 0.0 | 818 | 0.0 | 919 | 0.0 | NA | NA | 1119 | 0.0 | 1219 | 0.0 | 1319 | 0.0 | 1419 | 0.0 | 1520 | 0.0 | 1620 | 0.0 |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 3:00 pm

4/11/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 700 | 0.0 | 800 | 0.0 | 900 | 0.0 | 1000 | 0.0 | 1130 | 0.0 | 1215 | 0.0 | 1300 | 0.0 | 1400 | 0.0 | 1500 | 0.0 | 1600 | 0.0 |
| SAM-2 | 702 | 0.0 | 802 | 0.0 | 902 | 0.0 | 1002 | 0.0 | 1132 | 0.0 | 1218 | 0.0 | 1302 | 0.0 | 1402 | 0.0 | 1502 | 0.0 | 1602 | 0.0 |
| SAM-3 | 704 | 0.0 | 801 | 0.0 | 901 | 0.0 | 1001 | 0.0 | 1131 | 0.0 | 1219 | 0.0 | 1305 | 0.0 | 1405 | 0.0 | 1505 | 0.0 | 1605 | 0.0 |
| SAM-4 | 707 | 0.0 | 804 | 0.0 | 904 | 0.0 | 1004 | 0.0 | 1134 | 0.0 | 1222 | 0.0 | 1308 | 0.0 | 1408 | 0.0 | 1508 | 0.0 | 1608 | 0.0 |
| IMPL-A | 708 | 0.0 | 805 | 0.0 | 905 | 0.0 | 1005 | 0.0 | 1135 | 0.0 | 1223 | 0.0 | 1309 | 0.0 | 1409 | 0.0 | 1509 | 0.0 | 1609 | 0.0 |
| IMPL-B | 709 | 0.0 | 806 | 0.0 | 906 | 0.0 | 1006 | 0.0 | 1136 | 0.0 | 1224 | 0.0 | 1310 | 0.0 | 1410 | 0.0 | 1510 | 0.0 | 1610 | 0.0 |
| IMPL-C | 710 | 0.0 | 807 | 0.0 | 907 | 0.0 | 1007 | 0.0 | 1137 | 0.0 | 1225 | 0.0 | 1311 | 0.0 | 1411 | 0.0 | 1511 | 0.0 | 1611 | 0.0 |
| IMPL-D | 711 | 0.0 | 808 | 0.0 | 908 | 0.0 | 1008 | 0.0 | 1138 | 0.0 | 1226 | 0.0 | 1312 | 0.0 | 1412 | 0.0 | 1512 | 0.0 | 1612 | 0.0 |
| IMPL-E | 712 | 0.0 | 809 | 0.0 | 909 | 0.0 | 1009 | 0.0 | 1139 | 0.0 | 1227 | 0.0 | 1313 | 0.0 | 1413 | 0.0 | 1513 | 0.0 | 1613 | 0.0 |
| IMPL-F | 713 | 0.0 | 810 | 0.0 | 910 | 0.0 | 1010 | 0.0 | 1140 | 0.0 | 1228 | 0.0 | 1314 | 0.0 | 1414 | 0.0 | 1514 | 0.0 | 1614 | 0.0 |
| IMPL-G | 714 | 0.0 | 811 | 0.0 | 911 | 0.0 | 1011 | 0.0 | 1141 | 0.0 | 1229 | 0.0 | 1315 | 0.0 | 1415 | 0.0 | 1515 | 0.0 | 1615 | 0.0 |
| IMPL-H | 715 | 0.0 | 812 | 0.0 | 912 | 0.0 | 1012 | 0.0 | 1142 | 0.0 | 1230 | 0.0 | 1316 | 0.0 | 1416 | 0.0 | 1516 | 0.0 | 1616 | 0.0 |
| IMPL-I | 716 | 0.0 | 813 | 0.0 | 913 | 0.0 | 1013 | 0.0 | 1143 | 0.0 | 1231 | 0.0 | 1317 | 0.0 | 1417 | 0.0 | 1517 | 0.0 | 1617 | 0.0 |
| IMPL-J | 717 | 0.0 | 814 | 0.0 | 914 | 0.0 | 1014 | 0.0 | 1144 | 0.0 | 1232 | 0.0 | 1318 | 0.0 | 1418 | 0.0 | 1518 | 0.0 | 1618 | 0.0 |
| IMPL-K | 718 | 0.0 | 815 | 0.0 | 915 | 0.0 | 1015 | 0.0 | 1145 | 0.0 | 1233 | 0.0 | 1319 | 0.0 | 1419 | 0.0 | 1519 | 0.0 | 1619 | 0.0 |
| IMPL-L | 719 | 0.0 | 816 | 0.0 | 916 | 0.0 | 1016 | 0.0 | 1146 | 0.0 | 1234 | 0.0 | 1320 | 0.0 | 1420 | 0.0 | 1520 | 0.0 | 1620 | 0.0 |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

4/12/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 700 | 0.0 | 800 | 0.0 | 900 | 0.0 | 1000 | 0.0 | 1100 | 0.0 | 1200 | 0.0 | 1300 | 0.0 | 1400 | 0.0 | 1500 | 0.0 | 1600 | 0.0 |
| SAM-2 | 702 | 0.0 | 802 | 0.0 | 902 | 0.0 | 1002 | 0.0 | 1102 | 0.0 | 1202 | 0.0 | 1302 | 0.0 | 1402 | 0.0 | 1502 | 0.0 | 1602 | 0.0 |
| SAM-3 | 703 | 0.0 | 803 | 0.0 | 903 | 0.0 | 1003 | 0.0 | 1103 | 0.0 | 1203 | 0.0 | 1303 | 0.0 | 1403 | 0.0 | 1503 | 0.0 | 1603 | 0.0 |
| SAM-4 | 706 | 0.0 | 806 | 0.0 | 906 | 0.0 | 1006 | 0.0 | 1106 | 0.0 | 1206 | 0.0 | 1306 | 0.0 | 1406 | 0.0 | 1506 | 0.0 | 1606 | 0.0 |
| IMPL-A | 707 | 0.0 | 807 | 0.0 | 907 | 0.0 | 1007 | 0.0 | 1107 | 0.0 | 1207 | 0.0 | 1307 | 0.0 | 1407 | 0.0 | 1507 | 0.0 | 1607 | 0.0 |
| IMPL-B | 708 | 0.0 | 808 | 0.0 | 908 | 0.0 | 1008 | 0.0 | 1108 | 0.0 | 1208 | 0.0 | 1308 | 0.0 | 1408 | 0.0 | 1508 | 0.0 | 1608 | 0.0 |
| IMPL-C | 709 | 0.0 | 809 | 0.0 | 909 | 0.0 | 1009 | 0.0 | 1109 | 0.0 | 1209 | 0.0 | 1309 | 0.0 | 1409 | 0.0 | 1509 | 0.0 | 1609 | 0.0 |
| IMPL-D | 710 | 0.0 | 810 | 0.0 | 910 | 0.0 | 1010 | 0.0 | 1110 | 0.0 | 1210 | 0.0 | 1310 | 0.0 | 1410 | 0.0 | 1510 | 0.0 | 1610 | 0.0 |
| IMPL-E | 711 | 0.0 | 811 | 0.0 | 911 | 0.0 | 1011 | 0.0 | 1111 | 0.0 | 1211 | 0.0 | 1311 | 0.0 | 1411 | 0.0 | 1511 | 0.0 | 1611 | 0.0 |
| IMPL-F | 712 | 0.0 | 812 | 0.0 | 912 | 0.0 | 1012 | 0.0 | 1112 | 0.0 | 1212 | 0.0 | 1312 | 0.0 | 1412 | 0.0 | 1512 | 0.0 | 1612 | 0.0 |
| IMPL-G | 713 | 0.0 | 813 | 0.0 | 913 | 0.0 | 1013 | 0.0 | 1113 | 0.0 | 1213 | 0.0 | 1313 | 0.0 | 1413 | 0.0 | 1513 | 0.0 | 1613 | 0.0 |
| IMPL-H | 714 | 0.0 | 814 | 0.0 | 914 | 0.0 | 1014 | 0.0 | 1114 | 0.0 | 1214 | 0.0 | 1314 | 0.0 | 1414 | 0.0 | 1514 | 0.0 | 1614 | 0.0 |
| IMPL-I | 715 | 0.0 | 815 | 0.0 | 915 | 0.0 | 1015 | 0.0 | 1115 | 0.0 | 1215 | 0.0 | 1315 | 0.0 | 1415 | 0.0 | 1515 | 0.0 | 1615 | 0.0 |
| IMPL-J | 716 | 0.0 | 816 | 0.0 | 916 | 0.0 | 1016 | 0.0 | 1116 | 0.0 | 1216 | 0.0 | 1316 | 0.0 | 1416 | 0.0 | 1516 | 0.0 | 1616 | 0.0 |
| IMPL-K | 717 | 0.0 | 817 | 0.0 | 917 | 0.0 | 1017 | 0.0 | 1117 | 0.0 | 1217 | 0.0 | 1317 | 0.0 | 1417 | 0.0 | 1517 | 0.0 | 1617 | 0.0 |
| IMPL-L | 718 | 0.0 | 818 | 0.0 | 918 | 0.0 | 1018 | 0.0 | 1118 | 0.0 | 1218 | 0.0 | 1318 | 0.0 | 1418 | 0.0 | 1518 | 0.0 | 1618 | 0.0 |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

4/13/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 700 | 0.0 | 800 | 0.0 | 900 | 0.0 | 1000 | 0.0 | 1100 | 0.0 | 1200 | 0.0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| SAM-2 | 702 | 0.0 | 802 | 0.0 | 902 | 0.0 | 1002 | 0.0 | 1102 | 0.0 | 1202 | 0.0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| SAM-3 | 705 | 0.0 | 803 | 0.0 | 903 | 0.0 | 1004 | 0.0 | 1104 | 0.0 | 1204 | 0.0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| SAM-4 | 708 | 0.0 | 806 | 0.0 | 906 | 0.0 | 1007 | 0.0 | 1107 | 0.0 | 1207 | 0.0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| IMPL-A | 709 | 0.0 | 807 | 0.0 | 907 | 0.0 | 1008 | 0.0 | 1108 | 0.0 | 1208 | 0.0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| IMPL-B | 710 | 0.0 | 808 | 0.0 | 908 | 0.0 | 1009 | 0.0 | 1109 | 0.0 | 1209 | 0.0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| IMPL-C | 711 | 0.0 | 809 | 0.0 | 909 | 0.0 | 1010 | 0.0 | 1110 | 0.0 | 1210 | 0.0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| IMPL-D | 712 | 0.0 | 810 | 0.0 | 910 | 0.0 | 1011 | 0.0 | 1111 | 0.0 | 1211 | 0.0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| IMPL-E | 713 | 0.0 | 811 | 0.0 | 911 | 0.0 | 1012 | 0.0 | 1112 | 0.0 | 1212 | 0.0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| IMPL-F | 714 | 0.0 | 812 | 0.0 | 912 | 0.0 | 1013 | 0.0 | 1113 | 0.0 | 1213 | 0.0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| IMPL-G | 715 | 0.0 | 813 | 0.0 | 913 | 0.0 | 1014 | 0.0 | 1114 | 0.0 | 1214 | 0.0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| IMPL-H | 716 | 0.0 | 814 | 0.0 | 914 | 0.0 | 1015 | 0.0 | 1115 | 0.0 | 1215 | 0.0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| IMPL-I | 717 | 0.0 | 815 | 0.0 | 915 | 0.0 | 1016 | 0.0 | 1116 | 0.0 | 1216 | 0.0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| IMPL-J | 718 | 0.0 | 816 | 0.0 | 916 | 0.0 | 1017 | 0.0 | 1117 | 0.0 | 1217 | 0.0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| IMPL-K | 719 | 0.0 | 817 | 0.0 | 917 | 0.0 | 1018 | 0.0 | 1118 | 0.0 | 1218 | 0.0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| IMPL-L | 720 | 0.0 | 818 | 0.0 | 918 | 0.0 | 1019 | 0.0 | 1119 | 0.0 | 1219 | 0.0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 1:00 pm due to weather.

4/14/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 700 | 0.0 | 800 | 0.0 | 900 | 0.0 | 1000 | 0.0 | 1100 | 0.0 | 1200 | 0.0 | 1300 | 0.0 | 1400 | 0.0 | 1500 | 0.0 | 1600 | 0.0 |
| SAM-2 | 702 | 0.0 | 802 | 0.0 | 902 | 0.0 | 1002 | 0.0 | 1102 | 0.0 | 1202 | 0.0 | 1302 | 0.0 | 1402 | 0.0 | 1502 | 0.0 | 1602 | 0.0 |
| SAM-3 | 705 | 0.0 | 805 | 0.0 | 905 | 0.0 | 1005 | 0.0 | 1105 | 0.0 | 1205 | 0.0 | 1305 | 0.0 | 1405 | 0.0 | 1505 | 0.0 | 1605 | 0.0 |
| SAM-4 | 708 | 0.0 | 808 | 0.0 | 908 | 0.0 | 1008 | 0.0 | 1108 | 0.0 | 1208 | 0.0 | 1308 | 0.0 | 1408 | 0.0 | 1508 | 0.0 | 1608 | 0.0 |
| IMPL-A | 709 | 0.0 | 809 | 0.0 | 909 | 0.0 | 1009 | 0.0 | 1109 | 0.0 | 1209 | 0.0 | 1309 | 0.0 | 1409 | 0.0 | 1509 | 0.0 | 1609 | 0.0 |
| IMPL-B | 710 | 0.0 | 810 | 0.0 | 910 | 0.0 | 1010 | 0.0 | 1110 | 0.0 | 1210 | 0.0 | 1310 | 0.0 | 1410 | 0.0 | 1510 | 0.0 | 1610 | 0.0 |
| IMPL-C | 711 | 0.0 | 811 | 0.0 | 911 | 0.0 | 1011 | 0.0 | 1111 | 0.0 | 1211 | 0.0 | 1311 | 0.0 | 1411 | 0.0 | 1511 | 0.0 | 1611 | 0.0 |
| IMPL-D | 712 | 0.0 | 812 | 0.0 | 912 | 0.0 | 1012 | 0.0 | 1112 | 0.0 | 1212 | 0.0 | 1312 | 0.0 | 1412 | 0.0 | 1512 | 0.0 | 1612 | 0.0 |
| IMPL-E | 713 | 0.0 | 813 | 0.0 | 913 | 0.0 | 1013 | 0.0 | 1113 | 0.0 | 1213 | 0.0 | 1313 | 0.0 | 1413 | 0.0 | 1513 | 0.0 | 1613 | 0.0 |
| IMPL-F | 714 | 0.0 | 814 | 0.0 | 914 | 0.0 | 1014 | 0.0 | 1114 | 0.0 | 1214 | 0.0 | 1314 | 0.0 | 1414 | 0.0 | 1514 | 0.0 | 1614 | 0.0 |
| IMPL-G | 715 | 0.0 | 815 | 0.0 | 915 | 0.0 | 1015 | 0.0 | 1115 | 0.0 | 1215 | 0.0 | 1315 | 0.0 | 1415 | 0.0 | 1515 | 0.0 | 1615 | 0.0 |
| IMPL-H | 716 | 0.0 | 816 | 0.0 | 916 | 0.0 | 1016 | 0.0 | 1116 | 0.0 | 1216 | 0.0 | 1316 | 0.0 | 1416 | 0.0 | 1516 | 0.0 | 1616 | 0.0 |
| IMPL-I | 717 | 0.0 | 817 | 0.0 | 917 | 0.0 | 1017 | 0.0 | 1117 | 0.0 | 1217 | 0.0 | 1317 | 0.0 | 1417 | 0.0 | 1517 | 0.0 | 1617 | 0.0 |
| IMPL-J | 718 | 0.0 | 818 | 0.0 | 918 | 0.0 | 1018 | 0.0 | 1118 | 0.0 | 1218 | 0.0 | 1318 | 0.0 | 1418 | 0.0 | 1518 | 0.0 | 1618 | 0.0 |
| IMPL-K | 719 | 0.0 | 819 | 0.0 | 919 | 0.0 | 1019 | 0.0 | 1119 | 0.0 | 1219 | 0.0 | 1319 | 0.0 | 1419 | 0.0 | 1519 | 0.0 | 1619 | 0.0 |
| IMPL-L | 720 | 0.0 | 820 | 0.0 | 920 | 0.0 | 1020 | 0.0 | 1120 | 0.0 | 1220 | 0.0 | 1320 | 0.0 | 1420 | 0.0 | 1520 | 0.0 | 1620 | 0.0 |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

4/15/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 700 | 0.0 | 800 | 0.0 | 900 | 0.0 | 1000 | 0.0 | 1100 | 0.0 | 1200 | 0.0 | 1300 | 0.0 | 1400 | 0.0 | 1500 | 0.0 | N/A | N/A |
| SAM-2 | 702 | 0.0 | 802 | 0.0 | 902 | 0.0 | 1002 | 0.0 | 1102 | 0.0 | 1202 | 0.0 | 1302 | 0.0 | 1402 | 0.0 | 1502 | 0.0 | N/A | N/A |
| SAM-3 | 704 | 0.0 | 804 | 0.0 | 904 | 0.0 | 1003 | 0.0 | 1105 | 0.0 | 1205 | 0.0 | 1305 | 0.0 | 1405 | 0.0 | 1505 | 0.0 | N/A | N/A |
| SAM-4 | 707 | 0.0 | 807 | 0.0 | 907 | 0.0 | 1006 | 0.0 | 1108 | 0.0 | 1208 | 0.0 | 1308 | 0.0 | 1408 | 0.0 | 1508 | 0.0 | N/A | N/A |
| IMPL-A | 708 | 0.0 | 808 | 0.0 | 908 | 0.0 | 1007 | 0.0 | 1109 | 0.0 | 1209 | 0.0 | 1309 | 0.0 | 1409 | 0.0 | 1509 | 0.0 | N/A | N/A |
| IMPL-B | 709 | 0.0 | 809 | 0.0 | 909 | 0.0 | 1008 | 0.0 | 1110 | 0.0 | 1210 | 0.0 | 1310 | 0.0 | 1410 | 0.0 | 1510 | 0.0 | N/A | N/A |
| IMPL-C | 710 | 0.0 | 810 | 0.0 | 910 | 0.0 | 1009 | 0.0 | 1111 | 0.0 | 1211 | 0.0 | 1311 | 0.0 | 1411 | 0.0 | 1511 | 0.0 | N/A | N/A |
| IMPL-D | 711 | 0.0 | 811 | 0.0 | 911 | 0.0 | 1010 | 0.0 | 1112 | 0.0 | 1212 | 0.0 | 1312 | 0.0 | 1412 | 0.0 | 1512 | 0.0 | N/A | N/A |
| IMPL-E | 712 | 0.0 | 812 | 0.0 | 912 | 0.0 | 1011 | 0.0 | 1113 | 0.0 | 1213 | 0.0 | 1313 | 0.0 | 1413 | 0.0 | 1513 | 0.0 | N/A | N/A |
| IMPL-F | 713 | 0.0 | 813 | 0.0 | 913 | 0.0 | 1012 | 0.0 | 1114 | 0.0 | 1214 | 0.0 | 1314 | 0.0 | 1414 | 0.0 | 1514 | 0.0 | N/A | N/A |
| IMPL-G | 714 | 0.0 | 814 | 0.0 | 914 | 0.0 | 1013 | 0.0 | 1115 | 0.0 | 1215 | 0.0 | 1315 | 0.0 | 1415 | 0.0 | 1515 | 0.0 | N/A | N/A |
| IMPL-H | 715 | 0.0 | 815 | 0.0 | 915 | 0.0 | 1014 | 0.0 | 1116 | 0.0 | 1216 | 0.0 | 1316 | 0.0 | 1416 | 0.0 | 1516 | 0.0 | N/A | N/A |
| IMPL-I | 716 | 0.0 | 816 | 0.0 | 916 | 0.0 | 1015 | 0.0 | 1117 | 0.0 | 1217 | 0.0 | 1317 | 0.0 | 1417 | 0.0 | 1517 | 0.0 | N/A | N/A |
| IMPL-J | 717 | 0.0 | 817 | 0.0 | 917 | 0.0 | 1016 | 0.0 | 1118 | 0.0 | 1218 | 0.0 | 1318 | 0.0 | 1418 | 0.0 | 1518 | 0.0 | N/A | N/A |
| IMPL-K | 718 | 0.0 | 818 | 0.0 | 918 | 0.0 | 1017 | 0.0 | 1119 | 0.0 | 1219 | 0.0 | 1319 | 0.0 | 1419 | 0.0 | 1519 | 0.0 | N/A | N/A |
| IMPL-L | 719 | 0.0 | 819 | 0.0 | 919 | 0.0 | 1018 | 0.0 | 1120 | 0.0 | 1220 | 0.0 | 1320 | 0.0 | 1420 | 0.0 | 1520 | 0.0 | N/A | N/A |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 4:00 pm

4/18/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 749 | 0.0 | 804 | 0.0 | 904 | 0.0 | 1004 | 0.0 | 1104 | 0.0 | 1204 | 0.0 | 1304 | 0.0 | 1404 | 0.0 | 1504 | 0.0 | 1604 | 0.0 |
| SAM-2 | 746 | 0.0 | 801 | 0.0 | 901 | 0.0 | 1001 | 0.0 | 1101 | 0.0 | 1201 | 0.0 | 1301 | 0.0 | 1401 | 0.0 | 1501 | 0.0 | 1601 | 0.0 |
| SAM-3 | 757 | 0.0 | 812 | 0.0 | 912 | 0.0 | 1012 | 0.0 | 1112 | 0.0 | 1212 | 0.0 | 1312 | 0.0 | 1412 | 0.0 | 1512 | 0.0 | 1612 | 0.0 |
| SAM-4 | 752 | 0.0 | 807 | 0.0 | 907 | 0.0 | 1007 | 0.0 | 1107 | 0.0 | 1207 | 0.0 | 1307 | 0.0 | 1407 | 0.0 | 1507 | 0.0 | 1607 | 0.0 |
| IMPL-A | 745 | 0.0 | 800 | 0.0 | 900 | 0.0 | 1000 | 0.0 | 1100 | 0.0 | 1200 | 0.0 | 1300 | 0.0 | 1400 | 0.0 | 1500 | 0.0 | 1600 | 0.0 |
| IMPL-B | 746 | 0.0 | 801 | 0.0 | 901 | 0.0 | 1001 | 0.0 | 1101 | 0.0 | 1201 | 0.0 | 1301 | 0.0 | 1401 | 0.0 | 1501 | 0.0 | 1601 | 0.0 |
| IMPL-C | 747 | 0.0 | 802 | 0.0 | 902 | 0.0 | 1002 | 0.0 | 1102 | 0.0 | 1202 | 0.0 | 1302 | 0.0 | 1402 | 0.0 | 1502 | 0.0 | 1602 | 0.0 |
| IMPL-D | 748 | 0.0 | 803 | 0.0 | 903 | 0.0 | 1003 | 0.0 | 1103 | 0.0 | 1203 | 0.0 | 1303 | 0.0 | 1403 | 0.0 | 1503 | 0.0 | 1603 | 0.0 |
| IMPL-E | 750 | 0.0 | 805 | 0.0 | 905 | 0.0 | 1005 | 0.0 | 1105 | 0.0 | 1205 | 0.0 | 1305 | 0.0 | 1405 | 0.0 | 1505 | 0.0 | 1605 | 0.0 |
| IMPL-F | 751 | 0.0 | 806 | 0.0 | 906 | 0.0 | 1006 | 0.0 | 1106 | 0.0 | 1206 | 0.0 | 1306 | 0.0 | 1406 | 0.0 | 1506 | 0.0 | 1606 | 0.0 |
| IMPL-G | 753 | 0.0 | 808 | 0.0 | 908 | 0.0 | 1008 | 0.0 | 1108 | 0.0 | 1208 | 0.0 | 1308 | 0.0 | 1408 | 0.0 | 1508 | 0.0 | 1608 | 0.0 |
| IMPL-H | 754 | 0.0 | 809 | 0.0 | 909 | 0.0 | 1009 | 0.0 | 1109 | 0.0 | 1209 | 0.0 | 1309 | 0.0 | 1409 | 0.0 | 1509 | 0.0 | 1609 | 0.0 |
| IMPL-I | 755 | 0.0 | 810 | 0.0 | 910 | 0.0 | 1010 | 0.0 | 1110 | 0.0 | 1210 | 0.0 | 1310 | 0.0 | 1410 | 0.0 | 1510 | 0.0 | 1610 | 0.0 |
| IMPL-J | 756 | 0.0 | 811 | 0.0 | 911 | 0.0 | 1011 | 0.0 | 1111 | 0.0 | 1211 | 0.0 | 1311 | 0.0 | 1411 | 0.0 | 1511 | 0.0 | 1611 | 0.0 |
| IMPL-K | 758 | 0.0 | 813 | 0.0 | 913 | 0.0 | 1013 | 0.0 | 1113 | 0.0 | 1213 | 0.0 | 1313 | 0.0 | 1413 | 0.0 | 1513 | 0.0 | 1613 | 0.0 |
| IMPL-L | 759 | 0.0 | 814 | 0.0 | 914 | 0.0 | 1014 | 0.0 | 1114 | 0.0 | 1214 | 0.0 | 1314 | 0.0 | 1414 | 0.0 | 1514 | 0.0 | 1614 | 0.0 |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

4/19/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 734 | 0.0 | 804 | 0.0 | 904 | 0.0 | 1004 | 0.0 | 1104 | 0.0 | 1204 | 0.0 | 1304 | 0.0 | 1404 | 0.0 | 1504 | 0.0 | 1604 | 0.0 |
| SAM-2 | 731 | 0.0 | 801 | 0.0 | 901 | 0.0 | 1001 | 0.0 | 1101 | 0.0 | 1201 | 0.0 | 1301 | 0.0 | 1401 | 0.0 | 1501 | 0.0 | 1601 | 0.0 |
| SAM-3 | 742 | 0.0 | 812 | 0.0 | 912 | 0.0 | 1012 | 0.0 | 1112 | 0.0 | 1212 | 0.0 | 1312 | 0.0 | 1412 | 0.0 | 1512 | 0.0 | 1612 | 0.0 |
| SAM-4 | 737 | 0.0 | 807 | 0.0 | 907 | 0.0 | 1007 | 0.0 | 1107 | 0.0 | 1207 | 0.0 | 1307 | 0.0 | 1407 | 0.0 | 1507 | 0.0 | 1607 | 0.0 |
| IMPL-A | 730 | 0.0 | 800 | 0.0 | 900 | 0.0 | 1000 | 0.0 | 1100 | 0.0 | 1200 | 0.0 | 1300 | 0.0 | 1400 | 0.0 | 1500 | 0.0 | 1600 | 0.0 |
| IMPL-B | 731 | 0.0 | 801 | 0.0 | 901 | 0.0 | 1001 | 0.0 | 1101 | 0.0 | 1201 | 0.0 | 1301 | 0.0 | 1401 | 0.0 | 1501 | 0.0 | 1601 | 0.0 |
| IMPL-C | 732 | 0.0 | 802 | 0.0 | 902 | 0.0 | 1002 | 0.0 | 1102 | 0.0 | 1202 | 0.0 | 1302 | 0.0 | 1402 | 0.0 | 1502 | 0.0 | 1602 | 0.0 |
| IMPL-D | 733 | 0.0 | 803 | 0.0 | 903 | 0.0 | 1003 | 0.0 | 1103 | 0.0 | 1203 | 0.0 | 1303 | 0.0 | 1403 | 0.0 | 1503 | 0.0 | 1603 | 0.0 |
| IMPL-E | 735 | 0.0 | 805 | 0.0 | 905 | 0.0 | 1005 | 0.0 | 1105 | 0.0 | 1205 | 0.0 | 1305 | 0.0 | 1405 | 0.0 | 1505 | 0.0 | 1605 | 0.0 |
| IMPL-F | 736 | 0.0 | 806 | 0.0 | 906 | 0.0 | 1006 | 0.0 | 1106 | 0.0 | 1206 | 0.0 | 1306 | 0.0 | 1406 | 0.0 | 1506 | 0.0 | 1606 | 0.0 |
| IMPL-G | 738 | 0.0 | 808 | 0.0 | 908 | 0.0 | 1008 | 0.0 | 1108 | 0.0 | 1208 | 0.0 | 1308 | 0.0 | 1408 | 0.0 | 1508 | 0.0 | 1608 | 0.0 |
| IMPL-H | 739 | 0.0 | 809 | 0.0 | 909 | 0.0 | 1009 | 0.0 | 1109 | 0.0 | 1209 | 0.0 | 1309 | 0.0 | 1409 | 0.0 | 1509 | 0.0 | 1609 | 0.0 |
| IMPL-I | 740 | 0.0 | 810 | 0.0 | 910 | 0.0 | 1010 | 0.0 | 1110 | 0.0 | 1210 | 0.0 | 1310 | 0.0 | 1410 | 0.0 | 1510 | 0.0 | 1610 | 0.0 |
| IMPL-J | 741 | 0.0 | 811 | 0.0 | 911 | 0.0 | 1011 | 0.0 | 1111 | 0.0 | 1211 | 0.0 | 1311 | 0.0 | 1411 | 0.0 | 1511 | 0.0 | 1611 | 0.0 |
| IMPL-K | 743 | 0.0 | 813 | 0.0 | 913 | 0.0 | 1013 | 0.0 | 1113 | 0.0 | 1213 | 0.0 | 1313 | 0.0 | 1413 | 0.0 | 1513 | 0.0 | 1613 | 0.0 |
| IMPL-L | 744 | 0.0 | 814 | 0.0 | 914 | 0.0 | 1014 | 0.0 | 1114 | 0.0 | 1214 | 0.0 | 1314 | 0.0 | 1414 | 0.0 | 1514 | 0.0 | 1614 | 0.0 |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

4/20/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 704 | 0.0 | 804 | 0.0 | 904 | 0.0 | 1004 | 0.0 | 1104 | 0.0 | 1204 | 0.0 | 1304 | 0.0 | 1404 | 0.0 | 1504 | 0.0 | 1604 | 0.0 |
| SAM-2 | 701 | 0.0 | 801 | 0.0 | 901 | 0.0 | 1001 | 0.0 | 1101 | 0.0 | 1201 | 0.0 | 1301 | 0.0 | 1401 | 0.0 | 1501 | 0.0 | 1601 | 0.0 |
| SAM-3 | 712 | 0.0 | 812 | 0.0 | 912 | 0.0 | 1012 | 0.0 | 1112 | 0.0 | 1212 | 0.0 | 1312 | 0.0 | 1412 | 0.0 | 1512 | 0.0 | 1612 | 0.0 |
| SAM-4 | 707 | 0.0 | 807 | 0.0 | 907 | 0.0 | 1007 | 0.0 | 1107 | 0.0 | 1207 | 0.0 | 1307 | 0.0 | 1407 | 0.0 | 1507 | 0.0 | 1607 | 0.0 |
| IMPL-A | 700 | 0.0 | 800 | 0.0 | 900 | 0.0 | 1000 | 0.0 | 1100 | 0.0 | 1200 | 0.0 | 1300 | 0.0 | 1400 | 0.0 | 1500 | 0.0 | 1600 | 0.0 |
| IMPL-B | 701 | 0.0 | 801 | 0.0 | 901 | 0.0 | 1001 | 0.0 | 1101 | 0.0 | 1201 | 0.0 | 1301 | 0.0 | 1401 | 0.0 | 1501 | 0.0 | 1601 | 0.0 |
| IMPL-C | 702 | 0.0 | 802 | 0.0 | 902 | 0.0 | 1002 | 0.0 | 1102 | 0.0 | 1202 | 0.0 | 1302 | 0.0 | 1402 | 0.0 | 1502 | 0.0 | 1602 | 0.0 |
| IMPL-D | 703 | 0.0 | 803 | 0.0 | 903 | 0.0 | 1003 | 0.0 | 1103 | 0.0 | 1203 | 0.0 | 1303 | 0.0 | 1403 | 0.0 | 1503 | 0.0 | 1603 | 0.0 |
| IMPL-E | 705 | 0.0 | 805 | 0.0 | 905 | 0.0 | 1005 | 0.0 | 1105 | 0.0 | 1205 | 0.0 | 1305 | 0.0 | 1405 | 0.0 | 1505 | 0.0 | 1605 | 0.0 |
| IMPL-F | 706 | 0.0 | 806 | 0.0 | 906 | 0.0 | 1006 | 0.0 | 1106 | 0.0 | 1206 | 0.0 | 1306 | 0.0 | 1406 | 0.0 | 1506 | 0.0 | 1606 | 0.0 |
| IMPL-G | 708 | 0.0 | 808 | 0.0 | 908 | 0.0 | 1008 | 0.0 | 1108 | 0.0 | 1208 | 0.0 | 1308 | 0.0 | 1408 | 0.0 | 1508 | 0.0 | 1608 | 0.0 |
| IMPL-H | 709 | 0.0 | 809 | 0.0 | 909 | 0.0 | 1009 | 0.0 | 1109 | 0.0 | 1209 | 0.0 | 1309 | 0.0 | 1409 | 0.0 | 1509 | 0.0 | 1609 | 0.0 |
| IMPL-I | 710 | 0.0 | 810 | 0.0 | 910 | 0.0 | 1010 | 0.0 | 1110 | 0.0 | 1210 | 0.0 | 1310 | 0.0 | 1410 | 0.0 | 1510 | 0.0 | 1610 | 0.0 |
| IMPL-J | 711 | 0.0 | 811 | 0.0 | 911 | 0.0 | 1011 | 0.0 | 1111 | 0.0 | 1211 | 0.0 | 1311 | 0.0 | 1411 | 0.0 | 1511 | 0.0 | 1611 | 0.0 |
| IMPL-K | 713 | 0.0 | 813 | 0.0 | 913 | 0.0 | 1013 | 0.0 | 1113 | 0.0 | 1213 | 0.0 | 1313 | 0.0 | 1413 | 0.0 | 1513 | 0.0 | 1613 | 0.0 |
| IMPL-L | 714 | 0.0 | 814 | 0.0 | 914 | 0.0 | 1014 | 0.0 | 1114 | 0.0 | 1214 | 0.0 | 1314 | 0.0 | 1414 | 0.0 | 1514 | 0.0 | 1614 | 0.0 |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 PM.

4/21/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 734 | 0.0 | 819 | 0.0 | 904 | 0.0 | 1004 | 0.0 | 1104 | 0.0 | 1224 | 0.0 | 1304 | 0.0 | 1404 | 0.0 | 1504 | 0.0 | 1604 | 0.0 |
| SAM-2 | 731 | 0.0 | 816 | 0.0 | 901 | 0.0 | 1001 | 0.0 | 1101 | 0.0 | 1221 | 0.0 | 1301 | 0.0 | 1401 | 0.0 | 1501 | 0.0 | 1601 | 0.0 |
| SAM-3 | 742 | 0.0 | 827 | 0.0 | 912 | 0.0 | 1012 | 0.0 | 1112 | 0.0 | 1232 | 0.0 | 1312 | 0.0 | 1412 | 0.0 | 1512 | 0.0 | 1612 | 0.0 |
| SAM-4 | 737 | 0.0 | 822 | 0.0 | 907 | 0.0 | 1007 | 0.0 | 1107 | 0.0 | 1227 | 0.0 | 1307 | 0.0 | 1407 | 0.0 | 1507 | 0.0 | 1607 | 0.0 |
| IMPL-A | 730 | 0.0 | 815 | 0.0 | 900 | 0.0 | 1000 | 0.0 | 1100 | 0.0 | 1220 | 0.0 | 1300 | 0.0 | 1400 | 0.0 | 1500 | 0.0 | 1600 | 0.0 |
| IMPL-B | 731 | 0.0 | 816 | 0.0 | 901 | 0.0 | 1001 | 0.0 | 1101 | 0.0 | 1221 | 0.0 | 1301 | 0.0 | 1401 | 0.0 | 1501 | 0.0 | 1601 | 0.0 |
| IMPL-C | 732 | 0.0 | 817 | 0.0 | 902 | 0.0 | 1002 | 0.0 | 1102 | 0.0 | 1222 | 0.0 | 1302 | 0.0 | 1402 | 0.0 | 1502 | 0.0 | 1602 | 0.0 |
| IMPL-D | 733 | 0.0 | 818 | 0.0 | 903 | 0.0 | 1003 | 0.0 | 1103 | 0.0 | 1223 | 0.0 | 1303 | 0.0 | 1403 | 0.0 | 1503 | 0.0 | 1603 | 0.0 |
| IMPL-E | 735 | 0.0 | 820 | 0.0 | 905 | 0.0 | 1005 | 0.0 | 1105 | 0.0 | 1225 | 0.0 | 1305 | 0.0 | 1405 | 0.0 | 1505 | 0.0 | 1605 | 0.0 |
| IMPL-F | 736 | 0.0 | 821 | 0.0 | 906 | 0.0 | 1006 | 0.0 | 1106 | 0.0 | 1226 | 0.0 | 1306 | 0.0 | 1406 | 0.0 | 1506 | 0.0 | 1606 | 0.0 |
| IMPL-G | 738 | 0.0 | 823 | 0.0 | 908 | 0.0 | 1008 | 0.0 | 1108 | 0.0 | 1228 | 0.0 | 1308 | 0.0 | 1408 | 0.0 | 1508 | 0.0 | 1608 | 0.0 |
| IMPL-H | 739 | 0.0 | 824 | 0.0 | 909 | 0.0 | 1009 | 0.0 | 1109 | 0.0 | 1229 | 0.0 | 1309 | 0.0 | 1409 | 0.0 | 1509 | 0.0 | 1609 | 0.0 |
| IMPL-I | 740 | 0.0 | 825 | 0.0 | 910 | 0.0 | 1010 | 0.0 | 1110 | 0.0 | 1230 | 0.0 | 1310 | 0.0 | 1410 | 0.0 | 1510 | 0.0 | 1610 | 0.0 |
| IMPL-J | 741 | 0.0 | 826 | 0.0 | 911 | 0.0 | 1011 | 0.0 | 1111 | 0.0 | 1231 | 0.0 | 1311 | 0.0 | 1411 | 0.0 | 1511 | 0.0 | 1611 | 0.0 |
| IMPL-K | 743 | 0.0 | 828 | 0.0 | 913 | 0.0 | 1013 | 0.0 | 1113 | 0.0 | 1233 | 0.0 | 1313 | 0.0 | 1413 | 0.0 | 1513 | 0.0 | 1613 | 0.0 |
| IMPL-L | 744 | 0.0 | 829 | 0.0 | 914 | 0.0 | 1014 | 0.0 | 1114 | 0.0 | 1234 | 0.0 | 1314 | 0.0 | 1414 | 0.0 | 1514 | 0.0 | 1614 | 0.0 |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

4/22/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 734 | 0.0 | 804 | 0.0 | 904 | 0.0 | 1004 | 0.0 | 1104 | 0.0 | 1224 | 0.0 | 1304 | 0.0 | 1404 | 0.0 | 1504 | 0.0 | 1604 | 0.0 |
| SAM-2 | 731 | 0.0 | 801 | 0.0 | 901 | 0.0 | 1001 | 0.0 | 1101 | 0.0 | 1221 | 0.0 | 1301 | 0.0 | 1401 | 0.0 | 1501 | 0.0 | 1601 | 0.0 |
| SAM-3 | 742 | 0.0 | 812 | 0.0 | 912 | 0.0 | 1012 | 0.0 | 1112 | 0.0 | 1232 | 0.0 | 1312 | 0.0 | 1412 | 0.0 | 1512 | 0.0 | 1612 | 0.0 |
| SAM-4 | 737 | 0.0 | 807 | 0.0 | 907 | 0.0 | 1007 | 0.0 | 1107 | 0.0 | 1227 | 0.0 | 1307 | 0.0 | 1407 | 0.0 | 1507 | 0.0 | 1607 | 0.0 |
| IMPL-A | 730 | 0.0 | 800 | 0.0 | 900 | 0.0 | 1000 | 0.0 | 1100 | 0.0 | 1220 | 0.0 | 1300 | 0.0 | 1400 | 0.0 | 1500 | 0.0 | 1600 | 0.0 |
| IMPL-B | 731 | 0.0 | 801 | 0.0 | 901 | 0.0 | 1001 | 0.0 | 1101 | 0.0 | 1221 | 0.0 | 1301 | 0.0 | 1401 | 0.0 | 1501 | 0.0 | 1601 | 0.0 |
| IMPL-C | 732 | 0.0 | 802 | 0.0 | 902 | 0.0 | 1002 | 0.0 | 1102 | 0.0 | 1222 | 0.0 | 1302 | 0.0 | 1402 | 0.0 | 1502 | 0.0 | 1602 | 0.0 |
| IMPL-D | 733 | 0.0 | 803 | 0.0 | 903 | 0.0 | 1003 | 0.0 | 1103 | 0.0 | 1223 | 0.0 | 1303 | 0.0 | 1403 | 0.0 | 1503 | 0.0 | 1603 | 0.0 |
| IMPL-E | 735 | 0.0 | 805 | 0.0 | 905 | 0.0 | 1005 | 0.0 | 1105 | 0.0 | 1225 | 0.0 | 1305 | 0.0 | 1405 | 0.0 | 1505 | 0.0 | 1605 | 0.0 |
| IMPL-F | 736 | 0.0 | 806 | 0.0 | 906 | 0.0 | 1006 | 0.0 | 1106 | 0.0 | 1226 | 0.0 | 1306 | 0.0 | 1406 | 0.0 | 1506 | 0.0 | 1606 | 0.0 |
| IMPL-G | 738 | 0.0 | 808 | 0.0 | 908 | 0.0 | 1008 | 0.0 | 1108 | 0.0 | 1228 | 0.0 | 1308 | 0.0 | 1408 | 0.0 | 1508 | 0.0 | 1608 | 0.0 |
| IMPL-H | 739 | 0.0 | 809 | 0.0 | 909 | 0.0 | 1009 | 0.0 | 1109 | 0.0 | 1229 | 0.0 | 1309 | 0.0 | 1409 | 0.0 | 1509 | 0.0 | 1609 | 0.0 |
| IMPL-I | 740 | 0.0 | 810 | 0.0 | 910 | 0.0 | 1010 | 0.0 | 1110 | 0.0 | 1230 | 0.0 | 1310 | 0.0 | 1410 | 0.0 | 1510 | 0.0 | 1610 | 0.0 |
| IMPL-J | 741 | 0.0 | 811 | 0.0 | 911 | 0.0 | 1011 | 0.0 | 1111 | 0.0 | 1231 | 0.0 | 1311 | 0.0 | 1411 | 0.0 | 1511 | 0.0 | 1611 | 0.0 |
| IMPL-K | 743 | 0.0 | 813 | 0.0 | 913 | 0.0 | 1013 | 0.0 | 1113 | 0.0 | 1233 | 0.0 | 1313 | 0.0 | 1413 | 0.0 | 1513 | 0.0 | 1613 | 0.0 |
| IMPL-L | 744 | 0.0 | 814 | 0.0 | 914 | 0.0 | 1014 | 0.0 | 1114 | 0.0 | 1234 | 0.0 | 1314 | 0.0 | 1414 | 0.0 | 1514 | 0.0 | 1614 | 0.0 |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

4/25/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 734 | 0.0 | 804 | 0.0 | 904 | 0.0 | 1004 | 0.0 | 1104 | 0.0 | 1224 | 0.0 | 1304 | 0.0 | 1404 | 0.0 | 1504 | 0.0 | 1604 | 0.0 |
| SAM-2 | 731 | 0.0 | 801 | 0.0 | 901 | 0.0 | 1001 | 0.0 | 1101 | 0.0 | 1221 | 0.0 | 1301 | 0.0 | 1401 | 0.0 | 1501 | 0.0 | 1601 | 0.0 |
| SAM-3 | 742 | 0.0 | 812 | 0.0 | 912 | 0.0 | 1012 | 0.0 | 1112 | 0.0 | 1232 | 0.0 | 1312 | 0.0 | 1412 | 0.0 | 1512 | 0.0 | 1612 | 0.0 |
| SAM-4 | 737 | 0.0 | 807 | 0.0 | 907 | 0.0 | 1007 | 0.0 | 1107 | 0.0 | 1227 | 0.0 | 1307 | 0.0 | 1407 | 0.0 | 1507 | 0.0 | 1607 | 0.0 |
| IMPL-A | 730 | 0.0 | 800 | 0.0 | 900 | 0.0 | 1000 | 0.0 | 1100 | 0.0 | 1220 | 0.0 | 1300 | 0.0 | 1400 | 0.0 | 1500 | 0.0 | 1600 | 0.0 |
| IMPL-B | 731 | 0.0 | 801 | 0.0 | 901 | 0.0 | 1001 | 0.0 | 1101 | 0.0 | 1221 | 0.0 | 1301 | 0.0 | 1401 | 0.0 | 1501 | 0.0 | 1601 | 0.0 |
| IMPL-C | 732 | 0.0 | 802 | 0.0 | 902 | 0.0 | 1002 | 0.0 | 1102 | 0.0 | 1222 | 0.0 | 1302 | 0.0 | 1402 | 0.0 | 1502 | 0.0 | 1602 | 0.0 |
| IMPL-D | 733 | 0.0 | 803 | 0.0 | 903 | 0.0 | 1003 | 0.0 | 1103 | 0.0 | 1223 | 0.0 | 1303 | 0.0 | 1403 | 0.0 | 1503 | 0.0 | 1603 | 0.0 |
| IMPL-E | 735 | 0.0 | 805 | 0.0 | 905 | 0.0 | 1005 | 0.0 | 1105 | 0.0 | 1225 | 0.0 | 1305 | 0.0 | 1405 | 0.0 | 1505 | 0.0 | 1605 | 0.0 |
| IMPL-F | 736 | 0.0 | 806 | 0.0 | 906 | 0.0 | 1006 | 0.0 | 1106 | 0.0 | 1226 | 0.0 | 1306 | 0.0 | 1406 | 0.0 | 1506 | 0.0 | 1606 | 0.0 |
| IMPL-G | 738 | 0.0 | 808 | 0.0 | 908 | 0.0 | 1008 | 0.0 | 1108 | 0.0 | 1228 | 0.0 | 1308 | 0.0 | 1408 | 0.0 | 1508 | 0.0 | 1608 | 0.0 |
| IMPL-H | 739 | 0.0 | 809 | 0.0 | 909 | 0.0 | 1009 | 0.0 | 1109 | 0.0 | 1229 | 0.0 | 1309 | 0.0 | 1409 | 0.0 | 1509 | 0.0 | 1609 | 0.0 |
| IMPL-I | 740 | 0.0 | 810 | 0.0 | 910 | 0.0 | 1010 | 0.0 | 1110 | 0.0 | 1230 | 0.0 | 1310 | 0.0 | 1410 | 0.0 | 1510 | 0.0 | 1610 | 0.0 |
| IMPL-J | 741 | 0.0 | 811 | 0.0 | 911 | 0.0 | 1011 | 0.0 | 1111 | 0.0 | 1231 | 0.0 | 1311 | 0.0 | 1411 | 0.0 | 1511 | 0.0 | 1611 | 0.0 |
| IMPL-K | 743 | 0.0 | 813 | 0.0 | 913 | 0.0 | 1013 | 0.0 | 1113 | 0.0 | 1233 | 0.0 | 1313 | 0.0 | 1413 | 0.0 | 1513 | 0.0 | 1613 | 0.0 |
| IMPL-L | 744 | 0.0 | 814 | 0.0 | 914 | 0.0 | 1014 | 0.0 | 1114 | 0.0 | 1234 | 0.0 | 1314 | 0.0 | 1414 | 0.0 | 1514 | 0.0 | 1614 | 0.0 |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

4/26/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 734 | 0.0 | 804 | 0.0 | 934 | 0.0 | 1004 | 0.0 | 1104 | 0.0 | 1224 | 0.0 | 1304 | 0.0 | 1404 | 0.0 | 1504 | 0.0 | NA | NA |
| SAM-2 | 731 | 0.0 | 801 | 0.0 | 931 | 0.0 | 1001 | 0.0 | 1101 | 0.0 | 1221 | 0.0 | 1301 | 0.0 | 1401 | 0.0 | 1501 | 0.0 | NA | NA |
| SAM-3 | 742 | 0.0 | 812 | 0.0 | 942 | 0.0 | 1012 | 0.0 | 1112 | 0.0 | 1232 | 0.0 | 1312 | 0.0 | 1412 | 0.0 | 1512 | 0.0 | NA | NA |
| SAM-4 | 737 | 0.0 | 807 | 0.0 | 937 | 0.0 | 1007 | 0.0 | 1107 | 0.0 | 1227 | 0.0 | 1307 | 0.0 | 1407 | 0.0 | 1507 | 0.0 | NA | NA |
| IMPL-A | 730 | 0.0 | 800 | 0.0 | 930 | 0.0 | 1000 | 0.0 | 1100 | 0.0 | 1220 | 0.0 | 1300 | 0.0 | 1400 | 0.0 | 1500 | 0.0 | NA | NA |
| IMPL-B | 731 | 0.0 | 801 | 0.0 | 931 | 0.0 | 1001 | 0.0 | 1101 | 0.0 | 1221 | 0.0 | 1301 | 0.0 | 1401 | 0.0 | 1501 | 0.0 | NA | NA |
| IMPL-C | 732 | 0.0 | 802 | 0.0 | 932 | 0.0 | 1002 | 0.0 | 1102 | 0.0 | 1222 | 0.0 | 1302 | 0.0 | 1402 | 0.0 | 1502 | 0.0 | NA | NA |
| IMPL-D | 733 | 0.0 | 803 | 0.0 | 933 | 0.0 | 1003 | 0.0 | 1103 | 0.0 | 1223 | 0.0 | 1303 | 0.0 | 1403 | 0.0 | 1503 | 0.0 | NA | NA |
| IMPL-E | 735 | 0.0 | 805 | 0.0 | 935 | 0.0 | 1005 | 0.0 | 1105 | 0.0 | 1225 | 0.0 | 1305 | 0.0 | 1405 | 0.0 | 1505 | 0.0 | NA | NA |
| IMPL-F | 736 | 0.0 | 806 | 0.0 | 936 | 0.0 | 1006 | 0.0 | 1106 | 0.0 | 1226 | 0.0 | 1306 | 0.0 | 1406 | 0.0 | 1506 | 0.0 | NA | NA |
| IMPL-G | 738 | 0.0 | 808 | 0.0 | 938 | 0.0 | 1008 | 0.0 | 1108 | 0.0 | 1228 | 0.0 | 1308 | 0.0 | 1408 | 0.0 | 1508 | 0.0 | NA | NA |
| IMPL-H | 739 | 0.0 | 809 | 0.0 | 939 | 0.0 | 1009 | 0.0 | 1109 | 0.0 | 1229 | 0.0 | 1309 | 0.0 | 1409 | 0.0 | 1509 | 0.0 | NA | NA |
| IMPL-I | 740 | 0.0 | 810 | 0.0 | 940 | 0.0 | 1010 | 0.0 | 1110 | 0.0 | 1230 | 0.0 | 1310 | 0.0 | 1410 | 0.0 | 1510 | 0.0 | NA | NA |
| IMPL-J | 741 | 0.0 | 811 | 0.0 | 941 | 0.0 | 1011 | 0.0 | 1111 | 0.0 | 1231 | 0.0 | 1311 | 0.0 | 1411 | 0.0 | 1511 | 0.0 | NA | NA |
| IMPL-K | 743 | 0.0 | 813 | 0.0 | 943 | 0.0 | 1013 | 0.0 | 1113 | 0.0 | 1233 | 0.0 | 1313 | 0.0 | 1413 | 0.0 | 1513 | 0.0 | NA | NA |
| IMPL-L | 744 | 0.0 | 814 | 0.0 | 944 | 0.0 | 1014 | 0.0 | 1114 | 0.0 | 1234 | 0.0 | 1314 | 0.0 | 1414 | 0.0 | 1514 | 0.0 | NA | NA |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 3:30 pm

4/27/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 734 | 0.0 | 804 | 0.0 | 934 | 0.0 | 1004 | 0.0 | 1104 | 0.0 | 1224 | 0.0 | 1304 | 0.0 | 1404 | 0.0 | 1504 | 0.0 | NA | NA |
| SAM-2 | 731 | 0.0 | 801 | 0.0 | 931 | 0.0 | 1001 | 0.0 | 1101 | 0.0 | 1221 | 0.0 | 1301 | 0.0 | 1401 | 0.0 | 1501 | 0.0 | NA | NA |
| SAM-3 | 742 | 0.0 | 812 | 0.0 | 942 | 0.0 | 1012 | 0.0 | 1112 | 0.0 | 1232 | 0.0 | 1312 | 0.0 | 1412 | 0.0 | 1512 | 0.0 | NA | NA |
| SAM-4 | 737 | 0.0 | 807 | 0.0 | 937 | 0.0 | 1007 | 0.0 | 1107 | 0.0 | 1227 | 0.0 | 1307 | 0.0 | 1407 | 0.0 | 1507 | 0.0 | NA | NA |
| IMPL-A | 730 | 0.0 | 800 | 0.0 | 930 | 0.0 | 1000 | 0.0 | 1100 | 0.0 | 1220 | 0.0 | 1300 | 0.0 | 1400 | 0.0 | 1500 | 0.0 | NA | NA |
| IMPL-B | 731 | 0.0 | 801 | 0.0 | 931 | 0.0 | 1001 | 0.0 | 1101 | 0.0 | 1221 | 0.0 | 1301 | 0.0 | 1401 | 0.0 | 1501 | 0.0 | NA | NA |
| IMPL-C | 732 | 0.0 | 802 | 0.0 | 932 | 0.0 | 1002 | 0.0 | 1102 | 0.0 | 1222 | 0.0 | 1302 | 0.0 | 1402 | 0.0 | 1502 | 0.0 | NA | NA |
| IMPL-D | 733 | 0.0 | 803 | 0.0 | 933 | 0.0 | 1003 | 0.0 | 1103 | 0.0 | 1223 | 0.0 | 1303 | 0.0 | 1403 | 0.0 | 1503 | 0.0 | NA | NA |
| IMPL-E | 735 | 0.0 | 805 | 0.0 | 935 | 0.0 | 1005 | 0.0 | 1105 | 0.0 | 1225 | 0.0 | 1305 | 0.0 | 1405 | 0.0 | 1505 | 0.0 | NA | NA |
| IMPL-F | 736 | 0.0 | 806 | 0.0 | 936 | 0.0 | 1006 | 0.0 | 1106 | 0.0 | 1226 | 0.0 | 1306 | 0.0 | 1406 | 0.0 | 1506 | 0.0 | NA | NA |
| IMPL-G | 738 | 0.0 | 808 | 0.0 | 938 | 0.0 | 1008 | 0.0 | 1108 | 0.0 | 1228 | 0.0 | 1308 | 0.0 | 1408 | 0.0 | 1508 | 0.0 | NA | NA |
| IMPL-H | 739 | 0.0 | 809 | 0.0 | 939 | 0.0 | 1009 | 0.0 | 1109 | 0.0 | 1229 | 0.0 | 1309 | 0.0 | 1409 | 0.0 | 1509 | 0.0 | NA | NA |
| IMPL-I | 740 | 0.0 | 810 | 0.0 | 940 | 0.0 | 1010 | 0.0 | 1110 | 0.0 | 1230 | 0.0 | 1310 | 0.0 | 1410 | 0.0 | 1510 | 0.0 | NA | NA |
| IMPL-J | 741 | 0.0 | 811 | 0.0 | 941 | 0.0 | 1011 | 0.0 | 1111 | 0.0 | 1231 | 0.0 | 1311 | 0.0 | 1411 | 0.0 | 1511 | 0.0 | NA | NA |
| IMPL-K | 743 | 0.0 | 813 | 0.0 | 943 | 0.0 | 1013 | 0.0 | 1113 | 0.0 | 1233 | 0.0 | 1313 | 0.0 | 1413 | 0.0 | 1513 | 0.0 | NA | NA |
| IMPL-L | 744 | 0.0 | 814 | 0.0 | 944 | 0.0 | 1014 | 0.0 | 1114 | 0.0 | 1234 | 0.0 | 1314 | 0.0 | 1414 | 0.0 | 1514 | 0.0 | NA | NA |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 4:00 PM.

4/28/2022

| Site Name | Reading 1 | | Reading 2 | | Reading 3 | | Reading 4 | | Reading 5 | | Reading 6 | | Reading 7 | | Reading 8 | | Reading 9 | | Reading 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 734 | 0.0 | 804 | 0.0 | 934 | 0.0 | 1004 | 0.0 | 1104 | 0.0 | 1224 | 0.0 | 1304 | 0.0 | 1404 | 0.0 | 1504 | 0.0 | NA | NA |
| SAM-2 | 731 | 0.0 | 801 | 0.0 | 931 | 0.0 | 1001 | 0.0 | 1101 | 0.0 | 1221 | 0.0 | 1301 | 0.0 | 1401 | 0.0 | 1501 | 0.0 | NA | NA |
| SAM-3 | 742 | 0.0 | 812 | 0.0 | 942 | 0.0 | 1012 | 0.0 | 1112 | 0.0 | 1232 | 0.0 | 1312 | 0.0 | 1412 | 0.0 | 1512 | 0.0 | NA | NA |
| SAM-4 | 737 | 0.0 | 807 | 0.0 | 937 | 0.0 | 1007 | 0.0 | 1107 | 0.0 | 1227 | 0.0 | 1307 | 0.0 | 1407 | 0.0 | 1507 | 0.0 | NA | NA |
| IMPL-A | 730 | 0.0 | 800 | 0.0 | 930 | 0.0 | 1000 | 0.0 | 1100 | 0.0 | 1220 | 0.0 | 1300 | 0.0 | 1400 | 0.0 | 1500 | 0.0 | NA | NA |
| IMPL-B | 731 | 0.0 | 801 | 0.0 | 931 | 0.0 | 1001 | 0.0 | 1101 | 0.0 | 1221 | 0.0 | 1301 | 0.0 | 1401 | 0.0 | 1501 | 0.0 | NA | NA |
| IMPL-C | 732 | 0.0 | 802 | 0.0 | 932 | 0.0 | 1002 | 0.0 | 1102 | 0.0 | 1222 | 0.0 | 1302 | 0.0 | 1402 | 0.0 | 1502 | 0.0 | NA | NA |
| IMPL-D | 733 | 0.0 | 803 | 0.0 | 933 | 0.0 | 1003 | 0.0 | 1103 | 0.0 | 1223 | 0.0 | 1303 | 0.0 | 1403 | 0.0 | 1503 | 0.0 | NA | NA |
| IMPL-E | 735 | 0.0 | 805 | 0.0 | 935 | 0.0 | 1005 | 0.0 | 1105 | 0.0 | 1225 | 0.0 | 1305 | 0.0 | 1405 | 0.0 | 1505 | 0.0 | NA | NA |
| IMPL-F | 736 | 0.0 | 806 | 0.0 | 936 | 0.0 | 1006 | 0.0 | 1106 | 0.0 | 1226 | 0.0 | 1306 | 0.0 | 1406 | 0.0 | 1506 | 0.0 | NA | NA |
| IMPL-G | 738 | 0.0 | 808 | 0.0 | 938 | 0.0 | 1008 | 0.0 | 1108 | 0.0 | 1228 | 0.0 | 1308 | 0.0 | 1408 | 0.0 | 1508 | 0.0 | NA | NA |
| IMPL-H | 739 | 0.0 | 809 | 0.0 | 939 | 0.0 | 1009 | 0.0 | 1109 | 0.0 | 1229 | 0.0 | 1309 | 0.0 | 1409 | 0.0 | 1509 | 0.0 | NA | NA |
| IMPL-I | 740 | 0.0 | 810 | 0.0 | 940 | 0.0 | 1010 | 0.0 | 1110 | 0.0 | 1230 | 0.0 | 1310 | 0.0 | 1410 | 0.0 | 1510 | 0.0 | NA | NA |
| IMPL-J | 741 | 0.0 | 811 | 0.0 | 941 | 0.0 | 1011 | 0.0 | 1111 | 0.0 | 1231 | 0.0 | 1311 | 0.0 | 1411 | 0.0 | 1511 | 0.0 | NA | NA |
| IMPL-K | 743 | 0.0 | 813 | 0.0 | 943 | 0.0 | 1013 | 0.0 | 1113 | 0.0 | 1233 | 0.0 | 1313 | 0.0 | 1413 | 0.0 | 1513 | 0.0 | NA | NA |
| IMPL-L | 744 | 0.0 | 814 | 0.0 | 944 | 0.0 | 1014 | 0.0 | 1114 | 0.0 | 1234 | 0.0 | 1314 | 0.0 | 1414 | 0.0 | 1514 | 0.0 | NA | NA |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 4:00 pm

| 4/29/2022 | | | | |
|---|---|---|---|---|
| | Morning Reading | | Afternoon Reading | |
| Site Name | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 804 | 0.0 | 1304 | 0.0 |
| SAM-2 | 801 | 0.0 | 1301 | 0.0 |
| SAM-3 | 812 | 0.0 | 1312 | 0.0 |
| SAM-4 | 807 | 0.0 | 1307 | 0.0 |
| IMPL-A | 800 | 0.0 | 1300 | 0.0 |
| IMPL-B | 801 | 0.0 | 1301 | 0.0 |
| IMPL-C | 802 | 0.0 | 1302 | 0.0 |
| IMPL-D | 803 | 0.0 | 1303 | 0.0 |
| IMPL-E | 805 | 0.0 | 1305 | 0.0 |
| IMPL-F | 806 | 0.0 | 1306 | 0.0 |
| IMPL-G | 808 | 0.0 | 1308 | 0.0 |
| IMPL-H | 809 | 0.0 | 1309 | 0.0 |
| IMPL-I | 810 | 0.0 | 1310 | 0.0 |
| IMPL-J | 811 | 0.0 | 1311 | 0.0 |
| IMPL-K | 813 | 0.0 | 1313 | 0.0 |
| IMPL-L | 814 | 0.0 | 1314 | 0.0 |
| Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.<br>Measurements are made twice daily during post remediation | | | | |

| 4/30/2022 | | | | |
|---|---|---|---|---|
| | Morning Reading | | Afternoon Reading | |
| Site Name | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 804 | 0.0 | 1504 | 0.0 |
| SAM-2 | 801 | 0.0 | 1501 | 0.0 |
| SAM-3 | 812 | 0.0 | 1512 | 0.0 |
| SAM-4 | 807 | 0.0 | 1507 | 0.0 |
| IMPL-A | 800 | 0.0 | 1500 | 0.0 |
| IMPL-B | 801 | 0.0 | 1501 | 0.0 |
| IMPL-C | 802 | 0.0 | 1502 | 0.0 |
| IMPL-D | 803 | 0.0 | 1503 | 0.0 |
| IMPL-E | 805 | 0.0 | 1505 | 0.0 |
| IMPL-F | 806 | 0.0 | 1506 | 0.0 |
| IMPL-G | 808 | 0.0 | 1508 | 0.0 |
| IMPL-H | 809 | 0.0 | 1509 | 0.0 |
| IMPL-I | 810 | 0.0 | 1510 | 0.0 |
| IMPL-J | 811 | 0.0 | 1511 | 0.0 |
| IMPL-K | 813 | 0.0 | 1513 | 0.0 |
| IMPL-L | 814 | 0.0 | 1514 | 0.0 |
| Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.<br>Measurements are made twice daily during post remediation | | | | |

| 5/1/2022 | | | | |
|---|---|---|---|---|
| | Morning Reading | | Afternoon Reading | |
| Site Name | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 1004 | 0.0 | 1304 | 0.0 |
| SAM-2 | 1001 | 0.0 | 1301 | 0.0 |
| SAM-3 | 1012 | 0.0 | 1312 | 0.0 |
| SAM-4 | 1007 | 0.0 | 1307 | 0.0 |
| IMPL-A | 1000 | 0.0 | 1300 | 0.0 |
| IMPL-B | 1001 | 0.0 | 1301 | 0.0 |
| IMPL-C | 1002 | 0.0 | 1302 | 0.0 |
| IMPL-D | 1003 | 0.0 | 1303 | 0.0 |
| IMPL-E | 1005 | 0.0 | 1305 | 0.0 |
| IMPL-F | 1006 | 0.0 | 1306 | 0.0 |
| IMPL-G | 1008 | 0.0 | 1308 | 0.0 |
| IMPL-H | 1009 | 0.0 | 1309 | 0.0 |
| IMPL-I | 1010 | 0.0 | 1310 | 0.0 |
| IMPL-J | 1011 | 0.0 | 1311 | 0.0 |
| IMPL-K | 1013 | 0.0 | 1313 | 0.0 |
| IMPL-L | 1014 | 0.0 | 1314 | 0.0 |
| Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.<br>Measurements are made twice daily during post remediation | | | | |

| 5/2/2022 | | | | |
|---|---|---|---|---|
| | Morning Reading | | Afternoon Reading | |
| Site Name | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 804 | 0.0 | 1504 | 0.0 |
| SAM-2 | 801 | 0.0 | 1501 | 0.0 |
| SAM-3 | 812 | 0.0 | 1512 | 0.0 |
| SAM-4 | 807 | 0.0 | 1507 | 0.0 |
| IMPL-A | 800 | 0.0 | 1500 | 0.0 |
| IMPL-B | 801 | 0.0 | 1501 | 0.0 |
| IMPL-C | 802 | 0.0 | 1502 | 0.0 |
| IMPL-D | 803 | 0.0 | 1503 | 0.0 |
| IMPL-E | 805 | 0.0 | 1505 | 0.0 |
| IMPL-F | 806 | 0.0 | 1506 | 0.0 |
| IMPL-G | 808 | 0.0 | 1508 | 0.0 |
| IMPL-H | 809 | 0.0 | 1509 | 0.0 |
| IMPL-I | 810 | 0.0 | 1510 | 0.0 |
| IMPL-J | 811 | 0.0 | 1511 | 0.0 |
| IMPL-K | 813 | 0.0 | 1513 | 0.0 |
| IMPL-L | 814 | 0.0 | 1514 | 0.0 |
| Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.<br>Measurements are made twice daily during post remediation | | | | |

| 5/3/2022 | | | | |
|---|---|---|---|---|
| | Morning Reading | | Afternoon Reading | |
| Site Name | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 804 | 0.0 | 1504 | 0.0 |
| SAM-2 | 801 | 0.0 | 1501 | 0.0 |
| SAM-3 | 812 | 0.0 | 1512 | 0.0 |
| SAM-4 | 807 | 0.0 | 1507 | 0.0 |
| IMPL-A | 800 | 0.0 | 1500 | 0.0 |
| IMPL-B | 801 | 0.0 | 1501 | 0.0 |
| IMPL-C | 802 | 0.0 | 1502 | 0.0 |
| IMPL-D | 803 | 0.0 | 1503 | 0.0 |
| IMPL-E | 805 | 0.0 | 1505 | 0.0 |
| IMPL-F | 806 | 0.0 | 1506 | 0.0 |
| IMPL-G | 808 | 0.0 | 1508 | 0.0 |
| IMPL-H | 809 | 0.0 | 1509 | 0.0 |
| IMPL-I | 810 | 0.0 | 1510 | 0.0 |
| IMPL-J | 811 | 0.0 | 1511 | 0.0 |
| IMPL-K | 813 | 0.0 | 1513 | 0.0 |
| IMPL-L | 814 | 0.0 | 1514 | 0.0 |
| Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm. Measurements are made twice daily during post remediation | | | | |

| 5/4/2022 | | | | |
|---|---|---|---|---|
| | Morning Reading | | Afternoon Reading | |
| Site Name | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 1004 | 0.0 | 1304 | 0.0 |
| SAM-2 | 1001 | 0.0 | 1301 | 0.0 |
| SAM-3 | 1012 | 0.0 | 1312 | 0.0 |
| SAM-4 | 1007 | 0.0 | 1307 | 0.0 |
| IMPL-A | 1000 | 0.0 | 1300 | 0.0 |
| IMPL-B | 1001 | 0.0 | 1301 | 0.0 |
| IMPL-C | 1002 | 0.0 | 1302 | 0.0 |
| IMPL-D | 1003 | 0.0 | 1303 | 0.0 |
| IMPL-E | 1005 | 0.0 | 1305 | 0.0 |
| IMPL-F | 1006 | 0.0 | 1306 | 0.0 |
| IMPL-G | 1008 | 0.0 | 1308 | 0.0 |
| IMPL-H | 1009 | 0.0 | 1309 | 0.0 |
| IMPL-I | 1010 | 0.0 | 1310 | 0.0 |
| IMPL-J | 1011 | 0.0 | 1311 | 0.0 |
| IMPL-K | 1013 | 0.0 | 1313 | 0.0 |
| IMPL-L | 1014 | 0.0 | 1314 | 0.0 |
| Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm. Measurements are made twice daily during post remediation | | | | |

| 5/5/2022 | | | | |
|---|---|---|---|---|
| | Morning Reading | | Afternoon Reading | |
| Site Name | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 804 | 0.0 | 1304 | 0.0 |
| SAM-2 | 801 | 0.0 | 1301 | 0.0 |
| SAM-3 | 812 | 0.0 | 1312 | 0.0 |
| SAM-4 | 807 | 0.0 | 1307 | 0.0 |
| IMPL-A | 800 | 0.0 | 1300 | 0.0 |
| IMPL-B | 801 | 0.0 | 1301 | 0.0 |
| IMPL-C | 802 | 0.0 | 1302 | 0.0 |
| IMPL-D | 803 | 0.0 | 1303 | 0.0 |
| IMPL-E | 805 | 0.0 | 1305 | 0.0 |
| IMPL-F | 806 | 0.0 | 1306 | 0.0 |
| IMPL-G | 808 | 0.0 | 1308 | 0.0 |
| IMPL-H | 809 | 0.0 | 1309 | 0.0 |
| IMPL-I | 810 | 0.0 | 1310 | 0.0 |
| IMPL-J | 811 | 0.0 | 1311 | 0.0 |
| IMPL-K | 813 | 0.0 | 1313 | 0.0 |
| IMPL-L | 814 | 0.0 | 1314 | 0.0 |
| Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.<br>Measurements are made twice daily during post remediation | | | | |

| 5/6/2022 | | | | |
|---|---|---|---|---|
| | Morning Reading | | Afternoon Reading | |
| Site Name | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 804 | 0.0 | 1304 | 0.0 |
| SAM-2 | 801 | 0.0 | 1301 | 0.0 |
| SAM-3 | 812 | 0.0 | 1312 | 0.0 |
| SAM-4 | 807 | 0.0 | 1307 | 0.0 |
| IMPL-A | 800 | 0.0 | 1300 | 0.0 |
| IMPL-B | 801 | 0.0 | 1301 | 0.0 |
| IMPL-C | 802 | 0.0 | 1302 | 0.0 |
| IMPL-D | 803 | 0.0 | 1303 | 0.0 |
| IMPL-E | 805 | 0.0 | 1305 | 0.0 |
| IMPL-F | 806 | 0.0 | 1306 | 0.0 |
| IMPL-G | 808 | 0.0 | 1308 | 0.0 |
| IMPL-H | 809 | 0.0 | 1309 | 0.0 |
| IMPL-I | 810 | 0.0 | 1310 | 0.0 |
| IMPL-J | 811 | 0.0 | 1311 | 0.0 |
| IMPL-K | 813 | 0.0 | 1313 | 0.0 |
| IMPL-L | 814 | 0.0 | 1314 | 0.0 |
| Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.<br>Measurements are made twice daily during post remediation | | | | |

| 5/7/2022 | | | | |
|---|---|---|---|---|
| | Morning Reading | | Afternoon Reading | |
| Site Name | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 1104 | 0.0 | 1504 | 0.0 |
| SAM-2 | 1101 | 0.0 | 1501 | 0.0 |
| SAM-3 | 1112 | 0.0 | 1512 | 0.0 |
| SAM-4 | 1107 | 0.0 | 1507 | 0.0 |
| IMPL-A | 1100 | 0.0 | 1500 | 0.0 |
| IMPL-B | 1101 | 0.0 | 1501 | 0.0 |
| IMPL-C | 1102 | 0.0 | 1502 | 0.0 |
| IMPL-D | 1103 | 0.0 | 1503 | 0.0 |
| IMPL-E | 1105 | 0.0 | 1505 | 0.0 |
| IMPL-F | 1106 | 0.0 | 1506 | 0.0 |
| IMPL-G | 1108 | 0.0 | 1508 | 0.0 |
| IMPL-H | 1109 | 0.0 | 1509 | 0.0 |
| IMPL-I | 1110 | 0.0 | 1510 | 0.0 |
| IMPL-J | 1111 | 0.0 | 1511 | 0.0 |
| IMPL-K | 1113 | 0.0 | 1513 | 0.0 |
| IMPL-L | 1114 | 0.0 | 1514 | 0.0 |
| Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.<br>Measurements are made twice daily during post remediation | | | | |

| 5/8/2022 | | | | |
|---|---|---|---|---|
| | Morning Reading | | Afternoon Reading | |
| Site Name | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 1104 | 0.0 | 1304 | 0.0 |
| SAM-2 | 1101 | 0.0 | 1301 | 0.0 |
| SAM-3 | 1112 | 0.0 | 1312 | 0.0 |
| SAM-4 | 1107 | 0.0 | 1307 | 0.0 |
| IMPL-A | 1100 | 0.0 | 1300 | 0.0 |
| IMPL-B | 1101 | 0.0 | 1301 | 0.0 |
| IMPL-C | 1102 | 0.0 | 1302 | 0.0 |
| IMPL-D | 1103 | 0.0 | 1303 | 0.0 |
| IMPL-E | 1105 | 0.0 | 1305 | 0.0 |
| IMPL-F | 1106 | 0.0 | 1306 | 0.0 |
| IMPL-G | 1108 | 0.0 | 1308 | 0.0 |
| IMPL-H | 1109 | 0.0 | 1309 | 0.0 |
| IMPL-I | 1110 | 0.0 | 1310 | 0.0 |
| IMPL-J | 1111 | 0.0 | 1311 | 0.0 |
| IMPL-K | 1113 | 0.0 | 1313 | 0.0 |
| IMPL-L | 1114 | 0.0 | 1314 | 0.0 |
| Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.<br>Measurements are made twice daily during post remediation | | | | |

| 5/9/2022 | | | | |
|---|---|---|---|---|
| | Morning Reading | | Afternoon Reading | |
| Site Name | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 804 | 0.0 | 1304 | 0.0 |
| SAM-2 | 801 | 0.0 | 1301 | 0.0 |
| SAM-3 | 812 | 0.0 | 1312 | 0.0 |
| SAM-4 | 807 | 0.0 | 1307 | 0.0 |
| IMPL-A | 800 | 0.0 | 1300 | 0.0 |
| IMPL-B | 801 | 0.0 | 1301 | 0.0 |
| IMPL-C | 802 | 0.0 | 1302 | 0.0 |
| IMPL-D | 803 | 0.0 | 1303 | 0.0 |
| IMPL-E | 805 | 0.0 | 1305 | 0.0 |
| IMPL-F | 806 | 0.0 | 1306 | 0.0 |
| IMPL-G | 808 | 0.0 | 1308 | 0.0 |
| IMPL-H | 809 | 0.0 | 1309 | 0.0 |
| IMPL-I | 810 | 0.0 | 1310 | 0.0 |
| IMPL-J | 811 | 0.0 | 1311 | 0.0 |
| IMPL-K | 813 | 0.0 | 1313 | 0.0 |
| IMPL-L | 814 | 0.0 | 1314 | 0.0 |
| Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm. Measurements are made twice daily during post remediation | | | | |

| 5/10/2022 | | | | |
|---|---|---|---|---|
| | Morning Reading | | Afternoon Reading | |
| Site Name | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 804 | 0.0 | 1304 | 0.0 |
| SAM-2 | 801 | 0.0 | 1301 | 0.0 |
| SAM-3 | 812 | 0.0 | 1312 | 0.0 |
| SAM-4 | 807 | 0.0 | 1307 | 0.0 |
| IMPL-A | 800 | 0.0 | 1300 | 0.0 |
| IMPL-B | 801 | 0.0 | 1301 | 0.0 |
| IMPL-C | 802 | 0.0 | 1302 | 0.0 |
| IMPL-D | 803 | 0.0 | 1303 | 0.0 |
| IMPL-E | 805 | 0.0 | 1305 | 0.0 |
| IMPL-F | 806 | 0.0 | 1306 | 0.0 |
| IMPL-G | 808 | 0.0 | 1308 | 0.0 |
| IMPL-H | 809 | 0.0 | 1309 | 0.0 |
| IMPL-I | 810 | 0.0 | 1310 | 0.0 |
| IMPL-J | 811 | 0.0 | 1311 | 0.0 |
| IMPL-K | 813 | 0.0 | 1313 | 0.0 |
| IMPL-L | 814 | 0.0 | 1314 | 0.0 |
| Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm. Measurements are made twice daily during post remediation | | | | |

| 5/11/2022 | | | | |
|---|---|---|---|---|
| | Morning Reading | | Afternoon Reading | |
| Site Name | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 1004 | 0.0 | 1304 | 0.0 |
| SAM-2 | 1001 | 0.0 | 1301 | 0.0 |
| SAM-3 | 1012 | 0.0 | 1312 | 0.0 |
| SAM-4 | 1007 | 0.0 | 1307 | 0.0 |
| IMPL-A | 1000 | 0.0 | 1300 | 0.0 |
| IMPL-B | 1001 | 0.0 | 1301 | 0.0 |
| IMPL-C | 1002 | 0.0 | 1302 | 0.0 |
| IMPL-D | 1003 | 0.0 | 1303 | 0.0 |
| IMPL-E | 1005 | 0.0 | 1305 | 0.0 |
| IMPL-F | 1006 | 0.0 | 1306 | 0.0 |
| IMPL-G | 1008 | 0.0 | 1308 | 0.0 |
| IMPL-H | 1009 | 0.0 | 1309 | 0.0 |
| IMPL-I | 1010 | 0.0 | 1310 | 0.0 |
| IMPL-J | 1011 | 0.0 | 1311 | 0.0 |
| IMPL-K | 1013 | 0.0 | 1313 | 0.0 |
| IMPL-L | 1014 | 0.0 | 1314 | 0.0 |
| Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm. Measurements are made twice daily during post remediation | | | | |

| 5/12/2022 | | | | |
|---|---|---|---|---|
| | Morning Reading | | Afternoon Reading | |
| Site Name | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 804 | 0.0 | 1304 | 0.0 |
| SAM-2 | 801 | 0.0 | 1301 | 0.0 |
| SAM-3 | 812 | 0.0 | 1312 | 0.0 |
| SAM-4 | 807 | 0.0 | 1307 | 0.0 |
| IMPL-A | 800 | 0.0 | 1300 | 0.0 |
| IMPL-B | 801 | 0.0 | 1301 | 0.0 |
| IMPL-C | 802 | 0.0 | 1302 | 0.0 |
| IMPL-D | 803 | 0.0 | 1303 | 0.0 |
| IMPL-E | 805 | 0.0 | 1305 | 0.0 |
| IMPL-F | 806 | 0.0 | 1306 | 0.0 |
| IMPL-G | 808 | 0.0 | 1308 | 0.0 |
| IMPL-H | 809 | 0.0 | 1309 | 0.0 |
| IMPL-I | 810 | 0.0 | 1310 | 0.0 |
| IMPL-J | 811 | 0.0 | 1311 | 0.0 |
| IMPL-K | 813 | 0.0 | 1313 | 0.0 |
| IMPL-L | 814 | 0.0 | 1314 | 0.0 |
| Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm. Measurements are made twice daily during post remediation | | | | |

| 5/13/2022 | | | | |
|---|---|---|---|---|
| | Morning Reading | | Afternoon Reading | |
| Site Name | Time (CST) | VOC Conc. (ppm) | Time (CST) | VOC Conc. (ppm) |
| SAM-1 | 804 | 0.0 | 1304 | 0.0 |
| SAM-2 | 801 | 0.0 | 1301 | 0.0 |
| SAM-3 | 812 | 0.0 | 1312 | 0.0 |
| SAM-4 | 807 | 0.0 | 1307 | 0.0 |
| IMPL-A | 800 | 0.0 | 1300 | 0.0 |
| IMPL-B | 801 | 0.0 | 1301 | 0.0 |
| IMPL-C | 802 | 0.0 | 1302 | 0.0 |
| IMPL-D | 803 | 0.0 | 1303 | 0.0 |
| IMPL-E | 805 | 0.0 | 1305 | 0.0 |
| IMPL-F | 806 | 0.0 | 1306 | 0.0 |
| IMPL-G | 808 | 0.0 | 1308 | 0.0 |
| IMPL-H | 809 | 0.0 | 1309 | 0.0 |
| IMPL-I | 810 | 0.0 | 1310 | 0.0 |
| IMPL-J | 811 | 0.0 | 1311 | 0.0 |
| IMPL-K | 813 | 0.0 | 1313 | 0.0 |
| IMPL-L | 814 | 0.0 | 1314 | 0.0 |

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Measurements are made twice daily during post remediation

# APPENDIX B REAL-TIME $PM_{10}$ AND METEOROLOGICAL MONITORING DATA

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 12/03/2021 | 12:00:00 - 12:15:00 | Offline | 16 | Offline | Offline | Offline | Offline | Offline | Offline | Offline | Offline |
| 12/03/2021 | 12:15:00 - 12:30:00 | Offline | 17 | Offline | Offline | Offline | Offline | Offline | Offline | Offline | Offline |
| 12/03/2021 | 12:30:00 - 12:45:00 | Offline | 14 | Offline | Offline | Offline | Offline | Offline | Offline | Offline | Offline |
| 12/03/2021 | 12:45:00 - 13:00:00 | Offline | 14 | Offline | Offline | Offline | Offline | Offline | Offline | Offline | Offline |
| 12/03/2021 | 13:00:00 - 13:15:00 | Offline | 14 | Offline | Offline | Offline | Offline | Offline | Offline | Offline | Offline |
| 12/03/2021 | 13:15:00 - 13:30:00 | Offline | 14 | Offline | Offline | Offline | Offline | Offline | Offline | Offline | Offline |
| 12/03/2021 | 13:30:00 - 13:45:00 | Offline | 15 | Offline | Offline | 1 | Offline | Offline | Offline | Offline | Offline |
| 12/03/2021 | 13:45:00 - 14:00:00 | Offline | 15 | Offline | Offline | 23 | Offline | Offline | Offline | Offline | Offline |
| 12/03/2021 | 14:00:00 - 14:15:00 | Offline | 15 | 1 | Offline | 23 | 8.8 | 131.3 | 14.3 | 62.5 | 985.8 |
| 12/03/2021 | 14:15:00 - 14:30:00 | Offline | 16 | 21 | 21 | 23 | 9.9 | 106.8 | 14.3 | 61.8 | 985.9 |
| 12/03/2021 | 14:30:00 - 14:45:00 | Offline | 16 | 19 | 22 | 23 | 7.3 | 143.3 | 14.4 | 61.5 | 985.8 |
| 12/03/2021 | 14:45:00 - 15:00:00 | Offline | 16 | 19 | 22 | 23 | 7.6 | 124.9 | 14.2 | 62.3 | 985.7 |
| 12/03/2021 | 15:00:00 - 15:15:00 | Offline | 16 | 19 | 22 | 23 | 9.5 | 84.0 | 14.0 | 63.2 | 985.8 |
| 12/03/2021 | 15:15:00 - 15:30:00 | Offline | 16 | 19 | 23 | 23 | 7.5 | 77.5 | 14.1 | 63.0 | 986.3 |
| 12/03/2021 | 15:30:00 - 15:45:00 | Offline | 17 | 19 | 23 | 24 | 6.3 | 81.0 | 13.9 | 63.2 | 986.7 |
| 12/03/2021 | 15:45:00 - 16:00:00 | Offline | 17 | 19 | 23 | 24 | 5.6 | 25.3 | 13.9 | 63.3 | 987.2 |
| 12/03/2021 | 16:00:00 - 16:15:00 | Offline | 17 | 20 | 24 | 25 | 4.8 | 16.1 | 13.5 | 64.8 | 987.5 |
| 12/03/2021 | 16:15:00 - 16:30:00 | Offline | 18 | 20 | 24 | 25 | 4.3 | 12.8 | 13.0 | 66.9 | 987.9 |
| 12/03/2021 | 16:30:00 - 16:45:00 | Offline | 18 | 20 | 25 | 25 | 3.1 | 13.9 | 12.2 | 69.5 | 988.2 |
| 12/03/2021 | 16:45:00 - 17:00:00 | Offline | 18 | 21 | 25 | 26 | 2.3 | 20.3 | 11.3 | 72.5 | 988.4 |
| 12/03/2021 | 17:00:00 - 17:15:00 | Offline | 19 | 21 | 26 | 26 | 4.2 | 40.1 | 10.9 | 73.0 | 988.5 |
| 12/03/2021 | 17:15:00 - 17:30:00 | Offline | 19 | 21 | 27 | 27 | 6.3 | 44.3 | 11.3 | 67.6 | 988.8 |
| 12/03/2021 | 17:30:00 - 17:45:00 | Offline | 20 | 21 | 27 | 27 | 8.1 | 52.0 | 10.9 | 67.1 | 989.0 |
| 12/03/2021 | 17:45:00 - 18:00:00 | Offline | 20 | 21 | 27 | 27 | 7.4 | 34.7 | 10.4 | 67.5 | 989.0 |
| 12/03/2021 | 18:00:00 - 18:15:00 | Offline | 20 | 21 | 27 | 27 | 9.1 | 33.0 | 10.0 | 67.4 | 989.1 |
| 12/03/2021 | 18:15:00 - 18:30:00 | Offline | 20 | 22 | 27 | 27 | 10.3 | 40.7 | 9.6 | 67.8 | 989.3 |
| 12/03/2021 | 18:30:00 - 18:45:00 | Offline | 21 | 22 | 28 | 28 | 9.8 | 42.4 | 9.0 | 69.3 | 989.5 |
| 12/03/2021 | 18:45:00 - 19:00:00 | Offline | 21 | 23 | 28 | 28 | 6.9 | 43.7 | 8.5 | 70.9 | 989.6 |
| 12/03/2021 | 19:00:00 - 19:15:00 | Offline | 22 | 23 | 29 | 28 | 9.8 | 37.0 | 8.1 | 71.8 | 989.7 |
| 12/03/2021 | 19:15:00 - 19:30:00 | Offline | 22 | 23 | 29 | 28 | 8.2 | 46.5 | 7.7 | 72.1 | 989.8 |
| 12/03/2021 | 19:30:00 - 19:45:00 | Offline | 22 | 23 | 29 | 29 | 5.7 | 28.9 | 7.3 | 73.5 | 989.9 |
| 12/03/2021 | 19:45:00 - 20:00:00 | Offline | 22 | 23 | 29 | 29 | 7.0 | 34.5 | 6.9 | 74.8 | 990.1 |
| 12/03/2021 | 20:00:00 - 20:15:00 | Offline | 23 | 23 | 29 | 29 | 7.5 | 46.9 | 6.5 | 75.9 | 990.1 |
| 12/03/2021 | 20:15:00 - 20:30:00 | Offline | 23 | 23 | 29 | 29 | 7.5 | 46.6 | 6.2 | 76.6 | 990.2 |
| 12/03/2021 | 20:30:00 - 20:45:00 | Offline | 23 | 23 | 29 | 29 | 6.7 | 38.3 | 5.9 | 77.0 | 990.4 |
| 12/03/2021 | 20:45:00 - 21:00:00 | Offline | 23 | 23 | 29 | 28 | 7.7 | 35.7 | 5.8 | 77.1 | 990.6 |
| 12/03/2021 | 21:00:00 - 21:15:00 | Offline | 23 | 23 | 29 | 28 | 4.4 | 27.2 | 5.7 | 77.7 | 990.8 |
| 12/03/2021 | 21:15:00 - 21:30:00 | Offline | 23 | 23 | 29 | 28 | 5.0 | 25.6 | 5.5 | 78.0 | 991.0 |
| 12/03/2021 | 21:30:00 - 21:45:00 | Offline | 23 | 23 | 29 | 28 | 6.2 | 29.3 | 5.7 | 77.0 | 991.2 |
| 12/03/2021 | 21:45:00 - 22:00:00 | Offline | 23 | 23 | 29 | 28 | 7.7 | 17.7 | 5.7 | 76.2 | 991.4 |
| 12/03/2021 | 22:00:00 - 22:15:00 | Offline | 23 | 23 | 29 | 28 | 9.8 | 30.3 | 5.5 | 76.0 | 991.5 |
| 12/03/2021 | 22:15:00 - 22:30:00 | Offline | 23 | 23 | 29 | 28 | 9.0 | 25.6 | 5.3 | 76.0 | 991.6 |
| 12/03/2021 | 22:30:00 - 22:45:00 | Offline | 23 | 23 | 29 | 28 | 8.3 | 22.9 | 5.1 | 76.4 | 991.8 |
| 12/03/2021 | 22:45:00 - 23:00:00 | Offline | 23 | 23 | 29 | 28 | 7.9 | 29.6 | 4.8 | 77.4 | 992.0 |
| 12/03/2021 | 23:00:00 - 23:15:00 | Offline | 24 | 23 | 30 | 28 | 6.5 | 32.2 | 4.5 | 78.9 | 992.2 |
| 12/03/2021 | 23:15:00 - 23:30:00 | Offline | 24 | 24 | 30 | 28 | 6.1 | 35.6 | 4.6 | 78.4 | 992.4 |
| 12/03/2021 | 23:30:00 - 23:45:00 | Offline | 24 | 24 | 30 | 29 | 5.9 | 27.4 | 4.6 | 79.0 | 992.5 |
| 12/04/2021 | 23:45:00 - 00:00:00 | Offline | 24 | 24 | 30 | 29 | 9.6 | 24.9 | 4.1 | 80.4 | 992.6 |
| 12/04/2021 | 00:00:00 - 00:15:00 | Offline | 25 | 24 | 31 | 29 | 8.5 | 19.6 | 2.8 | 84.9 | 992.9 |
| 12/04/2021 | 00:15:00 - 00:30:00 | Offline | 25 | 25 | 31 | 29 | 9.7 | 26.0 | 2.4 | 88.0 | 993.2 |
| 12/04/2021 | 00:30:00 - 00:45:00 | Offline | 25 | 25 | 31 | 30 | 7.0 | 23.8 | 2.2 | 89.5 | 993.3 |
| 12/04/2021 | 00:45:00 - 01:00:00 | Offline | 26 | 25 | 32 | 30 | 5.5 | 39.8 | 2.1 | 90.0 | 993.4 |
| 12/04/2021 | 01:00:00 - 01:15:00 | Offline | 26 | 26 | 32 | 31 | 5.3 | 26.4 | 2.1 | 90.6 | 993.4 |
| 12/04/2021 | 01:15:00 - 01:30:00 | Offline | 27 | 26 | 33 | 31 | 4.8 | 29.1 | 2.0 | 91.0 | 993.5 |
| 12/04/2021 | 01:30:00 - 01:45:00 | Offline | 27 | 27 | 34 | 32 | 6.8 | 28.3 | 2.0 | 91.0 | 993.6 |
| 12/04/2021 | 01:45:00 - 02:00:00 | Offline | 28 | 27 | 34 | 32 | 6.5 | 37.0 | 2.1 | 92.0 | 993.8 |
| 12/04/2021 | 02:00:00 - 02:15:00 | Offline | 28 | 28 | 35 | 33 | 6.4 | 29.8 | 2.1 | 93.2 | 994.0 |
| 12/04/2021 | 02:15:00 - 02:30:00 | Offline | 29 | 28 | 36 | 34 | 5.5 | 26.3 | 1.8 | 94.0 | 994.2 |
| 12/04/2021 | 02:30:00 - 02:45:00 | Offline | 30 | 29 | 36 | 34 | 5.3 | 42.5 | 1.4 | 95.0 | 994.5 |
| 12/04/2021 | 02:45:00 - 03:00:00 | Offline | 30 | 29 | 37 | 35 | 2.1 | 59.2 | 1.1 | 95.8 | 994.6 |
| 12/04/2021 | 03:00:00 - 03:15:00 | Offline | 31 | 30 | 38 | 35 | 3.1 | 44.7 | 0.9 | 96.6 | 994.7 |
| 12/04/2021 | 03:15:00 - 03:30:00 | Offline | 31 | 30 | 38 | 36 | 3.8 | 33.4 | 0.8 | 97.0 | 994.8 |
| 12/04/2021 | 03:30:00 - 03:45:00 | Offline | 32 | 31 | 39 | 36 | 2.2 | 37.8 | 0.6 | 97.3 | 995.0 |
| 12/04/2021 | 03:45:00 - 04:00:00 | Offline | 32 | 31 | 39 | 37 | 3.5 | 17.8 | 0.5 | 97.9 | 995.3 |
| 12/04/2021 | 04:00:00 - 04:15:00 | Offline | 33 | 31 | 40 | 37 | 5.0 | 17.1 | 0.6 | 98.1 | 995.5 |
| 12/04/2021 | 04:15:00 - 04:30:00 | Offline | 33 | 32 | 40 | 38 | 4.2 | 27.5 | 0.7 | 98.2 | 995.6 |
| 12/04/2021 | 04:30:00 - 04:45:00 | Offline | 34 | 32 | 41 | 38 | 5.2 | 18.4 | 0.5 | 98.4 | 995.8 |
| 12/04/2021 | 04:45:00 - 05:00:00 | Offline | 34 | 32 | 41 | 39 | 4.2 | 16.9 | 0.5 | 99.0 | 996.0 |
| 12/04/2021 | 05:00:00 - 05:15:00 | Offline | 35 | 33 | 42 | 39 | 5.9 | 16.4 | 0.5 | 99.0 | 996.4 |
| 12/04/2021 | 05:15:00 - 05:30:00 | Offline | 35 | 33 | 43 | 40 | 5.9 | 22.1 | 0.5 | 99.0 | 996.5 |
| 12/04/2021 | 05:30:00 - 05:45:00 | Offline | 36 | 34 | 44 | 41 | 5.4 | 25.3 | 0.4 | 99.0 | 996.6 |
| 12/04/2021 | 05:45:00 - 06:00:00 | Offline | 36 | 34 | 44 | 41 | 7.2 | 22.7 | 0.3 | 99.0 | 996.8 |
| 12/04/2021 | 06:00:00 - 06:15:00 | Offline | 37 | 35 | 45 | 42 | 7.2 | 38.8 | 0.3 | 99.2 | 996.8 |
| 12/04/2021 | 06:15:00 - 06:30:00 | Offline | 37 | 35 | 46 | 43 | 4.5 | 62.3 | 0.1 | 99.0 | 996.8 |
| 12/04/2021 | 06:30:00 - 06:45:00 | Offline | 38 | 35 | 46 | 43 | 3.3 | 55.4 | 0.0 | 99.6 | 996.8 |
| 12/04/2021 | 06:45:00 - 07:00:00 | Offline | 38 | 36 | 47 | 44 | 3.5 | 70.7 | -0.2 | 99.8 | 996.6 |
| 12/04/2021 | 07:00:00 - 07:15:00 | Offline | 39 | 36 | 48 | 44 | 2.5 | 53.2 | -0.3 | 99.6 | 996.7 |
| 12/04/2021 | 07:15:00 - 07:30:00 | Offline | 39 | 37 | 48 | 45 | 3.3 | 16.5 | -0.3 | 100.0 | 997.0 |
| 12/04/2021 | 07:30:00 - 07:45:00 | Offline | 40 | 37 | 49 | 45 | 3.4 | 27.2 | 0.2 | 100.0 | 997.2 |
| 12/04/2021 | 07:45:00 - 08:00:00 | Offline | 40 | 37 | 50 | 46 | 4.5 | 20.7 | 0.8 | 100.0 | 997.7 |
| 12/04/2021 | 08:00:00 - 08:15:00 | Offline | 41 | 38 | 51 | 47 | 5.7 | 44.1 | 1.3 | 99.7 | 998.0 |
| 12/04/2021 | 08:15:00 - 08:30:00 | Offline | 41 | 38 | 51 | 47 | 7.0 | 21.4 | 1.6 | 98.8 | 998.3 |
| 12/04/2021 | 08:30:00 - 08:45:00 | Offline | 42 | 39 | 52 | 48 | 11.9 | 18.1 | 1.9 | 97.0 | 998.7 |
| 12/04/2021 | 08:45:00 - 09:00:00 | Offline | 42 | 39 | 52 | 48 | 15.1 | 13.9 | 2.2 | 95.0 | 999.1 |
| 12/04/2021 | 09:00:00 - 09:15:00 | Offline | 42 | 39 | 52 | 48 | 10.0 | 39.9 | 2.3 | 93.7 | 999.1 |
| 12/04/2021 | 09:15:00 - 09:30:00 | Offline | 42 | 39 | 53 | 48 | 11.3 | 34.5 | 2.9 | 91.9 | 999.3 |
| 12/04/2021 | 09:30:00 - 09:45:00 | 27 | 43 | 39 | 53 | 49 | 11.3 | 17.4 | 3.2 | 91.3 | 999.7 |
| 12/04/2021 | 09:45:00 - 10:00:00 | 50 | 43 | 59 | 53 | 49 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 10:00:00 - 10:15:00 | 48 | 54 | 54 | 53 | 49 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 10:15:00 - 10:30:00 | 46 | 50 | 50 | 57 | 49 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 10:30:00 - 10:45:00 | 43 | 47 | 46 | 52 | 49 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 10:45:00 - 11:00:00 | 39 | 41 | 41 | 42 | 49 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 11:00:00 - 11:15:00 | 35 | 37 | 37 | 37 | 48 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 11:15:00 - 11:30:00 | 32 | 34 | 33 | 33 | 48 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 11:30:00 - 11:45:00 | 30 | 31 | 30 | 30 | 48 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 11:45:00 - 12:00:00 | 28 | 29 | 28 | 28 | 47 | Offline | Offline | Offline | Offline | Offline |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 12/04/2021 | 12:00:00 - 12:15:00 | 26 | 26 | 26 | 26 | 47 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 12:15:00 - 12:30:00 | 24 | 25 | 24 | 24 | 47 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 12:30:00 - 12:45:00 | 23 | 23 | 23 | 23 | 46 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 12:45:00 - 13:00:00 | 22 | 22 | 22 | 22 | 46 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 13:00:00 - 13:15:00 | 21 | 21 | 21 | 21 | 45 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 13:15:00 - 13:30:00 | 20 | 20 | 20 | 21 | 45 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 13:30:00 - 13:45:00 | 20 | 20 | 19 | 20 | 45 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 13:45:00 - 14:00:00 | 19 | 19 | 19 | 20 | 44 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 14:00:00 - 14:15:00 | 18 | 19 | 18 | 19 | 44 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 14:15:00 - 14:30:00 | 18 | 18 | 17 | 19 | 44 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 14:30:00 - 14:45:00 | 17 | 18 | 17 | 18 | 43 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 14:45:00 - 15:00:00 | 17 | 17 | 16 | 18 | 43 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 15:00:00 - 15:15:00 | 16 | 17 | 16 | 17 | 43 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 15:15:00 - 15:30:00 | 16 | 16 | 16 | 17 | 42 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 15:30:00 - 15:45:00 | 15 | 16 | 15 | 17 | 42 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 15:45:00 - 16:00:00 | 15 | 16 | 15 | 16 | 42 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 16:00:00 - 16:15:00 | 15 | 15 | 14 | 16 | 41 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 16:15:00 - 16:30:00 | 14 | 15 | 14 | 16 | 41 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 16:30:00 - 16:45:00 | 14 | 15 | 14 | 15 | 41 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 16:45:00 - 17:00:00 | 14 | 14 | 14 | 15 | 40 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 17:00:00 - 17:15:00 | 13 | 14 | 14 | 15 | 40 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 17:15:00 - 17:30:00 | 13 | 14 | 14 | 15 | 40 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 17:30:00 - 17:45:00 | 13 | 14 | 13 | 15 | 40 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 17:45:00 - 18:00:00 | 13 | 14 | 13 | 15 | 40 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 18:00:00 - 18:15:00 | 13 | 14 | 13 | 15 | 39 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 18:15:00 - 18:30:00 | 13 | 14 | 13 | 16 | 39 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 18:30:00 - 18:45:00 | 13 | 15 | 13 | 16 | 39 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 18:45:00 - 19:00:00 | 13 | 15 | 13 | 16 | 39 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 19:00:00 - 19:15:00 | 13 | 15 | 13 | 16 | 39 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 19:15:00 - 19:30:00 | 13 | 15 | 14 | 16 | 38 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 19:30:00 - 19:45:00 | 13 | 15 | 14 | 17 | 38 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 19:45:00 - 20:00:00 | 13 | 16 | 14 | 17 | 38 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 20:00:00 - 20:15:00 | 13 | 16 | 15 | 18 | 38 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 20:15:00 - 20:30:00 | 14 | 17 | 15 | 18 | 38 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 20:30:00 - 20:45:00 | 14 | 17 | 15 | 19 | 38 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 20:45:00 - 21:00:00 | 14 | 17 | 15 | 19 | 38 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 21:00:00 - 21:15:00 | 14 | 18 | 16 | 19 | 38 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 21:15:00 - 21:30:00 | 14 | 18 | 16 | 20 | 38 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 21:30:00 - 21:45:00 | 15 | 19 | 16 | 20 | 38 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 21:45:00 - 22:00:00 | 15 | 19 | 17 | 21 | 38 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 22:00:00 - 22:15:00 | 15 | 19 | 17 | 21 | 38 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 22:15:00 - 22:30:00 | 15 | 19 | 17 | 21 | 38 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 22:30:00 - 22:45:00 | 15 | 20 | 17 | 21 | 38 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 22:45:00 - 23:00:00 | 15 | 20 | 17 | 22 | 38 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 23:00:00 - 23:15:00 | 15 | 20 | 17 | 22 | 38 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 23:15:00 - 23:30:00 | 15 | 20 | 17 | 22 | 38 | Offline | Offline | Offline | Offline | Offline |
| 12/04/2021 | 23:30:00 - 23:45:00 | 15 | 20 | 17 | 22 | 37 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 23:45:00 - 00:00:00 | 15 | 20 | 17 | 22 | 37 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 00:00:00 - 00:15:00 | 15 | 20 | 17 | 22 | 37 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 00:15:00 - 00:30:00 | 15 | 20 | 17 | 21 | 37 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 00:30:00 - 00:45:00 | 15 | 20 | 17 | 21 | 37 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 00:45:00 - 01:00:00 | 15 | 20 | 17 | 21 | 37 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 01:00:00 - 01:15:00 | 15 | 20 | 17 | 21 | 37 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 01:15:00 - 01:30:00 | 15 | 20 | 17 | 21 | 36 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 01:30:00 - 01:45:00 | 14 | 20 | 17 | 21 | 36 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 01:45:00 - 02:00:00 | 14 | 20 | 17 | 21 | 36 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 02:00:00 - 02:15:00 | 14 | 20 | 17 | 21 | 36 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 02:15:00 - 02:30:00 | 14 | 19 | 17 | 21 | 36 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 02:30:00 - 02:45:00 | 14 | 19 | 17 | 21 | 36 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 02:45:00 - 03:00:00 | 14 | 19 | 17 | 21 | 35 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 03:00:00 - 03:15:00 | 14 | 19 | 16 | 20 | 35 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 03:15:00 - 03:30:00 | 14 | 19 | 16 | 20 | 35 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 03:30:00 - 03:45:00 | 14 | 19 | 16 | 20 | 35 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 03:45:00 - 04:00:00 | 14 | 19 | 16 | 20 | 35 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 04:00:00 - 04:15:00 | 13 | 19 | 16 | 20 | 35 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 04:15:00 - 04:30:00 | 13 | 19 | 16 | 20 | 35 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 04:30:00 - 04:45:00 | 13 | 19 | 16 | 20 | 34 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 04:45:00 - 05:00:00 | 13 | 19 | 16 | 20 | 34 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 05:00:00 - 05:15:00 | 13 | 19 | 16 | 20 | 34 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 05:15:00 - 05:30:00 | 13 | 18 | 16 | 19 | 34 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 05:30:00 - 05:45:00 | 13 | 18 | 16 | 19 | 34 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 05:45:00 - 06:00:00 | 13 | 18 | 15 | 19 | 34 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 06:00:00 - 06:15:00 | 13 | 18 | 15 | 19 | 33 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 06:15:00 - 06:30:00 | 13 | 18 | 15 | 19 | 33 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 06:30:00 - 06:45:00 | 12 | 18 | 15 | 19 | 33 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 06:45:00 - 07:00:00 | 12 | 18 | 15 | 19 | 33 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 07:00:00 - 07:15:00 | 12 | 18 | 15 | 19 | 33 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 07:15:00 - 07:30:00 | 12 | 18 | 15 | 19 | 33 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 07:30:00 - 07:45:00 | 12 | 18 | 15 | 19 | 33 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 07:45:00 - 08:00:00 | 12 | 18 | 15 | 19 | 33 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 08:00:00 - 08:15:00 | 12 | 18 | 15 | 19 | 33 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 08:15:00 - 08:30:00 | 12 | 18 | 15 | 19 | 33 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 08:30:00 - 08:45:00 | 12 | 18 | 15 | 19 | 32 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 08:45:00 - 09:00:00 | 12 | 18 | 15 | 19 | 32 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 09:00:00 - 09:15:00 | 12 | 18 | 15 | 19 | 32 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 09:15:00 - 09:30:00 | 13 | 18 | 15 | 19 | 32 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 09:30:00 - 09:45:00 | 16 | 18 | 21 | 19 | 32 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 09:45:00 - 10:00:00 | 17 | 23 | 21 | 19 | 32 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 10:00:00 - 10:15:00 | 18 | 28 | 22 | 24 | 32 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 10:15:00 - 10:30:00 | 18 | 29 | 23 | 33 | 32 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 10:30:00 - 10:45:00 | 19 | 29 | 23 | 35 | 32 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 10:45:00 - 11:00:00 | 20 | 30 | 24 | 36 | 32 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 11:00:00 - 11:15:00 | 20 | 31 | 24 | 37 | 32 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 11:15:00 - 11:30:00 | 21 | 32 | 25 | 37 | 32 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 11:30:00 - 11:45:00 | 22 | 32 | 25 | 38 | 32 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 11:45:00 - 12:00:00 | 22 | 32 | 26 | 38 | 32 | Offline | Offline | Offline | Offline | Offline |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 12/05/2021 | 12:00:00 - 12:15:00 | 23 | 33 | 26 | 39 | 32 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 12:15:00 - 12:30:00 | 23 | 33 | 26 | 39 | 32 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 12:30:00 - 12:45:00 | 23 | 34 | 27 | 40 | 32 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 12:45:00 - 13:00:00 | 24 | 34 | 27 | 41 | 32 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 13:00:00 - 13:15:00 | 25 | 35 | 28 | 42 | 32 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 13:15:00 - 13:30:00 | 25 | 35 | 28 | 42 | 32 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 13:30:00 - 13:45:00 | 26 | 35 | 28 | 42 | 33 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 13:45:00 - 14:00:00 | 26 | 36 | 29 | 43 | 33 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 14:00:00 - 14:15:00 | 26 | 36 | 29 | 43 | 33 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 14:15:00 - 14:30:00 | 27 | 36 | 29 | 43 | 33 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 14:30:00 - 14:45:00 | 27 | 36 | 29 | 44 | 33 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 14:45:00 - 15:00:00 | 27 | 36 | 29 | 44 | 33 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 15:00:00 - 15:15:00 | 27 | 36 | 29 | 44 | 33 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 15:15:00 - 15:30:00 | 28 | 37 | 30 | 44 | 33 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 15:30:00 - 15:45:00 | 28 | 37 | 30 | 45 | 33 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 15:45:00 - 16:00:00 | 28 | 37 | 30 | 45 | 33 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 16:00:00 - 16:15:00 | 29 | 38 | 30 | 45 | 33 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 16:15:00 - 16:30:00 | 29 | 38 | 31 | 46 | 33 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 16:30:00 - 16:45:00 | 30 | 38 | 31 | 46 | 33 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 16:45:00 - 17:00:00 | 30 | 39 | 31 | 47 | 33 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 17:00:00 - 17:15:00 | 30 | 39 | 32 | 47 | 33 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 17:15:00 - 17:30:00 | 31 | 39 | 32 | 48 | 33 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 17:30:00 - 17:45:00 | 31 | 40 | 32 | 48 | 33 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 17:45:00 - 18:00:00 | 32 | 40 | 33 | 49 | 34 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 18:00:00 - 18:15:00 | 32 | 40 | 33 | 49 | 34 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 18:15:00 - 18:30:00 | 32 | 41 | 33 | 49 | 34 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 18:30:00 - 18:45:00 | 33 | 41 | 33 | 50 | 34 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 18:45:00 - 19:00:00 | 33 | 41 | 34 | 50 | 34 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 19:00:00 - 19:15:00 | 33 | 41 | 34 | 50 | 34 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 19:15:00 - 19:30:00 | 33 | 41 | 34 | 50 | 34 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 19:30:00 - 19:45:00 | 33 | 41 | 34 | 50 | 34 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 19:45:00 - 20:00:00 | 33 | 42 | 34 | 51 | 34 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 20:00:00 - 20:15:00 | 34 | 42 | 34 | 51 | 34 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 20:15:00 - 20:30:00 | 34 | 42 | 34 | 51 | 34 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 20:30:00 - 20:45:00 | 34 | 42 | 34 | 51 | 34 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 20:45:00 - 21:00:00 | 34 | 42 | 35 | 51 | 34 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 21:00:00 - 21:15:00 | 34 | 42 | 35 | 51 | 34 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 21:15:00 - 21:30:00 | 34 | 42 | 35 | 51 | 34 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 21:30:00 - 21:45:00 | 34 | 42 | 35 | 51 | 35 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 21:45:00 - 22:00:00 | 35 | 42 | 35 | 51 | 35 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 22:00:00 - 22:15:00 | 35 | 42 | 35 | 52 | 35 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 22:15:00 - 22:30:00 | 35 | 42 | 35 | 52 | 35 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 22:30:00 - 22:45:00 | 35 | 43 | 35 | 52 | 35 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 22:45:00 - 23:00:00 | 35 | 43 | 35 | 52 | 35 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 23:00:00 - 23:15:00 | 35 | 43 | 35 | 52 | 35 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 23:15:00 - 23:30:00 | 35 | 43 | 35 | 52 | 35 | Offline | Offline | Offline | Offline | Offline |
| 12/05/2021 | 23:30:00 - 23:45:00 | 35 | 43 | 36 | 52 | 35 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 23:45:00 - 00:00:00 | 35 | 43 | 36 | 52 | 35 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 00:00:00 - 00:15:00 | 35 | 43 | 36 | 52 | 35 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 00:15:00 - 00:30:00 | 35 | 43 | 36 | 52 | 35 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 00:30:00 - 00:45:00 | 35 | 43 | 36 | 52 | 35 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 00:45:00 - 01:00:00 | 35 | 43 | 36 | 52 | 35 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 01:00:00 - 01:15:00 | 35 | 43 | 36 | 51 | 35 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 01:15:00 - 01:30:00 | 35 | 43 | 36 | 51 | 35 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 01:30:00 - 01:45:00 | 35 | 43 | 36 | 51 | 35 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 01:45:00 - 02:00:00 | 35 | 43 | 36 | 51 | 35 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 02:00:00 - 02:15:00 | 35 | 43 | 36 | 51 | 35 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 02:15:00 - 02:30:00 | 35 | 42 | 35 | 51 | 35 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 02:30:00 - 02:45:00 | 34 | 42 | 35 | 50 | 35 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 02:45:00 - 03:00:00 | 34 | 42 | 35 | 50 | 35 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 03:00:00 - 03:15:00 | 34 | 41 | 34 | 49 | 35 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 03:15:00 - 03:30:00 | 33 | 41 | 34 | 49 | 35 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 03:30:00 - 03:45:00 | 33 | 41 | 34 | 48 | 35 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 03:45:00 - 04:00:00 | 33 | 40 | 33 | 48 | 35 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 04:00:00 - 04:15:00 | 32 | 40 | 33 | 47 | 35 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 04:15:00 - 04:30:00 | 32 | 39 | 33 | 47 | 35 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 04:30:00 - 04:45:00 | 32 | 39 | 32 | 46 | 34 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 04:45:00 - 05:00:00 | 31 | 39 | 32 | 46 | 34 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 05:00:00 - 05:15:00 | 31 | 38 | 32 | 46 | 34 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 05:15:00 - 05:30:00 | 31 | 38 | 32 | 45 | 34 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 05:30:00 - 05:45:00 | 30 | 38 | 31 | 45 | 34 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 05:45:00 - 06:00:00 | 30 | 37 | 31 | 44 | 34 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 06:00:00 - 06:15:00 | 30 | 37 | 31 | 44 | 34 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 06:15:00 - 06:30:00 | 30 | 37 | 31 | 43 | 34 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 06:30:00 - 06:45:00 | 29 | 36 | 30 | 43 | 34 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 06:45:00 - 07:00:00 | 29 | 36 | 30 | 43 | 34 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 07:00:00 - 07:15:00 | 29 | 36 | 30 | 42 | 34 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 07:15:00 - 07:30:00 | 28 | 36 | 30 | 42 | 33 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 07:30:00 - 07:45:00 | 28 | 35 | 29 | 42 | 33 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 07:45:00 - 08:00:00 | 28 | 35 | 29 | 41 | 33 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 08:00:00 - 08:15:00 | 28 | 35 | 29 | 41 | 33 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 08:15:00 - 08:30:00 | 27 | 35 | 29 | 41 | 33 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 08:30:00 - 08:45:00 | 27 | 34 | 28 | 40 | 33 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 08:45:00 - 09:00:00 | 27 | 34 | 28 | 40 | 33 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 09:00:00 - 09:15:00 | 27 | 34 | 28 | 40 | 33 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 09:15:00 - 09:30:00 | 26 | 34 | 28 | 39 | 33 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 09:30:00 - 09:45:00 | 26 | 33 | 28 | 39 | 33 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 09:45:00 - 10:00:00 | 26 | 33 | 27 | 39 | 33 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 10:00:00 - 10:15:00 | 26 | 33 | 27 | 38 | 32 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 10:15:00 - 10:30:00 | 26 | 33 | 27 | 38 | 32 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 10:30:00 - 10:45:00 | 25 | 32 | 27 | 38 | 32 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 10:45:00 - 11:00:00 | 25 | 32 | 27 | 38 | 32 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 11:00:00 - 11:15:00 | 25 | 32 | 26 | 37 | 32 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 11:15:00 - 11:30:00 | 25 | 32 | 26 | 37 | 32 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 11:30:00 - 11:45:00 | 25 | 31 | 26 | 37 | 32 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 11:45:00 - 12:00:00 | 24 | 31 | 26 | 36 | 32 | Offline | Offline | Offline | Offline | Offline |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 12/06/2021 | 12:00:00 - 12:15:00 | 24 | 31 | 26 | 36 | 32 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 12:15:00 - 12:30:00 | 24 | 31 | 25 | 36 | 32 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 12:30:00 - 12:45:00 | 24 | 31 | 25 | 36 | 32 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 12:45:00 - 13:00:00 | 24 | 30 | 25 | 35 | 32 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 13:00:00 - 13:15:00 | 23 | 30 | 25 | 35 | 31 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 13:15:00 - 13:30:00 | 23 | 30 | 25 | 35 | 31 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 13:30:00 - 13:45:00 | 23 | 30 | 25 | 35 | 31 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 13:45:00 - 14:00:00 | 23 | 30 | 24 | 35 | 31 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 14:00:00 - 14:15:00 | 23 | 30 | 24 | 34 | 31 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 14:15:00 - 14:30:00 | 23 | 29 | 24 | 34 | 31 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 14:30:00 - 14:45:00 | 23 | 12 | 24 | 34 | 31 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 14:45:00 - 15:00:00 | 22 | 11 | 24 | 34 | 31 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 15:00:00 - 15:15:00 | 7 | 11 | 10 | 34 | 31 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 15:15:00 - 15:30:00 | 5 | 11 | 9 | 33 | 31 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 15:30:00 - 15:45:00 | 5 | 11 | 8 | 25 | 31 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 15:45:00 - 16:00:00 | 4 | 11 | 8 | 9 | 31 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 16:00:00 - 16:15:00 | 4 | 10 | 8 | 9 | 31 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 16:15:00 - 16:30:00 | 4 | 10 | 7 | 9 | 30 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 16:30:00 - 16:45:00 | 3 | 10 | 7 | 8 | 30 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 16:45:00 - 17:00:00 | 3 | 10 | 7 | 9 | 30 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 17:00:00 - 17:15:00 | 3 | 10 | 7 | 8 | 30 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 17:15:00 - 17:30:00 | 3 | 10 | 7 | 8 | 30 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 17:30:00 - 17:45:00 | 3 | 10 | 7 | 8 | 30 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 17:45:00 - 18:00:00 | 3 | 9 | 6 | 8 | 30 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 18:00:00 - 18:15:00 | 3 | 10 | 7 | 8 | 30 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 18:15:00 - 18:30:00 | 3 | 9 | 7 | 8 | 30 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 18:30:00 - 18:45:00 | 3 | 9 | 6 | 8 | 30 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 18:45:00 - 19:00:00 | 3 | 9 | 6 | 8 | 30 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 19:00:00 - 19:15:00 | 3 | 9 | 6 | 8 | 30 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 19:15:00 - 19:30:00 | 3 | 9 | 6 | 8 | 30 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 19:30:00 - 19:45:00 | 3 | 9 | 6 | 8 | 29 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 19:45:00 - 20:00:00 | 3 | 9 | 6 | 8 | 29 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 20:00:00 - 20:15:00 | 3 | 9 | 6 | 8 | 29 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 20:15:00 - 20:30:00 | 3 | 9 | 6 | 8 | 29 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 20:30:00 - 20:45:00 | 3 | 9 | 6 | 8 | 29 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 20:45:00 - 21:00:00 | 3 | 9 | 6 | 8 | 29 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 21:00:00 - 21:15:00 | 3 | 9 | 6 | 8 | 29 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 21:15:00 - 21:30:00 | 3 | 9 | 6 | 8 | 29 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 21:30:00 - 21:45:00 | 3 | 10 | 6 | 8 | 29 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 21:45:00 - 22:00:00 | 3 | 10 | 6 | 8 | 29 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 22:00:00 - 22:15:00 | 3 | 10 | 6 | 8 | 29 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 22:15:00 - 22:30:00 | 3 | 10 | 6 | 8 | 29 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 22:30:00 - 22:45:00 | 3 | 10 | 6 | 8 | 29 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 22:45:00 - 23:00:00 | 3 | 10 | 6 | 8 | 29 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 23:00:00 - 23:15:00 | 3 | 10 | 6 | 8 | 29 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 23:15:00 - 23:30:00 | 3 | 10 | 6 | 8 | 28 | Offline | Offline | Offline | Offline | Offline |
| 12/06/2021 | 23:30:00 - 23:45:00 | 3 | 10 | 6 | 8 | 28 | Offline | Offline | Offline | Offline | Offline |
| 12/07/2021 | 23:45:00 - 00:00:00 | 3 | 10 | 6 | 8 | 28 | Offline | Offline | Offline | Offline | Offline |
| 12/07/2021 | 00:00:00 - 00:15:00 | 3 | 10 | 6 | 8 | 28 | Offline | Offline | Offline | Offline | Offline |
| 12/07/2021 | 00:15:00 - 00:30:00 | 3 | 10 | 6 | 8 | 28 | Offline | Offline | Offline | Offline | Offline |
| 12/07/2021 | 00:30:00 - 00:45:00 | 3 | 10 | 6 | 8 | 28 | Offline | Offline | Offline | Offline | Offline |
| 12/07/2021 | 00:45:00 - 01:00:00 | 3 | 10 | 6 | 8 | 28 | Offline | Offline | Offline | Offline | Offline |
| 12/07/2021 | 01:00:00 - 01:15:00 | 3 | 10 | 6 | 8 | 28 | Offline | Offline | Offline | Offline | Offline |
| 12/07/2021 | 01:15:00 - 01:30:00 | 3 | 10 | 6 | 8 | 28 | Offline | Offline | Offline | Offline | Offline |
| 12/07/2021 | 01:30:00 - 01:45:00 | 3 | 10 | 6 | 8 | 28 | Offline | Offline | Offline | Offline | Offline |
| 12/07/2021 | 01:45:00 - 02:00:00 | 3 | 10 | 6 | 8 | 28 | Offline | Offline | Offline | Offline | Offline |
| 12/07/2021 | 02:00:00 - 02:15:00 | 3 | 10 | 6 | 8 | 28 | Offline | Offline | Offline | Offline | Offline |
| 12/07/2021 | 02:15:00 - 02:30:00 | 3 | 10 | 6 | 8 | 28 | Offline | Offline | Offline | Offline | Offline |
| 12/07/2021 | 02:30:00 - 02:45:00 | 3 | 10 | 6 | 8 | 28 | Offline | Offline | Offline | Offline | Offline |
| 12/07/2021 | 02:45:00 - 03:00:00 | 3 | 10 | 7 | 8 | 28 | Offline | Offline | Offline | Offline | Offline |
| 12/07/2021 | 03:00:00 - 03:15:00 | 3 | 10 | 7 | 8 | 28 | Offline | Offline | Offline | Offline | Offline |
| 12/07/2021 | 03:15:00 - 03:30:00 | 3 | 10 | 7 | 8 | 27 | Offline | Offline | Offline | Offline | Offline |
| 12/07/2021 | 03:30:00 - 03:45:00 | 3 | 10 | 7 | 8 | 27 | Offline | Offline | Offline | Offline | Offline |
| 12/07/2021 | 03:45:00 - 04:00:00 | 3 | 10 | 7 | 8 | 27 | Offline | Offline | Offline | Offline | Offline |
| 12/07/2021 | 04:00:00 - 04:15:00 | 3 | 10 | 7 | 8 | 27 | Offline | Offline | Offline | Offline | Offline |
| 12/07/2021 | 04:15:00 - 04:30:00 | 3 | 10 | 7 | 8 | 27 | Offline | Offline | Offline | Offline | Offline |
| 12/07/2021 | 04:30:00 - 04:45:00 | 3 | 10 | 7 | 8 | 27 | Offline | Offline | Offline | Offline | Offline |
| 12/07/2021 | 04:45:00 - 05:00:00 | 4 | 10 | 7 | 9 | 27 | Offline | Offline | Offline | Offline | Offline |
| 12/07/2021 | 05:00:00 - 05:15:00 | 4 | 10 | 7 | 9 | 27 | Offline | Offline | Offline | Offline | Offline |
| 12/07/2021 | 05:15:00 - 05:30:00 | 4 | 10 | 7 | 9 | 27 | Offline | Offline | Offline | Offline | Offline |
| 12/07/2021 | 05:30:00 - 05:45:00 | 4 | 10 | 7 | 9 | 27 | Offline | Offline | Offline | Offline | Offline |
| 12/07/2021 | 05:45:00 - 06:00:00 | 4 | 10 | 7 | 9 | 27 | Offline | Offline | Offline | Offline | Offline |
| 12/07/2021 | 06:00:00 - 06:15:00 | 4 | 10 | 7 | 9 | 27 | Offline | Offline | Offline | Offline | Offline |
| 12/07/2021 | 06:15:00 - 06:30:00 | 4 | 10 | 7 | 9 | 27 | Offline | Offline | Offline | Offline | Offline |
| 12/07/2021 | 06:30:00 - 06:45:00 | 4 | 10 | 7 | 9 | 27 | Offline | Offline | Offline | Offline | Offline |
| 12/07/2021 | 06:45:00 - 07:00:00 | 4 | 10 | 7 | 9 | 27 | Offline | Offline | Offline | Offline | Offline |
| 12/07/2021 | 07:00:00 - 07:15:00 | 4 | 10 | 7 | 9 | 27 | Offline | Offline | Offline | Offline | Offline |
| 12/07/2021 | 07:15:00 - 07:30:00 | 4 | 10 | 7 | 9 | 27 | Offline | Offline | Offline | Offline | Offline |
| 12/07/2021 | 07:30:00 - 07:45:00 | 4 | 10 | 7 | 9 | 27 | Offline | Offline | Offline | Offline | Offline |
| 12/07/2021 | 07:45:00 - 08:00:00 | 4 | 10 | 7 | 9 | 27 | Offline | Offline | Offline | Offline | Offline |
| 12/07/2021 | 08:00:00 - 08:15:00 | 4 | 11 | 7 | 9 | 27 | Offline | Offline | Offline | Offline | Offline |
| 12/07/2021 | 08:15:00 - 08:30:00 | 4 | 11 | 7 | 9 | 26 | Offline | Offline | Offline | Offline | Offline |
| 12/07/2021 | 08:30:00 - 08:45:00 | 4 | 11 | 7 | 9 | 26 | Offline | Offline | Offline | Offline | Offline |
| 12/07/2021 | 08:45:00 - 09:00:00 | 4 | 11 | 8 | 9 | 26 | Offline | Offline | Offline | Offline | Offline |
| 12/07/2021 | 09:00:00 - 09:15:00 | 4 | 12 | 8 | 9 | 26 | Offline | Offline | Offline | Offline | Offline |
| 12/07/2021 | 09:15:00 - 09:30:00 | 4 | 12 | 8 | 10 | 26 | Offline | Offline | Offline | Offline | Offline |
| 12/07/2021 | 09:30:00 - 09:45:00 | 4 | 11 | 8 | 10 | 26 | Offline | Offline | Offline | Offline | Offline |
| 12/07/2021 | 09:45:00 - 10:00:00 | 4 | 11 | 7 | 10 | 26 | Offline | Offline | Offline | Offline | Offline |
| 12/07/2021 | 10:00:00 - 10:15:00 | 4 | 11 | 7 | 10 | 26 | Offline | Offline | Offline | Offline | Offline |
| 12/07/2021 | 10:15:00 - 10:30:00 | 4 | 11 | 7 | 9 | 26 | Offline | Offline | Offline | Offline | Offline |
| 12/07/2021 | 10:30:00 - 10:45:00 | 3 | 11 | 7 | 9 | 26 | Offline | Offline | Offline | Offline | Offline |
| 12/07/2021 | 10:45:00 - 11:00:00 | 3 | 11 | 7 | 9 | 26 | 4.6 | 133.7 | -6.0 | 51.5 | 965.7 |
| 12/07/2021 | 11:00:00 - 11:15:00 | 3 | 11 | 7 | 9 | 26 | 8.5 | 158.9 | -6.5 | 52.4 | 998.8 |
| 12/07/2021 | 11:15:00 - 11:30:00 | 3 | 11 | 7 | 9 | 26 | 8.8 | 156.7 | -6.5 | 51.6 | 998.5 |
| 12/07/2021 | 11:30:00 - 11:45:00 | 3 | 11 | 7 | 9 | 26 | 11.1 | 166.0 | -6.5 | 52.2 | 998.0 |
| 12/07/2021 | 11:45:00 - 12:00:00 | 3 | 11 | 7 | 9 | 26 | 10.4 | 162.3 | -6.2 | 50.8 | 997.7 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 12/07/2021 | 12:00:00 - 12:15:00 | 3 | 11 | 7 | 9 | 26 | 9.7 | 154.0 | -6.1 | 51.1 | 997.4 |
| 12/07/2021 | 12:15:00 - 12:30:00 | 3 | 11 | 7 | 9 | 26 | 10.2 | 157.0 | -6.0 | 50.7 | 997.0 |
| 12/07/2021 | 12:30:00 - 12:45:00 | 3 | 11 | 7 | 9 | 12 | 8.8 | 153.3 | -5.9 | 48.5 | 996.5 |
| 12/07/2021 | 12:45:00 - 13:00:00 | 3 | 11 | 7 | 9 | 7 | 8.9 | 156.6 | -5.7 | 47.4 | 995.8 |
| 12/07/2021 | 13:00:00 - 13:15:00 | 3 | 11 | 7 | 8 | 7 | 10.7 | 161.3 | -5.6 | 47.2 | 995.8 |
| 12/07/2021 | 13:15:00 - 13:30:00 | 3 | 11 | 6 | 8 | 7 | 12.6 | 161.3 | -5.6 | 48.2 | 995.8 |
| 12/07/2021 | 13:30:00 - 13:45:00 | 3 | 11 | 6 | 8 | 7 | 9.0 | 159.2 | -5.4 | 48.5 | 995.5 |
| 12/07/2021 | 13:45:00 - 14:00:00 | 3 | 11 | 6 | 8 | 7 | 10.8 | 163.8 | -5.2 | 48.7 | 995.4 |
| 12/07/2021 | 14:00:00 - 14:15:00 | 3 | 10 | 6 | 8 | 7 | 9.1 | 152.0 | -5.0 | 48.3 | 995.3 |
| 12/07/2021 | 14:15:00 - 14:30:00 | 3 | 10 | 6 | 8 | 7 | 8.2 | 149.4 | -4.8 | 45.6 | 995.1 |
| 12/07/2021 | 14:30:00 - 14:45:00 | 2 | 10 | 6 | 8 | 7 | 11.0 | 160.7 | -4.7 | 41.5 | 994.9 |
| 12/07/2021 | 14:45:00 - 15:00:00 | 2 | 10 | 6 | 8 | 7 | 11.2 | 161.1 | -4.6 | 41.5 | 994.9 |
| 12/07/2021 | 15:00:00 - 15:15:00 | 2 | 10 | 6 | 8 | 7 | 10.7 | 159.4 | -4.6 | 43.4 | 994.8 |
| 12/07/2021 | 15:15:00 - 15:30:00 | 2 | 10 | 6 | 8 | 7 | 10.9 | 162.4 | -4.5 | 45.5 | 994.8 |
| 12/07/2021 | 15:30:00 - 15:45:00 | 2 | 10 | 6 | 8 | 7 | 8.8 | 157.1 | -4.4 | 48.4 | 994.9 |
| 12/07/2021 | 15:45:00 - 16:00:00 | 2 | 10 | 6 | 8 | 7 | 8.6 | 159.3 | -4.4 | 50.1 | 994.7 |
| 12/07/2021 | 16:00:00 - 16:15:00 | 2 | 10 | 6 | 8 | 7 | 8.4 | 155.4 | -4.4 | 50.2 | 994.6 |
| 12/07/2021 | 16:15:00 - 16:30:00 | 2 | 10 | 6 | 8 | 7 | 8.0 | 165.3 | -4.4 | 50.8 | 994.5 |
| 12/07/2021 | 16:30:00 - 16:45:00 | 2 | 10 | 6 | 8 | 7 | 7.6 | 159.5 | -4.4 | 48.9 | 994.5 |
| 12/07/2021 | 16:45:00 - 17:00:00 | 2 | 10 | 6 | 8 | 7 | 9.5 | 163.5 | -4.4 | 48.4 | 994.4 |
| 12/07/2021 | 17:00:00 - 17:15:00 | 2 | 10 | 6 | 8 | 7 | 7.2 | 160.7 | -4.5 | 49.1 | 994.0 |
| 12/07/2021 | 17:15:00 - 17:30:00 | 2 | 10 | 6 | 8 | 7 | 6.4 | 147.7 | -4.6 | 49.7 | 993.9 |
| 12/07/2021 | 17:30:00 - 17:45:00 | 2 | 10 | 6 | 8 | 7 | 5.5 | 125.5 | -4.7 | 51.2 | 993.9 |
| 12/07/2021 | 17:45:00 - 18:00:00 | 2 | 10 | 6 | 8 | 7 | 5.3 | 122.8 | -5.0 | 53.0 | 993.6 |
| 12/07/2021 | 18:00:00 - 18:15:00 | 3 | 11 | 6 | 9 | 7 | 7.9 | 127.4 | -4.8 | 53.1 | 993.1 |
| 12/07/2021 | 18:15:00 - 18:30:00 | 3 | 11 | 6 | 9 | 7 | 7.6 | 125.2 | -4.9 | 55.1 | 992.9 |
| 12/07/2021 | 18:30:00 - 18:45:00 | 3 | 11 | 6 | 9 | 8 | 8.4 | 117.9 | -4.9 | 56.5 | 992.6 |
| 12/07/2021 | 18:45:00 - 19:00:00 | 3 | 11 | 6 | 9 | 8 | 8.8 | 128.8 | -4.8 | 56.8 | 992.2 |
| 12/07/2021 | 19:00:00 - 19:15:00 | 3 | 11 | 6 | 9 | 8 | 7.4 | 147.1 | -4.7 | 53.7 | 992.5 |
| 12/07/2021 | 19:15:00 - 19:30:00 | 3 | 11 | 7 | 9 | 8 | 9.4 | 146.0 | -4.6 | 51.7 | 992.3 |
| 12/07/2021 | 19:30:00 - 19:45:00 | 3 | 11 | 7 | 9 | 8 | 8.8 | 144.9 | -4.6 | 53.4 | 992.0 |
| 12/07/2021 | 19:45:00 - 20:00:00 | 3 | 11 | 7 | 9 | 8 | 7.0 | 152.3 | -4.6 | 54.2 | 992.1 |
| 12/07/2021 | 20:00:00 - 20:15:00 | 3 | 11 | 7 | 9 | 8 | 10.8 | 143.3 | -4.6 | 53.9 | 992.0 |
| 12/07/2021 | 20:15:00 - 20:30:00 | 3 | 11 | 7 | 9 | 8 | 9.6 | 146.1 | -4.7 | 54.1 | 991.8 |
| 12/07/2021 | 20:30:00 - 20:45:00 | 3 | 11 | 7 | 9 | 8 | 9.0 | 143.0 | -4.8 | 54.8 | 991.7 |
| 12/07/2021 | 20:45:00 - 21:00:00 | 3 | 11 | 7 | 9 | 8 | 7.2 | 155.1 | -4.8 | 56.6 | 991.7 |
| 12/07/2021 | 21:00:00 - 21:15:00 | 3 | 11 | 7 | 9 | 8 | 8.2 | 137.2 | -4.8 | 59.0 | 991.8 |
| 12/07/2021 | 21:15:00 - 21:30:00 | 3 | 11 | 7 | 9 | 8 | 6.2 | 151.3 | -4.7 | 60.2 | 991.9 |
| 12/07/2021 | 21:30:00 - 21:45:00 | 3 | 11 | 7 | 9 | 8 | 7.4 | 141.1 | -4.5 | 60.1 | 991.7 |
| 12/07/2021 | 21:45:00 - 22:00:00 | 3 | 11 | 7 | 9 | 8 | 8.8 | 141.4 | -4.5 | 59.7 | 991.3 |
| 12/07/2021 | 22:00:00 - 22:15:00 | 3 | 11 | 7 | 9 | 8 | 8.8 | 145.5 | -4.4 | 59.8 | 991.1 |
| 12/07/2021 | 22:15:00 - 22:30:00 | 3 | 11 | 7 | 9 | 8 | 7.9 | 144.6 | -4.3 | 61.0 | 990.9 |
| 12/07/2021 | 22:30:00 - 22:45:00 | 3 | 11 | 7 | 9 | 8 | 9.7 | 148.5 | -4.2 | 61.2 | 990.7 |
| 12/07/2021 | 22:45:00 - 23:00:00 | 3 | 11 | 7 | 9 | 8 | 8.2 | 154.8 | -4.1 | 62.3 | 990.5 |
| 12/07/2021 | 23:00:00 - 23:15:00 | 3 | 11 | 7 | 9 | 8 | 8.0 | 154.8 | -3.9 | 63.0 | 990.3 |
| 12/07/2021 | 23:15:00 - 23:30:00 | 3 | 11 | 7 | 9 | 8 | 8.9 | 158.7 | -3.8 | 62.5 | 990.2 |
| 12/07/2021 | 23:30:00 - 23:45:00 | 3 | 11 | 7 | 9 | 8 | 9.3 | 160.7 | -3.7 | 63.8 | 990.2 |
| 12/08/2021 | 23:45:00 - 00:00:00 | 3 | 11 | 7 | 9 | 8 | 8.5 | 160.5 | -3.8 | 65.5 | 990.1 |
| 12/08/2021 | 00:00:00 - 00:15:00 | 3 | 11 | 7 | 9 | 8 | 7.6 | 157.3 | -3.9 | 67.2 | 989.9 |
| 12/08/2021 | 00:15:00 - 00:30:00 | 3 | 11 | 7 | 10 | 8 | 7.9 | 160.8 | -4.0 | 68.5 | 989.9 |
| 12/08/2021 | 00:30:00 - 00:45:00 | 3 | 11 | 7 | 10 | 8 | 9.1 | 165.0 | -4.0 | 70.1 | 989.9 |
| 12/08/2021 | 00:45:00 - 01:00:00 | 3 | 11 | 7 | 10 | 8 | 9.7 | 167.8 | -4.0 | 71.7 | 989.8 |
| 12/08/2021 | 01:00:00 - 01:15:00 | 3 | 11 | 7 | 10 | 8 | 11.5 | 169.2 | -3.9 | 72.9 | 989.7 |
| 12/08/2021 | 01:15:00 - 01:30:00 | 3 | 11 | 7 | 10 | 8 | 11.1 | 167.3 | -3.9 | 74.1 | 989.6 |
| 12/08/2021 | 01:30:00 - 01:45:00 | 3 | 11 | 7 | 10 | 8 | 10.3 | 167.5 | -3.9 | 75.8 | 989.4 |
| 12/08/2021 | 01:45:00 - 02:00:00 | 3 | 11 | 7 | 10 | 8 | 10.2 | 167.7 | -3.8 | 77.4 | 989.2 |
| 12/08/2021 | 02:00:00 - 02:15:00 | 3 | 11 | 7 | 10 | 9 | 11.4 | 167.2 | -3.7 | 78.6 | 989.0 |
| 12/08/2021 | 02:15:00 - 02:30:00 | 3 | 11 | 7 | 10 | 9 | 13.1 | 168.3 | -3.7 | 79.8 | 988.9 |
| 12/08/2021 | 02:30:00 - 02:45:00 | 3 | 11 | 7 | 10 | 9 | 11.7 | 166.4 | -3.5 | 80.0 | 989.1 |
| 12/08/2021 | 02:45:00 - 03:00:00 | 3 | 12 | 7 | 10 | 9 | 10.8 | 164.1 | -3.4 | 80.0 | 989.0 |
| 12/08/2021 | 03:00:00 - 03:15:00 | 4 | 12 | 7 | 10 | 9 | 11.2 | 164.7 | -3.3 | 80.5 | 989.0 |
| 12/08/2021 | 03:15:00 - 03:30:00 | 4 | 12 | 7 | 10 | 9 | 9.0 | 165.4 | -3.3 | 81.0 | 988.9 |
| 12/08/2021 | 03:30:00 - 03:45:00 | 4 | 12 | 7 | 11 | 9 | 12.5 | 162.9 | -3.2 | 81.2 | 988.8 |
| 12/08/2021 | 03:45:00 - 04:00:00 | 4 | 12 | 8 | 11 | 9 | 10.6 | 162.5 | -3.1 | 82.0 | 988.6 |
| 12/08/2021 | 04:00:00 - 04:15:00 | 4 | 12 | 8 | 11 | 9 | 12.2 | 164.0 | -3.1 | 82.3 | 988.3 |
| 12/08/2021 | 04:15:00 - 04:30:00 | 4 | 12 | 8 | 11 | 10 | 12.5 | 162.0 | -3.2 | 83.2 | 988.0 |
| 12/08/2021 | 04:30:00 - 04:45:00 | 4 | 12 | 8 | 11 | 10 | 12.1 | 161.5 | -3.3 | 84.0 | 987.9 |
| 12/08/2021 | 04:45:00 - 05:00:00 | 4 | 12 | 8 | 11 | 10 | 12.0 | 162.7 | -3.4 | 84.9 | 987.7 |
| 12/08/2021 | 05:00:00 - 05:15:00 | 4 | 13 | 8 | 12 | 10 | 15.2 | 161.9 | -3.6 | 85.8 | 987.8 |
| 12/08/2021 | 05:15:00 - 05:30:00 | 5 | 13 | 8 | 12 | 10 | 11.9 | 161.7 | -3.7 | 86.8 | 987.8 |
| 12/08/2021 | 05:30:00 - 05:45:00 | 5 | 13 | 8 | 12 | 10 | 11.6 | 160.5 | -3.8 | 87.8 | 987.7 |
| 12/08/2021 | 05:45:00 - 06:00:00 | 5 | 13 | 8 | 12 | 11 | 13.3 | 162.8 | -3.8 | 88.7 | 987.6 |
| 12/08/2021 | 06:00:00 - 06:15:00 | 5 | 13 | 9 | 13 | 11 | 14.7 | 165.6 | -3.8 | 89.0 | 987.6 |
| 12/08/2021 | 06:15:00 - 06:30:00 | 5 | 13 | 9 | 13 | 11 | 12.7 | 164.7 | -3.9 | 89.1 | 987.4 |
| 12/08/2021 | 06:30:00 - 06:45:00 | 5 | 14 | 9 | 13 | 11 | 13.2 | 166.4 | -4.0 | 90.0 | 987.4 |
| 12/08/2021 | 06:45:00 - 07:00:00 | 5 | 14 | 9 | 14 | 12 | 12.0 | 163.7 | -4.0 | 90.0 | 987.5 |
| 12/08/2021 | 07:00:00 - 07:15:00 | 6 | 14 | 9 | 14 | 12 | 15.2 | 164.8 | -3.9 | 90.4 | 987.6 |
| 12/08/2021 | 07:15:00 - 07:30:00 | 6 | 14 | 10 | 14 | 12 | 14.8 | 162.8 | -4.0 | 91.0 | 987.6 |
| 12/08/2021 | 07:30:00 - 07:45:00 | 6 | 14 | 10 | 15 | 12 | 12.4 | 160.8 | -4.1 | 91.1 | 987.5 |
| 12/08/2021 | 07:45:00 - 08:00:00 | 6 | 15 | 10 | 15 | 13 | 9.2 | 152.9 | -4.1 | 91.8 | 987.5 |
| 12/08/2021 | 08:00:00 - 08:15:00 | 6 | 15 | 10 | 15 | 13 | 8.6 | 153.3 | -3.7 | 90.7 | 987.5 |
| 12/08/2021 | 08:15:00 - 08:30:00 | 7 | 15 | 10 | 16 | 13 | 7.4 | 131.6 | -3.2 | 88.8 | 987.7 |
| 12/08/2021 | 08:30:00 - 08:45:00 | 7 | 15 | 10 | 16 | 14 | 10.2 | 116.7 | -2.7 | 86.6 | 987.8 |
| 12/08/2021 | 08:45:00 - 09:00:00 | 7 | 15 | 11 | 16 | 14 | 9.5 | 119.1 | -2.3 | 84.6 | 987.9 |
| 12/08/2021 | 09:00:00 - 09:15:00 | 7 | 16 | 11 | 16 | 14 | 12.5 | 113.9 | -2.0 | 83.0 | 988.2 |
| 12/08/2021 | 09:15:00 - 09:30:00 | 7 | 16 | 11 | 16 | 14 | 13.0 | 108.2 | -1.6 | 81.5 | 988.2 |
| 12/08/2021 | 09:30:00 - 09:45:00 | 7 | 16 | 11 | 16 | 14 | 12.3 | 98.0 | -1.3 | 80.2 | 988.2 |
| 12/08/2021 | 09:45:00 - 10:00:00 | 7 | 16 | 11 | 16 | 14 | 12.5 | 92.8 | -0.7 | 77.8 | 988.3 |
| 12/08/2021 | 10:00:00 - 10:15:00 | 7 | 16 | 11 | 16 | 14 | 13.1 | 86.6 | 0.0 | 74.0 | 988.6 |
| 12/08/2021 | 10:15:00 - 10:30:00 | 8 | 16 | 11 | 16 | 14 | 17.2 | 80.9 | 0.3 | 71.7 | 988.7 |
| 12/08/2021 | 10:30:00 - 10:45:00 | 8 | 16 | 11 | 16 | 15 | 15.9 | 74.6 | 0.7 | 71.0 | 989.0 |
| 12/08/2021 | 10:45:00 - 11:00:00 | 8 | 16 | 11 | 16 | 15 | 18.3 | 73.1 | 1.0 | 67.3 | 989.0 |
| 12/08/2021 | 11:00:00 - 11:15:00 | 8 | 16 | 11 | 16 | 15 | 19.0 | 77.8 | 1.4 | 64.1 | 989.1 |
| 12/08/2021 | 11:15:00 - 11:30:00 | 8 | 16 | 11 | 16 | 15 | 18.3 | 66.4 | 1.9 | 60.9 | 989.2 |
| 12/08/2021 | 11:30:00 - 11:45:00 | 8 | 16 | 11 | 16 | 15 | 15.7 | 72.1 | 2.4 | 57.3 | 989.2 |
| 12/08/2021 | 11:45:00 - 12:00:00 | 8 | 16 | 14 | 16 | 15 | 19.6 | 74.0 | 2.4 | 53.0 | 989.2 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 12/08/2021 | 12:00:00 - 12:15:00 | 13 | 16 | 15 | 16 | 15 | 18.7 | 64.7 | 2.6 | 51.1 | 989.3 |
| 12/08/2021 | 12:15:00 - 12:30:00 | 13 | 21 | 15 | 16 | 15 | 19.5 | 70.4 | 2.8 | 50.7 | 989.4 |
| 12/08/2021 | 12:30:00 - 12:45:00 | 13 | 20 | 15 | 21 | 19 | 14.5 | 76.0 | 2.9 | 50.0 | 989.4 |
| 12/08/2021 | 12:45:00 - 13:00:00 | 14 | 21 | 16 | 22 | 20 | Offline | Offline | Offline | Offline | Offline |
| 12/08/2021 | 13:00:00 - 13:15:00 | 14 | 20 | 16 | 22 | 20 | Offline | Offline | Offline | Offline | Offline |
| 12/08/2021 | 13:15:00 - 13:30:00 | 14 | 20 | 15 | 21 | 19 | Offline | Offline | Offline | Offline | Offline |
| 12/08/2021 | 13:30:00 - 13:45:00 | 14 | 20 | 15 | 21 | 19 | 14.4 | 38.9 | 3.5 | 46.0 | 989.4 |
| 12/08/2021 | 13:45:00 - 14:00:00 | 13 | 20 | 15 | 20 | 19 | 16.8 | 50.8 | 3.6 | 45.2 | 989.3 |
| 12/08/2021 | 14:00:00 - 14:15:00 | 13 | 20 | 15 | 20 | 19 | 14.6 | 50.6 | 3.6 | 42.9 | 989.3 |
| 12/08/2021 | 14:15:00 - 14:30:00 | 13 | 20 | 15 | 20 | 18 | 13.5 | 41.9 | 3.4 | 45.2 | 989.6 |
| 12/08/2021 | 14:30:00 - 14:45:00 | 13 | 20 | 15 | 20 | 18 | 14.6 | 46.1 | 3.3 | 44.6 | 989.8 |
| 12/08/2021 | 14:45:00 - 15:00:00 | 13 | 19 | 15 | 20 | 18 | 14.3 | 45.1 | 3.3 | 43.9 | 989.9 |
| 12/08/2021 | 15:00:00 - 15:15:00 | 13 | 19 | 15 | 20 | 18 | 13.4 | 49.6 | 3.2 | 44.7 | 989.9 |
| 12/08/2021 | 15:15:00 - 15:30:00 | 13 | 18 | 16 | 20 | 18 | 13.6 | 63.1 | 2.9 | 45.2 | 989.9 |
| 12/08/2021 | 15:30:00 - 15:45:00 | 12 | 19 | 16 | 21 | 18 | 12.7 | 47.3 | 2.8 | 45.7 | 990.0 |
| 12/08/2021 | 15:45:00 - 16:00:00 | 12 | 19 | 16 | 20 | 18 | 11.9 | 54.5 | 2.8 | 45.3 | 990.4 |
| 12/08/2021 | 16:00:00 - 16:15:00 | 12 | 19 | 16 | 21 | 18 | 10.8 | 39.2 | 2.7 | 45.6 | 990.6 |
| 12/08/2021 | 16:15:00 - 16:30:00 | 13 | 19 | 16 | 21 | 19 | 9.7 | 27.7 | 2.6 | 45.8 | 990.5 |
| 12/08/2021 | 16:30:00 - 16:45:00 | 13 | 20 | 17 | 22 | 19 | 7.2 | 44.4 | 2.3 | 47.0 | 990.7 |
| 12/08/2021 | 16:45:00 - 17:00:00 | 13 | 21 | 17 | 23 | 19 | 5.7 | 50.9 | 1.8 | 48.2 | 990.8 |
| 12/08/2021 | 17:00:00 - 17:15:00 | 14 | 21 | 17 | 23 | 19 | 4.0 | 17.0 | 1.1 | 51.2 | 990.6 |
| 12/08/2021 | 17:15:00 - 17:30:00 | 14 | 22 | 18 | 24 | 19 | 4.7 | 20.8 | 0.8 | 53.2 | 990.8 |
| 12/08/2021 | 17:30:00 - 17:45:00 | 14 | 22 | 18 | 24 | 20 | 3.0 | 75.4 | 0.0 | 56.8 | 991.0 |
| 12/08/2021 | 17:45:00 - 18:00:00 | 15 | 22 | 18 | 25 | 20 | 2.5 | 59.9 | -0.3 | 59.0 | 990.9 |
| 12/08/2021 | 18:00:00 - 18:15:00 | 15 | 23 | 18 | 26 | 20 | 3.5 | 54.5 | -0.6 | 61.1 | 990.7 |
| 12/08/2021 | 18:15:00 - 18:30:00 | 15 | 23 | 19 | 27 | 21 | 2.8 | 40.7 | -1.1 | 62.7 | 990.4 |
| 12/08/2021 | 18:30:00 - 18:45:00 | 16 | 24 | 19 | 27 | 21 | 2.1 | 53.3 | -1.7 | 65.7 | 990.3 |
| 12/08/2021 | 18:45:00 - 19:00:00 | 16 | 25 | 19 | 28 | 21 | 2.2 | 50.8 | -1.9 | 67.7 | 990.1 |
| 12/08/2021 | 19:00:00 - 19:15:00 | 17 | 25 | 20 | 29 | 22 | 1.9 | 53.0 | -2.3 | 69.0 | 990.1 |
| 12/08/2021 | 19:15:00 - 19:30:00 | 17 | 26 | 20 | 30 | 22 | 2.0 | 52.4 | -2.5 | 69.9 | 990.3 |
| 12/08/2021 | 19:30:00 - 19:45:00 | 18 | 27 | 21 | 31 | 23 | 2.1 | 80.2 | -2.5 | 71.6 | 990.5 |
| 12/08/2021 | 19:45:00 - 20:00:00 | 18 | 28 | 22 | 32 | 23 | 2.1 | 53.8 | -2.7 | 72.6 | 990.4 |
| 12/08/2021 | 20:00:00 - 20:15:00 | 19 | 28 | 22 | 32 | 24 | 2.3 | 92.0 | -2.5 | 70.9 | 990.6 |
| 12/08/2021 | 20:15:00 - 20:30:00 | 19 | 29 | 22 | 32 | 24 | 2.8 | 109.6 | -1.6 | 67.5 | 990.4 |
| 12/08/2021 | 20:30:00 - 20:45:00 | 19 | 29 | 22 | 33 | 24 | 3.3 | 85.3 | -1.7 | 67.7 | 990.4 |
| 12/08/2021 | 20:45:00 - 21:00:00 | 19 | 29 | 22 | 33 | 24 | 2.7 | 89.2 | -1.8 | 68.0 | 990.5 |
| 12/08/2021 | 21:00:00 - 21:15:00 | 19 | 29 | 22 | 33 | 25 | 3.8 | 100.9 | -1.6 | 67.1 | 990.5 |
| 12/08/2021 | 21:15:00 - 21:30:00 | 19 | 29 | 22 | 33 | 25 | 4.5 | 127.1 | -1.5 | 66.4 | 990.6 |
| 12/08/2021 | 21:30:00 - 21:45:00 | 19 | 30 | 23 | 33 | 25 | 4.1 | 125.1 | -1.4 | 66.4 | 990.5 |
| 12/08/2021 | 21:45:00 - 22:00:00 | 20 | 30 | 23 | 33 | 25 | 5.6 | 128.3 | -1.4 | 66.2 | 990.5 |
| 12/08/2021 | 22:00:00 - 22:15:00 | 20 | 30 | 23 | 33 | 25 | 4.1 | 125.2 | -1.5 | 66.7 | 990.6 |
| 12/08/2021 | 22:15:00 - 22:30:00 | 20 | 30 | 23 | 33 | 25 | 3.7 | 133.0 | -1.7 | 67.6 | 990.6 |
| 12/08/2021 | 22:30:00 - 22:45:00 | 20 | 30 | 23 | 33 | 26 | 5.5 | 136.0 | -1.6 | 67.3 | 990.9 |
| 12/08/2021 | 22:45:00 - 23:00:00 | 20 | 30 | 23 | 33 | 26 | 5.8 | 122.3 | -1.5 | 67.0 | 991.0 |
| 12/08/2021 | 23:00:00 - 23:15:00 | 20 | 30 | 23 | 33 | 26 | 5.7 | 125.7 | -1.6 | 67.4 | 990.7 |
| 12/08/2021 | 23:15:00 - 23:30:00 | 20 | 30 | 23 | 33 | 26 | 5.9 | 126.9 | -1.6 | 67.5 | 990.4 |
| 12/08/2021 | 23:30:00 - 23:45:00 | 20 | 30 | 23 | 33 | 26 | 5.7 | 129.8 | -1.6 | 67.2 | 990.4 |
| 12/09/2021 | 23:45:00 - 00:00:00 | 20 | 30 | 23 | 33 | 26 | 7.6 | 109.8 | -1.6 | 67.6 | 990.3 |
| 12/09/2021 | 00:00:00 - 00:15:00 | 20 | 30 | 23 | 33 | 26 | 7.1 | 117.3 | -1.7 | 67.8 | 990.2 |
| 12/09/2021 | 00:15:00 - 00:30:00 | 20 | 30 | 23 | 33 | 26 | 5.5 | 132.0 | -1.8 | 68.0 | 990.3 |
| 12/09/2021 | 00:30:00 - 00:45:00 | 20 | 30 | 23 | 33 | 26 | 7.1 | 142.5 | -1.7 | 67.5 | 990.4 |
| 12/09/2021 | 00:45:00 - 01:00:00 | 20 | 30 | 23 | 33 | 26 | 6.9 | 137.0 | -1.8 | 68.0 | 990.2 |
| 12/09/2021 | 01:00:00 - 01:15:00 | 20 | 30 | 23 | 33 | 26 | 6.4 | 140.7 | -1.7 | 68.0 | 990.1 |
| 12/09/2021 | 01:15:00 - 01:30:00 | 19 | 30 | 23 | 33 | 26 | 7.5 | 131.1 | -1.6 | 67.6 | 989.9 |
| 12/09/2021 | 01:30:00 - 01:45:00 | 19 | 30 | 23 | 33 | 26 | 8.4 | 124.2 | -1.5 | 67.0 | 989.7 |
| 12/09/2021 | 01:45:00 - 02:00:00 | 19 | 30 | 23 | 32 | 26 | 7.5 | 128.2 | -1.4 | 67.0 | 989.3 |
| 12/09/2021 | 02:00:00 - 02:15:00 | 19 | 30 | 23 | 32 | 26 | 8.4 | 136.6 | -1.3 | 66.3 | 989.1 |
| 12/09/2021 | 02:15:00 - 02:30:00 | 19 | 30 | 22 | 32 | 26 | 9.6 | 134.0 | -1.3 | 66.4 | 988.9 |
| 12/09/2021 | 02:30:00 - 02:45:00 | 19 | 30 | 22 | 32 | 26 | 10.0 | 133.2 | -1.2 | 67.0 | 988.6 |
| 12/09/2021 | 02:45:00 - 03:00:00 | 19 | 29 | 22 | 32 | 26 | 11.3 | 127.2 | -0.8 | 66.6 | 988.8 |
| 12/09/2021 | 03:00:00 - 03:15:00 | 19 | 29 | 22 | 32 | 26 | 11.6 | 129.3 | -0.6 | 66.4 | 988.7 |
| 12/09/2021 | 03:15:00 - 03:30:00 | 19 | 29 | 22 | 31 | 25 | 15.0 | 132.1 | -0.5 | 66.0 | 988.7 |
| 12/09/2021 | 03:30:00 - 03:45:00 | 18 | 29 | 22 | 31 | 25 | 14.6 | 130.2 | -0.6 | 67.0 | 988.3 |
| 12/09/2021 | 03:45:00 - 04:00:00 | 18 | 29 | 22 | 31 | 25 | 14.3 | 130.4 | -0.6 | 67.5 | 987.9 |
| 12/09/2021 | 04:00:00 - 04:15:00 | 18 | 29 | 22 | 31 | 25 | 12.8 | 127.9 | -0.5 | 67.6 | 987.3 |
| 12/09/2021 | 04:15:00 - 04:30:00 | 18 | 29 | 22 | 31 | 25 | 13.2 | 132.4 | -0.5 | 68.4 | 987.0 |
| 12/09/2021 | 04:30:00 - 04:45:00 | 18 | 28 | 21 | 30 | 25 | 12.2 | 133.9 | -0.4 | 69.0 | 986.6 |
| 12/09/2021 | 04:45:00 - 05:00:00 | 18 | 28 | 21 | 30 | 25 | 8.8 | 138.0 | -0.4 | 70.3 | 986.4 |
| 12/09/2021 | 05:00:00 - 05:15:00 | 18 | 28 | 21 | 30 | 25 | 9.9 | 133.6 | -0.4 | 71.6 | 986.1 |
| 12/09/2021 | 05:15:00 - 05:30:00 | 18 | 28 | 21 | 30 | 25 | 12.2 | 146.2 | 0.0 | 72.0 | 985.9 |
| 12/09/2021 | 05:30:00 - 05:45:00 | 18 | 28 | 21 | 30 | 25 | 12.6 | 144.8 | 0.3 | 72.0 | 985.3 |
| 12/09/2021 | 05:45:00 - 06:00:00 | 18 | 28 | 21 | 30 | 25 | 11.1 | 147.8 | 0.5 | 72.0 | 985.2 |
| 12/09/2021 | 06:00:00 - 06:15:00 | 18 | 28 | 21 | 30 | 25 | 10.1 | 151.0 | 0.5 | 73.0 | 985.4 |
| 12/09/2021 | 06:15:00 - 06:30:00 | 18 | 28 | 21 | 30 | 25 | 10.9 | 141.5 | 0.7 | 73.0 | 985.2 |
| 12/09/2021 | 06:30:00 - 06:45:00 | 18 | 28 | 21 | 30 | 25 | 12.2 | 141.2 | 0.7 | 73.9 | 984.9 |
| 12/09/2021 | 06:45:00 - 07:00:00 | 18 | 28 | 21 | 30 | 25 | 12.1 | 142.9 | 0.7 | 74.0 | 984.9 |
| 12/09/2021 | 07:00:00 - 07:15:00 | 18 | 28 | 21 | 30 | 25 | 14.9 | 138.8 | 0.7 | 74.9 | 984.4 |
| 12/09/2021 | 07:15:00 - 07:30:00 | 18 | 28 | 21 | 30 | 25 | 11.1 | 140.0 | 0.9 | 75.0 | 984.5 |
| 12/09/2021 | 07:30:00 - 07:45:00 | 18 | 28 | 21 | 30 | 25 | 15.2 | 142.5 | 1.0 | 75.0 | 983.8 |
| 12/09/2021 | 07:45:00 - 08:00:00 | 18 | 28 | 21 | 30 | 25 | 13.3 | 134.6 | 1.2 | 75.0 | 983.8 |
| 12/09/2021 | 08:00:00 - 08:15:00 | 18 | 28 | 21 | 30 | 25 | 17.3 | 132.3 | 1.4 | 74.0 | 983.4 |
| 12/09/2021 | 08:15:00 - 08:30:00 | 18 | 28 | 21 | 30 | 25 | 19.6 | 134.5 | 1.7 | 72.8 | 982.6 |
| 12/09/2021 | 08:30:00 - 08:45:00 | 18 | 25 | 21 | 30 | 25 | 20.6 | 140.8 | 2.1 | 70.8 | 982.3 |
| 12/09/2021 | 08:45:00 - 09:00:00 | 17 | 24 | 20 | 30 | 25 | 15.1 | 138.0 | 2.3 | 70.0 | 982.6 |
| 12/09/2021 | 09:00:00 - 09:15:00 | 16 | 24 | 19 | 30 | 25 | 17.8 | 137.0 | 2.6 | 68.6 | 982.2 |
| 12/09/2021 | 09:15:00 - 09:30:00 | 15 | 23 | 19 | 27 | 25 | 11.2 | 144.7 | 3.0 | 67.7 | 982.2 |
| 12/09/2021 | 09:30:00 - 09:45:00 | 15 | 24 | 19 | 26 | 25 | 11.4 | 144.7 | 3.2 | 66.8 | 982.0 |
| 12/09/2021 | 09:45:00 - 10:00:00 | 15 | 23 | 19 | 25 | 25 | 12.6 | 152.5 | 3.5 | 65.9 | 981.8 |
| 12/09/2021 | 10:00:00 - 10:15:00 | 15 | 23 | 19 | 25 | 25 | 14.0 | 150.5 | 4.2 | 62.9 | 981.3 |
| 12/09/2021 | 10:15:00 - 10:30:00 | 15 | 23 | 18 | 25 | 25 | 16.0 | 149.3 | 4.9 | 59.5 | 981.0 |
| 12/09/2021 | 10:30:00 - 10:45:00 | 15 | 23 | 18 | 24 | 25 | 14.3 | 153.5 | 5.2 | 58.3 | 980.9 |
| 12/09/2021 | 10:45:00 - 11:00:00 | 15 | 23 | 18 | 24 | 25 | 18.2 | 158.4 | 5.3 | 59.0 | 980.6 |
| 12/09/2021 | 11:00:00 - 11:15:00 | 15 | 22 | 18 | 24 | 25 | 18.8 | 162.4 | 5.7 | 58.5 | 980.4 |
| 12/09/2021 | 11:15:00 - 11:30:00 | 15 | 22 | 18 | 24 | 24 | 22.4 | 164.2 | 6.1 | 59.1 | 980.2 |
| 12/09/2021 | 11:30:00 - 11:45:00 | 15 | 22 | 18 | 24 | 24 | 20.7 | 166.9 | 7.4 | 57.5 | 979.9 |
| 12/09/2021 | 11:45:00 - 12:00:00 | 15 | 22 | 18 | 23 | 24 | 24.2 | 162.6 | 8.0 | 57.2 | 979.4 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 12/09/2021 | 12:00:00 - 12:15:00 | 15 | 22 | 17 | 23 | 24 | 21.6 | 162.7 | 8.5 | 58.0 | 979.1 |
| 12/09/2021 | 12:15:00 - 12:30:00 | 15 | 22 | 17 | 23 | 24 | 19.8 | 164.3 | 9.2 | 58.2 | 978.8 |
| 12/09/2021 | 12:30:00 - 12:45:00 | 15 | 22 | 17 | 23 | 24 | 21.1 | 158.4 | 9.7 | 59.5 | 978.5 |
| 12/09/2021 | 12:45:00 - 13:00:00 | 15 | 22 | 17 | 23 | 24 | 22.5 | 162.9 | 9.9 | 61.4 | 978.1 |
| 12/09/2021 | 13:00:00 - 13:15:00 | 15 | 22 | 17 | 23 | 24 | 25.0 | 162.7 | 10.2 | 61.3 | 978.1 |
| 12/09/2021 | 13:15:00 - 13:30:00 | 15 | 22 | 17 | 24 | 24 | 23.6 | 159.4 | 10.2 | 62.9 | 978.1 |
| 12/09/2021 | 13:30:00 - 13:45:00 | 15 | 22 | 17 | 24 | 24 | 20.3 | 166.2 | 10.6 | 63.6 | 978.0 |
| 12/09/2021 | 13:45:00 - 14:00:00 | 15 | 22 | 17 | 24 | 24 | 17.7 | 160.9 | 10.7 | 62.9 | 978.1 |
| 12/09/2021 | 14:00:00 - 14:15:00 | 16 | 22 | 17 | 24 | 24 | 15.1 | 155.1 | 10.8 | 63.7 | 978.2 |
| 12/09/2021 | 14:15:00 - 14:30:00 | 16 | 22 | 17 | 24 | 24 | 21.3 | 162.2 | 10.8 | 65.4 | 978.2 |
| 12/09/2021 | 14:30:00 - 14:45:00 | 16 | 22 | 17 | 24 | 24 | 20.7 | 161.4 | 10.7 | 66.6 | 978.1 |
| 12/09/2021 | 14:45:00 - 15:00:00 | 16 | 22 | 17 | 24 | 24 | 18.7 | 162.7 | 11.1 | 66.0 | 978.0 |
| 12/09/2021 | 15:00:00 - 15:15:00 | 16 | 22 | 17 | 24 | 24 | 16.4 | 161.0 | 11.3 | 66.7 | 978.2 |
| 12/09/2021 | 15:15:00 - 15:30:00 | 16 | 22 | 18 | 25 | 24 | 16.1 | 162.2 | 11.3 | 67.5 | 978.7 |
| 12/09/2021 | 15:30:00 - 15:45:00 | 17 | 22 | 18 | 25 | 24 | 13.4 | 168.2 | 11.4 | 69.8 | 979.0 |
| 12/09/2021 | 15:45:00 - 16:00:00 | 17 | 23 | 18 | 25 | 24 | 13.3 | 158.3 | 11.5 | 72.5 | 979.1 |
| 12/09/2021 | 16:00:00 - 16:15:00 | 17 | 23 | 18 | 26 | 24 | 10.3 | 150.9 | 11.4 | 73.9 | 979.3 |
| 12/09/2021 | 16:15:00 - 16:30:00 | 18 | 23 | 19 | 26 | 24 | 15.5 | 162.0 | 11.3 | 75.0 | 979.4 |
| 12/09/2021 | 16:30:00 - 16:45:00 | 18 | 23 | 19 | 26 | 24 | 8.5 | 148.7 | 10.8 | 76.3 | 979.6 |
| 12/09/2021 | 16:45:00 - 17:00:00 | 18 | 24 | 19 | 27 | 24 | 10.4 | 163.4 | 10.4 | 78.1 | 979.7 |
| 12/09/2021 | 17:00:00 - 17:15:00 | 19 | 24 | 20 | 27 | 24 | 12.5 | 161.2 | 10.1 | 79.6 | 980.0 |
| 12/09/2021 | 17:15:00 - 17:30:00 | 19 | 24 | 20 | 28 | 25 | 13.1 | 159.2 | 9.8 | 80.6 | 980.2 |
| 12/09/2021 | 17:30:00 - 17:45:00 | 19 | 25 | 20 | 28 | 25 | 15.2 | 163.6 | 9.5 | 81.6 | 980.3 |
| 12/09/2021 | 17:45:00 - 18:00:00 | 20 | 25 | 21 | 29 | 25 | 13.3 | 163.8 | 9.2 | 82.7 | 980.4 |
| 12/09/2021 | 18:00:00 - 18:15:00 | 20 | 25 | 21 | 29 | 25 | 14.4 | 166.5 | 9.0 | 83.7 | 980.5 |
| 12/09/2021 | 18:15:00 - 18:30:00 | 20 | 26 | 21 | 30 | 25 | 12.6 | 161.3 | 8.9 | 84.2 | 980.8 |
| 12/09/2021 | 18:30:00 - 18:45:00 | 20 | 26 | 21 | 30 | 25 | 15.2 | 160.1 | 8.8 | 85.0 | 980.9 |
| 12/09/2021 | 18:45:00 - 19:00:00 | 21 | 26 | 22 | 31 | 25 | 9.3 | 147.5 | 8.6 | 85.6 | 981.1 |
| 12/09/2021 | 19:00:00 - 19:15:00 | 21 | 27 | 22 | 31 | 25 | 9.1 | 145.6 | 8.3 | 86.6 | 981.4 |
| 12/09/2021 | 19:15:00 - 19:30:00 | 21 | 27 | 22 | 32 | 26 | 7.2 | 152.2 | 7.8 | 87.7 | 981.8 |
| 12/09/2021 | 19:30:00 - 19:45:00 | 21 | 27 | 23 | 32 | 26 | 11.5 | 159.8 | 7.6 | 88.8 | 981.9 |
| 12/09/2021 | 19:45:00 - 20:00:00 | 22 | 28 | 23 | 32 | 26 | 6.5 | 133.4 | 7.3 | 89.5 | 982.1 |
| 12/09/2021 | 20:00:00 - 20:15:00 | 22 | 28 | 23 | 33 | 26 | 7.4 | 142.4 | 7.1 | 90.6 | 982.3 |
| 12/09/2021 | 20:15:00 - 20:30:00 | 22 | 28 | 23 | 33 | 26 | 6.2 | 135.7 | 6.9 | 91.0 | 982.4 |
| 12/09/2021 | 20:30:00 - 20:45:00 | 23 | 29 | 24 | 34 | 26 | 6.2 | 143.6 | 6.6 | 92.1 | 982.5 |
| 12/09/2021 | 20:45:00 - 21:00:00 | 23 | 29 | 24 | 34 | 26 | 5.8 | 124.9 | 6.6 | 92.6 | 982.6 |
| 12/09/2021 | 21:00:00 - 21:15:00 | 23 | 29 | 24 | 34 | 26 | 7.4 | 134.9 | 6.4 | 93.4 | 982.7 |
| 12/09/2021 | 21:15:00 - 21:30:00 | 23 | 29 | 24 | 35 | 27 | 4.8 | 109.4 | 6.2 | 93.5 | 982.7 |
| 12/09/2021 | 21:30:00 - 21:45:00 | 23 | 30 | 24 | 35 | 27 | 6.0 | 98.3 | 5.7 | 94.5 | 982.8 |
| 12/09/2021 | 21:45:00 - 22:00:00 | 24 | 30 | 25 | 36 | 27 | 3.8 | 81.4 | 5.2 | 95.4 | 982.9 |
| 12/09/2021 | 22:00:00 - 22:15:00 | 24 | 30 | 25 | 36 | 27 | 5.8 | 108.1 | 5.4 | 97.0 | 983.0 |
| 12/09/2021 | 22:15:00 - 22:30:00 | 24 | 31 | 25 | 37 | 27 | 4.7 | 110.6 | 5.7 | 97.1 | 983.0 |
| 12/09/2021 | 22:30:00 - 22:45:00 | 25 | 31 | 25 | 37 | 27 | 8.9 | 146.0 | 6.0 | 97.5 | 983.0 |
| 12/09/2021 | 22:45:00 - 23:00:00 | 25 | 31 | 26 | 38 | 27 | 6.5 | 127.8 | 6.1 | 97.0 | 983.0 |
| 12/09/2021 | 23:00:00 - 23:15:00 | 25 | 32 | 26 | 38 | 28 | 5.8 | 124.0 | 5.9 | 97.1 | 983.2 |
| 12/09/2021 | 23:15:00 - 23:30:00 | 26 | 32 | 26 | 39 | 28 | 6.2 | 125.8 | 6.0 | 97.7 | 983.3 |
| 12/09/2021 | 23:30:00 - 23:45:00 | 26 | 33 | 27 | 39 | 28 | 8.6 | 142.8 | 6.0 | 97.8 | 983.5 |
| 12/10/2021 | 23:45:00 - 00:00:00 | 26 | 33 | 27 | 40 | 28 | 8.0 | 124.9 | 6.0 | 97.6 | 983.7 |
| 12/10/2021 | 00:00:00 - 00:15:00 | 27 | 33 | 27 | 40 | 28 | 6.6 | 123.3 | 5.7 | 97.9 | 983.9 |
| 12/10/2021 | 00:15:00 - 00:30:00 | 27 | 34 | 28 | 41 | 29 | 7.2 | 142.1 | 5.7 | 98.4 | 983.9 |
| 12/10/2021 | 00:30:00 - 00:45:00 | 27 | 34 | 28 | 41 | 29 | 10.1 | 148.8 | 5.6 | 99.0 | 983.8 |
| 12/10/2021 | 00:45:00 - 01:00:00 | 28 | 35 | 28 | 42 | 29 | 8.4 | 143.0 | 5.6 | 99.0 | 983.9 |
| 12/10/2021 | 01:00:00 - 01:15:00 | 28 | 35 | 28 | 42 | 29 | 6.6 | 121.1 | 5.3 | 99.0 | 983.9 |
| 12/10/2021 | 01:15:00 - 01:30:00 | 28 | 35 | 28 | 42 | 29 | 7.2 | 112.8 | 5.0 | 99.9 | 984.2 |
| 12/10/2021 | 01:30:00 - 01:45:00 | 28 | 35 | 27 | 42 | 29 | 7.1 | 128.3 | 4.9 | 100.0 | 984.3 |
| 12/10/2021 | 01:45:00 - 02:00:00 | 28 | 35 | 27 | 42 | 29 | 7.2 | 110.0 | 4.9 | 100.0 | 984.1 |
| 12/10/2021 | 02:00:00 - 02:15:00 | 28 | 35 | 27 | 42 | 29 | 6.7 | 96.6 | 4.7 | 100.0 | 984.2 |
| 12/10/2021 | 02:15:00 - 02:30:00 | 28 | 35 | 27 | 42 | 29 | 4.4 | 71.7 | 4.5 | 100.0 | 984.3 |
| 12/10/2021 | 02:30:00 - 02:45:00 | 28 | 35 | 27 | 42 | 29 | 4.1 | 51.4 | 4.4 | 100.0 | 984.3 |
| 12/10/2021 | 02:45:00 - 03:00:00 | 28 | 35 | 27 | 42 | 30 | 2.6 | 86.4 | 4.2 | 100.0 | 984.5 |
| 12/10/2021 | 03:00:00 - 03:15:00 | 28 | 35 | 27 | 42 | 30 | 3.1 | 137.7 | 4.0 | 100.0 | 984.8 |
| 12/10/2021 | 03:15:00 - 03:30:00 | 28 | 35 | 27 | 42 | 30 | 8.2 | 157.9 | 4.1 | 100.0 | 984.8 |
| 12/10/2021 | 03:30:00 - 03:45:00 | 27 | 35 | 27 | 42 | 30 | 5.2 | 149.3 | 3.3 | 100.0 | 984.8 |
| 12/10/2021 | 03:45:00 - 04:00:00 | 27 | 35 | 27 | 42 | 30 | 9.0 | 150.6 | 3.2 | 100.0 | 985.0 |
| 12/10/2021 | 04:00:00 - 04:15:00 | 27 | 35 | 27 | 42 | 30 | 5.9 | 140.7 | 3.1 | 100.0 | 984.9 |
| 12/10/2021 | 04:15:00 - 04:30:00 | 27 | 35 | 27 | 42 | 30 | 4.9 | 141.9 | 3.0 | 100.0 | 984.8 |
| 12/10/2021 | 04:30:00 - 04:45:00 | 27 | 35 | 27 | 42 | 30 | 6.1 | 146.2 | 2.9 | 100.0 | 984.9 |
| 12/10/2021 | 04:45:00 - 05:00:00 | 27 | 35 | 27 | 42 | 30 | 5.0 | 135.7 | 2.6 | 100.0 | 984.9 |
| 12/10/2021 | 05:00:00 - 05:15:00 | 27 | 35 | 26 | 42 | 30 | 4.5 | 87.8 | 2.6 | 100.0 | 984.9 |
| 12/10/2021 | 05:15:00 - 05:30:00 | 27 | 35 | 26 | 41 | 30 | 3.8 | 100.6 | 2.5 | 100.0 | 985.1 |
| 12/10/2021 | 05:30:00 - 05:45:00 | 27 | 35 | 26 | 41 | 30 | 2.9 | 95.3 | 2.4 | 100.0 | 985.0 |
| 12/10/2021 | 05:45:00 - 06:00:00 | 27 | 35 | 26 | 41 | 30 | 6.6 | 155.6 | 2.3 | 100.0 | 984.8 |
| 12/10/2021 | 06:00:00 - 06:15:00 | 27 | 35 | 26 | 41 | 30 | 6.6 | 149.1 | 2.3 | 100.0 | 984.8 |
| 12/10/2021 | 06:15:00 - 06:30:00 | 27 | 35 | 26 | 41 | 30 | 3.6 | 140.8 | 2.6 | 100.0 | 984.9 |
| 12/10/2021 | 06:30:00 - 06:45:00 | 27 | 35 | 26 | 41 | 30 | 2.1 | 58.3 | 2.9 | 100.0 | 984.9 |
| 12/10/2021 | 06:45:00 - 07:00:00 | 26 | 35 | 26 | 41 | 30 | 4.4 | 141.5 | 3.0 | 100.0 | 985.0 |
| 12/10/2021 | 07:00:00 - 07:15:00 | 26 | 35 | 26 | 41 | 30 | 6.4 | 148.3 | 3.2 | 100.0 | 984.8 |
| 12/10/2021 | 07:15:00 - 07:30:00 | 26 | 34 | 25 | 41 | 30 | 7.1 | 145.5 | 3.4 | 100.0 | 984.6 |
| 12/10/2021 | 07:30:00 - 07:45:00 | 26 | 34 | 25 | 41 | 30 | 6.8 | 137.5 | 3.9 | 100.0 | 984.7 |
| 12/10/2021 | 07:45:00 - 08:00:00 | 26 | 34 | 25 | 40 | 30 | 8.7 | 155.8 | 4.4 | 100.0 | 984.8 |
| 12/10/2021 | 08:00:00 - 08:15:00 | 26 | 32 | 23 | 40 | 30 | 6.2 | 129.9 | 4.6 | 100.0 | 984.6 |
| 12/10/2021 | 08:15:00 - 08:30:00 | 21 | 30 | 19 | 40 | 29 | 5.4 | 128.3 | 4.6 | 100.0 | 984.7 |
| 12/10/2021 | 08:30:00 - 08:45:00 | 21 | 29 | 20 | 38 | 31 | 5.4 | 134.3 | 4.9 | 100.0 | 984.6 |
| 12/10/2021 | 08:45:00 - 09:00:00 | 20 | 29 | 20 | 33 | 28 | 7.1 | 123.3 | 5.0 | 100.0 | 984.5 |
| 12/10/2021 | 09:00:00 - 09:15:00 | 20 | 29 | 20 | 34 | 29 | 4.9 | 86.4 | 5.4 | 100.0 | 984.6 |
| 12/10/2021 | 09:15:00 - 09:30:00 | 21 | 29 | 20 | 35 | 30 | 4.1 | 88.7 | 5.7 | 100.0 | 984.6 |
| 12/10/2021 | 09:30:00 - 09:45:00 | 23 | 30 | 22 | 38 | 32 | 5.3 | 99.5 | 5.9 | 100.0 | 984.5 |
| 12/10/2021 | 09:45:00 - 10:00:00 | 23 | 31 | 22 | 38 | 32 | 7.1 | 118.3 | 6.2 | 100.0 | 984.3 |
| 12/10/2021 | 10:00:00 - 10:15:00 | 23 | 31 | 23 | 39 | 33 | 6.2 | 102.3 | 6.5 | 100.0 | 984.2 |
| 12/10/2021 | 10:15:00 - 10:30:00 | 24 | 32 | 23 | 40 | 33 | 7.5 | 101.9 | 6.8 | 100.0 | 984.0 |
| 12/10/2021 | 10:30:00 - 10:45:00 | 24 | 32 | 24 | 41 | 34 | 8.4 | 105.8 | 7.1 | 100.0 | 983.8 |
| 12/10/2021 | 10:45:00 - 11:00:00 | 25 | 33 | 25 | 42 | 35 | 7.0 | 110.3 | 7.4 | 100.0 | 983.5 |
| 12/10/2021 | 11:00:00 - 11:15:00 | 26 | 34 | 26 | 44 | 36 | 7.9 | 106.2 | 7.5 | 100.0 | 983.3 |
| 12/10/2021 | 11:15:00 - 11:30:00 | 27 | 35 | 27 | 45 | 37 | 6.1 | 124.1 | 7.8 | 100.0 | 983.0 |
| 12/10/2021 | 11:30:00 - 11:45:00 | 28 | 36 | 28 | 46 | 38 | 7.0 | 120.0 | 8.3 | 100.0 | 982.5 |
| 12/10/2021 | 11:45:00 - 12:00:00 | 29 | 37 | 29 | 47 | 39 | 7.8 | 137.2 | 8.7 | 100.0 | 982.3 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 12/10/2021 | 12:00:00 - 12:15:00 | 30 | 38 | 30 | 49 | 41 | 6.9 | 128.1 | 9.1 | 100.0 | 981.8 |
| 12/10/2021 | 12:15:00 - 12:30:00 | 31 | 40 | 31 | 51 | 42 | 8.3 | 115.4 | 9.5 | 100.0 | 981.1 |
| 12/10/2021 | 12:30:00 - 12:45:00 | 32 | 41 | 32 | 53 | 43 | 9.6 | 106.6 | 9.8 | 100.0 | 980.6 |
| 12/10/2021 | 12:45:00 - 13:00:00 | 33 | 42 | 33 | 54 | 45 | 9.6 | 111.7 | 10.1 | 100.0 | 980.1 |
| 12/10/2021 | 13:00:00 - 13:15:00 | 35 | 44 | 34 | 81 | 47 | 10.8 | 116.8 | 10.6 | 100.0 | 979.8 |
| 12/10/2021 | 13:15:00 - 13:30:00 | 36 | 46 | 35 | 100 | 49 | 10.0 | 136.5 | 10.9 | 100.0 | 979.9 |
| 12/10/2021 | 13:30:00 - 13:45:00 | 38 | 47 | 35 | 96 | 50 | 10.5 | 137.8 | 11.2 | 100.0 | 979.8 |
| 12/10/2021 | 13:45:00 - 14:00:00 | 38 | 48 | 35 | 88 | 51 | 13.7 | 138.8 | 11.3 | 100.0 | 979.2 |
| 12/10/2021 | 14:00:00 - 14:15:00 | 38 | 48 | 35 | 79 | 50 | 12.8 | 138.1 | 11.4 | 100.0 | 978.5 |
| 12/10/2021 | 14:15:00 - 14:30:00 | 38 | 47 | 35 | 74 | 50 | 12.5 | 142.5 | 11.4 | 100.0 | 978.0 |
| 12/10/2021 | 14:30:00 - 14:45:00 | 37 | 47 | 35 | 70 | 49 | 12.3 | 155.6 | 11.6 | 100.0 | 978.1 |
| 12/10/2021 | 14:45:00 - 15:00:00 | 37 | 47 | 35 | 66 | 49 | 10.9 | 147.4 | 11.6 | 100.0 | 978.3 |
| 12/10/2021 | 15:00:00 - 15:15:00 | 37 | 46 | 35 | 64 | 48 | 9.5 | 152.0 | 11.9 | 100.0 | 978.1 |
| 12/10/2021 | 15:15:00 - 15:30:00 | 37 | 46 | 35 | 63 | 48 | 10.6 | 148.4 | 12.2 | 100.0 | 978.0 |
| 12/10/2021 | 15:30:00 - 15:45:00 | 37 | 46 | 35 | 62 | 48 | 8.5 | 148.6 | 12.6 | 100.0 | 977.3 |
| 12/10/2021 | 15:45:00 - 16:00:00 | 37 | 46 | 35 | 61 | 48 | 13.3 | 159.6 | 13.1 | 100.0 | 977.2 |
| 12/10/2021 | 16:00:00 - 16:15:00 | 37 | 46 | 35 | 60 | 48 | 13.2 | 157.9 | 13.5 | 100.0 | 977.5 |
| 12/10/2021 | 16:15:00 - 16:30:00 | 37 | 46 | 35 | 59 | 47 | 13.1 | 160.3 | 13.6 | 100.0 | 977.5 |
| 12/10/2021 | 16:30:00 - 16:45:00 | 36 | 46 | 35 | 59 | 47 | 16.1 | 159.2 | 13.6 | 100.0 | 977.2 |
| 12/10/2021 | 16:45:00 - 17:00:00 | 37 | 46 | 34 | 58 | 47 | 13.5 | 161.4 | 13.6 | 100.0 | 976.6 |
| 12/10/2021 | 17:00:00 - 17:15:00 | 37 | 46 | 34 | 58 | 47 | 14.2 | 161.7 | 13.7 | 100.0 | 976.8 |
| 12/10/2021 | 17:15:00 - 17:30:00 | 37 | 46 | 35 | 58 | 47 | 13.6 | 159.4 | 13.7 | 100.0 | 976.7 |
| 12/10/2021 | 17:30:00 - 17:45:00 | 37 | 46 | 35 | 59 | 47 | 14.4 | 159.8 | 13.7 | 100.0 | 976.4 |
| 12/10/2021 | 17:45:00 - 18:00:00 | 37 | 46 | 35 | 60 | 48 | 13.2 | 162.8 | 13.8 | 100.0 | 976.3 |
| 12/10/2021 | 18:00:00 - 18:15:00 | 38 | 47 | 35 | 61 | 48 | 14.9 | 160.6 | 14.0 | 100.0 | 976.6 |
| 12/10/2021 | 18:15:00 - 18:30:00 | 38 | 47 | 36 | 62 | 49 | 10.9 | 160.4 | 14.1 | 100.0 | 976.6 |
| 12/10/2021 | 18:30:00 - 18:45:00 | 39 | 48 | 36 | 63 | 50 | 13.2 | 162.5 | 14.3 | 100.0 | 976.4 |
| 12/10/2021 | 18:45:00 - 19:00:00 | 39 | 49 | 36 | 64 | 50 | 11.5 | 163.5 | 14.4 | 100.0 | 976.1 |
| 12/10/2021 | 19:00:00 - 19:15:00 | 40 | 49 | 36 | 65 | 51 | 9.5 | 162.1 | 14.4 | 100.0 | 975.7 |
| 12/10/2021 | 19:15:00 - 19:30:00 | 40 | 49 | 36 | 65 | 51 | 15.0 | 150.0 | 14.6 | 100.0 | 973.8 |
| 12/10/2021 | 19:30:00 - 19:45:00 | 40 | 50 | 36 | 66 | 51 | 18.8 | 144.1 | 14.7 | 100.0 | 972.0 |
| 12/10/2021 | 19:45:00 - 20:00:00 | 41 | 50 | 36 | 67 | 52 | 16.3 | 148.2 | 14.8 | 100.0 | 971.1 |
| 12/10/2021 | 20:00:00 - 20:15:00 | 41 | 50 | 37 | 67 | 52 | 17.3 | 156.5 | 15.2 | 100.0 | 971.0 |
| 12/10/2021 | 20:15:00 - 20:30:00 | 41 | 51 | 37 | 68 | 53 | 18.1 | 156.5 | 15.3 | 100.0 | 970.6 |
| 12/10/2021 | 20:30:00 - 20:45:00 | 42 | 51 | 37 | 69 | 53 | 16.5 | 152.3 | 15.4 | 100.0 | 970.1 |
| 12/10/2021 | 20:45:00 - 21:00:00 | 42 | 51 | 38 | 69 | 53 | 19.4 | 160.3 | 15.5 | 100.0 | 970.5 |
| 12/10/2021 | 21:00:00 - 21:15:00 | 42 | 51 | 38 | 69 | 53 | 18.7 | 163.4 | 15.6 | 100.0 | 970.3 |
| 12/10/2021 | 21:15:00 - 21:30:00 | 42 | 51 | 38 | 69 | 53 | 21.2 | 162.5 | 15.9 | 100.0 | 969.7 |
| 12/10/2021 | 21:30:00 - 21:45:00 | 42 | 51 | 38 | 69 | 53 | 24.0 | 164.4 | 16.1 | 100.0 | 969.5 |
| 12/10/2021 | 21:45:00 - 22:00:00 | 42 | 51 | 38 | 69 | 53 | 20.3 | 160.6 | 16.2 | 100.0 | 969.4 |
| 12/10/2021 | 22:00:00 - 22:15:00 | 42 | 51 | 38 | 68 | 53 | 20.5 | 161.7 | 16.3 | 100.0 | 969.6 |
| 12/10/2021 | 22:15:00 - 22:30:00 | 42 | 50 | 37 | 67 | 52 | 23.2 | 153.0 | 16.6 | 100.0 | 969.6 |
| 12/10/2021 | 22:30:00 - 22:45:00 | 41 | 50 | 36 | 65 | 51 | 24.7 | 124.4 | 15.1 | 100.0 | 970.2 |
| 12/10/2021 | 22:45:00 - 23:00:00 | 40 | 49 | 36 | 64 | 51 | 21.4 | 152.2 | 14.3 | 100.0 | 969.2 |
| 12/10/2021 | 23:00:00 - 23:15:00 | 40 | 48 | 35 | 63 | 50 | 17.1 | 146.3 | 13.2 | 100.0 | 968.7 |
| 12/10/2021 | 23:15:00 - 23:30:00 | 39 | 48 | 35 | 62 | 49 | 13.3 | 144.9 | 13.6 | 100.0 | 968.4 |
| 12/10/2021 | 23:30:00 - 23:45:00 | 39 | 47 | 35 | 61 | 49 | 18.7 | 152.9 | 14.5 | 100.0 | 968.4 |
| 12/11/2021 | 23:45:00 - 00:00:00 | 39 | 47 | 34 | 60 | 48 | 18.2 | 150.8 | 15.5 | 100.0 | 968.0 |
| 12/11/2021 | 00:00:00 - 00:15:00 | 38 | 46 | 34 | 59 | 48 | 19.5 | 151.4 | 15.9 | 100.0 | 967.9 |
| 12/11/2021 | 00:15:00 - 00:30:00 | 38 | 46 | 34 | 58 | 47 | 22.1 | 134.9 | 16.4 | 95.9 | 968.1 |
| 12/11/2021 | 00:30:00 - 00:45:00 | 37 | 45 | 33 | 57 | 47 | 20.3 | 127.2 | 16.5 | 92.8 | 968.4 |
| 12/11/2021 | 00:45:00 - 01:00:00 | 37 | 45 | 33 | 56 | 46 | 13.3 | 127.9 | 16.4 | 88.3 | 968.6 |
| 12/11/2021 | 01:00:00 - 01:15:00 | 37 | 44 | 32 | 55 | 46 | 10.9 | 123.5 | 16.1 | 85.2 | 968.5 |
| 12/11/2021 | 01:15:00 - 01:30:00 | 36 | 44 | 32 | 55 | 45 | 11.7 | 140.9 | 15.7 | 86.6 | 968.1 |
| 12/11/2021 | 01:30:00 - 01:45:00 | 36 | 44 | 32 | 54 | 45 | 13.5 | 144.5 | 15.7 | 86.7 | 967.9 |
| 12/11/2021 | 01:45:00 - 02:00:00 | 36 | 43 | 31 | 53 | 44 | 15.7 | 152.3 | 15.8 | 84.8 | 967.7 |
| 12/11/2021 | 02:00:00 - 02:15:00 | 35 | 43 | 31 | 52 | 44 | 10.5 | 130.3 | 15.7 | 85.1 | 967.7 |
| 12/11/2021 | 02:15:00 - 02:30:00 | 35 | 42 | 31 | 52 | 43 | 12.9 | 147.9 | 15.2 | 87.5 | 967.7 |
| 12/11/2021 | 02:30:00 - 02:45:00 | 35 | 42 | 31 | 51 | 43 | 17.2 | 159.2 | 15.0 | 89.8 | 967.8 |
| 12/11/2021 | 02:45:00 - 03:00:00 | 34 | 42 | 30 | 51 | 43 | 14.9 | 156.1 | 14.9 | 91.1 | 967.8 |
| 12/11/2021 | 03:00:00 - 03:15:00 | 34 | 42 | 30 | 51 | 42 | 13.2 | 152.0 | 14.8 | 91.5 | 967.8 |
| 12/11/2021 | 03:15:00 - 03:30:00 | 34 | 41 | 30 | 50 | 42 | 12.6 | 134.7 | 15.2 | 89.5 | 967.7 |
| 12/11/2021 | 03:30:00 - 03:45:00 | 34 | 41 | 30 | 50 | 42 | 13.5 | 114.2 | 15.4 | 87.9 | 967.7 |
| 12/11/2021 | 03:45:00 - 04:00:00 | 34 | 41 | 30 | 49 | 42 | 16.3 | 115.5 | 15.3 | 88.0 | 967.7 |
| 12/11/2021 | 04:00:00 - 04:15:00 | 34 | 41 | 30 | 49 | 41 | 14.3 | 113.4 | 14.9 | 88.7 | 967.7 |
| 12/11/2021 | 04:15:00 - 04:30:00 | 34 | 41 | 30 | 49 | 41 | 20.6 | 114.1 | 14.6 | 87.9 | 967.9 |
| 12/11/2021 | 04:30:00 - 04:45:00 | 34 | 41 | 30 | 49 | 41 | 24.5 | 86.1 | 12.0 | 87.2 | 969.1 |
| 12/11/2021 | 04:45:00 - 05:00:00 | 34 | 41 | 30 | 49 | 42 | 23.8 | 87.9 | 9.5 | 84.7 | 969.9 |
| 12/11/2021 | 05:00:00 - 05:15:00 | 34 | 41 | 30 | 50 | 42 | 22.0 | 100.0 | 8.6 | 85.8 | 970.3 |
| 12/11/2021 | 05:15:00 - 05:30:00 | 34 | 41 | 30 | 50 | 42 | 20.4 | 97.2 | 8.2 | 85.3 | 970.9 |
| 12/11/2021 | 05:30:00 - 05:45:00 | 34 | 41 | 30 | 50 | 42 | 23.0 | 97.2 | 7.8 | 85.7 | 971.3 |
| 12/11/2021 | 05:45:00 - 06:00:00 | 34 | 41 | 30 | 50 | 42 | 26.9 | 98.6 | 7.0 | 84.7 | 971.8 |
| 12/11/2021 | 06:00:00 - 06:15:00 | 34 | 41 | 30 | 49 | 42 | 29.6 | 96.7 | 6.2 | 84.9 | 972.4 |
| 12/11/2021 | 06:15:00 - 06:30:00 | 34 | 41 | 30 | 49 | 41 | 27.0 | 100.4 | 5.2 | 84.8 | 973.0 |
| 12/11/2021 | 06:30:00 - 06:45:00 | 33 | 41 | 30 | 49 | 41 | 25.2 | 100.8 | 4.2 | 85.3 | 973.8 |
| 12/11/2021 | 06:45:00 - 07:00:00 | 33 | 40 | 30 | 48 | 41 | 27.2 | 92.0 | 3.8 | 84.7 | 974.3 |
| 12/11/2021 | 07:00:00 - 07:15:00 | 33 | 40 | 29 | 48 | 40 | 24.2 | 92.8 | 3.3 | 84.1 | 974.7 |
| 12/11/2021 | 07:15:00 - 07:30:00 | 33 | 40 | 29 | 47 | 40 | 23.7 | 99.3 | 3.2 | 82.7 | 975.2 |
| 12/11/2021 | 07:30:00 - 07:45:00 | 32 | 39 | 29 | 47 | 40 | 28.1 | 93.6 | 2.8 | 81.6 | 975.8 |
| 12/11/2021 | 07:45:00 - 08:00:00 | 32 | 39 | 29 | 46 | 39 | 21.5 | 97.1 | 2.5 | 78.4 | 976.3 |
| 12/11/2021 | 08:00:00 - 08:15:00 | 32 | 39 | 29 | 46 | 39 | 23.3 | 102.5 | 2.5 | 77.1 | 976.5 |
| 12/11/2021 | 08:15:00 - 08:30:00 | 32 | 39 | 28 | 46 | 39 | 22.7 | 97.4 | 2.4 | 77.5 | 976.8 |
| 12/11/2021 | 08:30:00 - 08:45:00 | 31 | 38 | 28 | 45 | 38 | 22.2 | 94.4 | 2.3 | 78.2 | 977.3 |
| 12/11/2021 | 08:45:00 - 09:00:00 | 31 | 38 | 28 | 45 | 38 | 22.4 | 92.4 | 2.2 | 78.3 | 977.9 |
| 12/11/2021 | 09:00:00 - 09:15:00 | 31 | 38 | 28 | 44 | 38 | 22.2 | 96.8 | 2.2 | 77.4 | 978.4 |
| 12/11/2021 | 09:15:00 - 09:30:00 | 30 | 38 | 28 | 44 | 38 | 23.8 | 85.5 | 2.0 | 76.7 | 978.9 |
| 12/11/2021 | 09:30:00 - 09:45:00 | 30 | 37 | 27 | 44 | 37 | 22.8 | 93.1 | 1.9 | 77.1 | 979.5 |
| 12/11/2021 | 09:45:00 - 10:00:00 | 30 | 37 | 27 | 43 | 37 | 28.3 | 77.7 | 1.7 | 78.3 | 980.1 |
| 12/11/2021 | 10:00:00 - 10:15:00 | 30 | 37 | 27 | 43 | 37 | 21.8 | 89.5 | 1.7 | 80.0 | 980.7 |
| 12/11/2021 | 10:15:00 - 10:30:00 | 29 | 30 | 27 | 42 | 36 | 22.0 | 91.4 | 1.7 | 80.0 | 981.1 |
| 12/11/2021 | 10:30:00 - 10:45:00 | 29 | 12 | 27 | 42 | 36 | 21.9 | 87.6 | 1.7 | 79.3 | 981.6 |
| 12/11/2021 | 10:45:00 - 11:00:00 | 29 | 10 | 26 | 42 | 36 | 25.4 | 83.2 | 1.7 | 78.2 | 981.9 |
| 12/11/2021 | 11:00:00 - 11:15:00 | 9 | 9 | 7 | 41 | 36 | 25.0 | 76.5 | 1.7 | 77.6 | 982.3 |
| 12/11/2021 | 11:15:00 - 11:30:00 | 2 | 9 | 6 | 28 | 9 | 21.6 | 77.4 | 1.7 | 78.0 | 982.6 |
| 12/11/2021 | 11:30:00 - 11:45:00 | 2 | 9 | 6 | 9 | 6 | 21.8 | 76.1 | 1.8 | 78.2 | 982.9 |
| 12/11/2021 | 11:45:00 - 12:00:00 | 2 | 9 | 6 | 8 | 6 | 20.7 | 81.7 | 1.9 | 78.4 | 983.3 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 12/11/2021 | 12:00:00 - 12:15:00 | 2 | 9 | 6 | 9 | 6 | 23.7 | 80.8 | 1.8 | 77.9 | 983.6 |
| 12/11/2021 | 12:15:00 - 12:30:00 | 2 | 9 | 6 | 9 | 6 | 20.0 | 80.2 | 2.1 | 76.9 | 983.9 |
| 12/11/2021 | 12:30:00 - 12:45:00 | 3 | 9 | 6 | 9 | 6 | 26.0 | 79.9 | 2.2 | 75.6 | 984.3 |
| 12/11/2021 | 12:45:00 - 13:00:00 | 3 | 9 | 6 | 9 | 6 | 20.5 | 76.3 | 2.5 | 75.5 | 984.7 |
| 12/11/2021 | 13:00:00 - 13:15:00 | 3 | 9 | 6 | 9 | 6 | 21.3 | 74.6 | 3.0 | 72.7 | 985.0 |
| 12/11/2021 | 13:15:00 - 13:30:00 | 3 | 9 | 6 | 9 | 6 | 23.2 | 69.1 | 3.3 | 70.3 | 985.4 |
| 12/11/2021 | 13:30:00 - 13:45:00 | 3 | 9 | 6 | 9 | 6 | 21.6 | 66.5 | 3.7 | 69.5 | 985.8 |
| 12/11/2021 | 13:45:00 - 14:00:00 | 3 | 8 | 6 | 9 | 6 | 21.2 | 68.7 | 3.9 | 68.1 | 986.0 |
| 12/11/2021 | 14:00:00 - 14:15:00 | 3 | 8 | 6 | 9 | 6 | 21.7 | 69.8 | 4.3 | 66.0 | 986.3 |
| 12/11/2021 | 14:15:00 - 14:30:00 | 3 | 8 | 6 | 9 | 6 | 20.5 | 58.8 | 4.4 | 64.2 | 986.6 |
| 12/11/2021 | 14:30:00 - 14:45:00 | 3 | 8 | 6 | 9 | 6 | 20.0 | 72.4 | 4.6 | 61.7 | 986.8 |
| 12/11/2021 | 14:45:00 - 15:00:00 | 3 | 8 | 6 | 8 | 6 | 19.7 | 73.4 | 4.6 | 59.6 | 987.1 |
| 12/11/2021 | 15:00:00 - 15:15:00 | 3 | 8 | 6 | 8 | 6 | 17.4 | 72.8 | 4.7 | 58.9 | 987.4 |
| 12/11/2021 | 15:15:00 - 15:30:00 | 3 | 8 | 6 | 8 | 6 | 18.0 | 86.4 | 4.7 | 60.4 | 988.0 |
| 12/11/2021 | 15:30:00 - 15:45:00 | 3 | 8 | 6 | 8 | 6 | 14.2 | 87.7 | 4.7 | 60.6 | 988.4 |
| 12/11/2021 | 15:45:00 - 16:00:00 | 3 | 8 | 6 | 8 | 6 | 13.8 | 80.0 | 4.7 | 61.6 | 988.7 |
| 12/11/2021 | 16:00:00 - 16:15:00 | 3 | 8 | 6 | 8 | 6 | 14.7 | 87.4 | 4.6 | 61.5 | 989.0 |
| 12/11/2021 | 16:15:00 - 16:30:00 | 3 | 8 | 6 | 8 | 6 | 12.9 | 84.2 | 4.6 | 61.3 | 989.3 |
| 12/11/2021 | 16:30:00 - 16:45:00 | 3 | 8 | 6 | 8 | 6 | 11.4 | 86.4 | 4.3 | 61.4 | 989.6 |
| 12/11/2021 | 16:45:00 - 17:00:00 | 3 | 8 | 6 | 8 | 6 | 10.1 | 92.3 | 3.9 | 62.1 | 989.9 |
| 12/11/2021 | 17:00:00 - 17:15:00 | 3 | 8 | 6 | 8 | 6 | 8.4 | 100.5 | 3.7 | 63.3 | 990.2 |
| 12/11/2021 | 17:15:00 - 17:30:00 | 3 | 8 | 6 | 9 | 6 | 6.4 | 96.5 | 3.4 | 66.8 | 990.4 |
| 12/11/2021 | 17:30:00 - 17:45:00 | 3 | 8 | 6 | 9 | 6 | 7.0 | 102.0 | 3.3 | 67.0 | 990.6 |
| 12/11/2021 | 17:45:00 - 18:00:00 | 3 | 8 | 6 | 9 | 6 | 7.0 | 106.4 | 3.1 | 67.8 | 990.9 |
| 12/11/2021 | 18:00:00 - 18:15:00 | 3 | 8 | 6 | 9 | 6 | 6.9 | 122.9 | 2.9 | 68.2 | 991.2 |
| 12/11/2021 | 18:15:00 - 18:30:00 | 3 | 8 | 6 | 9 | 6 | 5.3 | 117.7 | 2.6 | 69.0 | 991.4 |
| 12/11/2021 | 18:30:00 - 18:45:00 | 3 | 8 | 6 | 9 | 6 | 6.7 | 123.7 | 2.5 | 70.4 | 991.7 |
| 12/11/2021 | 18:45:00 - 19:00:00 | 3 | 8 | 6 | 9 | 6 | 6.5 | 133.0 | 2.3 | 70.5 | 992.0 |
| 12/11/2021 | 19:00:00 - 19:15:00 | 3 | 8 | 6 | 9 | 6 | 6.2 | 137.0 | 2.3 | 70.5 | 992.3 |
| 12/11/2021 | 19:15:00 - 19:30:00 | 3 | 8 | 6 | 9 | 6 | 5.5 | 141.6 | 2.1 | 72.1 | 992.5 |
| 12/11/2021 | 19:30:00 - 19:45:00 | 3 | 8 | 6 | 9 | 6 | 5.0 | 144.2 | 1.8 | 73.8 | 992.6 |
| 12/11/2021 | 19:45:00 - 20:00:00 | 3 | 9 | 6 | 9 | 6 | 5.5 | 150.2 | 1.7 | 75.1 | 992.6 |
| 12/11/2021 | 20:00:00 - 20:15:00 | 3 | 9 | 6 | 9 | 6 | 6.0 | 150.8 | 1.7 | 75.4 | 992.8 |
| 12/11/2021 | 20:15:00 - 20:30:00 | 3 | 9 | 7 | 10 | 7 | 6.3 | 147.4 | 1.7 | 75.9 | 992.9 |
| 12/11/2021 | 20:30:00 - 20:45:00 | 3 | 9 | 7 | 10 | 7 | 6.5 | 143.8 | 1.8 | 75.1 | 993.0 |
| 12/11/2021 | 20:45:00 - 21:00:00 | 3 | 9 | 7 | 10 | 7 | 6.6 | 146.8 | 1.6 | 76.2 | 993.0 |
| 12/11/2021 | 21:00:00 - 21:15:00 | 3 | 9 | 7 | 10 | 7 | 6.6 | 144.5 | 1.5 | 77.6 | 993.2 |
| 12/11/2021 | 21:15:00 - 21:30:00 | 3 | 9 | 7 | 10 | 7 | 7.3 | 151.6 | 1.5 | 78.3 | 993.3 |
| 12/11/2021 | 21:30:00 - 21:45:00 | 3 | 9 | 7 | 10 | 7 | 7.6 | 139.4 | 1.4 | 79.3 | 993.4 |
| 12/11/2021 | 21:45:00 - 22:00:00 | 3 | 9 | 7 | 10 | 7 | 7.4 | 140.7 | 1.2 | 80.4 | 993.4 |
| 12/11/2021 | 22:00:00 - 22:15:00 | 3 | 9 | 7 | 10 | 7 | 7.7 | 131.3 | 1.0 | 81.8 | 993.6 |
| 12/11/2021 | 22:15:00 - 22:30:00 | 3 | 9 | 7 | 10 | 7 | 5.6 | 134.7 | 0.8 | 83.0 | 993.7 |
| 12/11/2021 | 22:30:00 - 22:45:00 | 3 | 9 | 7 | 10 | 7 | 6.2 | 135.9 | 0.9 | 82.9 | 993.7 |
| 12/11/2021 | 22:45:00 - 23:00:00 | 3 | 9 | 7 | 10 | 7 | 5.5 | 139.6 | 0.8 | 83.0 | 993.8 |
| 12/11/2021 | 23:00:00 - 23:15:00 | 3 | 9 | 7 | 10 | 7 | 5.3 | 134.5 | 0.6 | 83.7 | 993.9 |
| 12/11/2021 | 23:15:00 - 23:30:00 | 3 | 9 | 7 | 10 | 7 | 5.8 | 136.1 | 0.6 | 84.0 | 994.0 |
| 12/11/2021 | 23:30:00 - 23:45:00 | 4 | 9 | 7 | 10 | 7 | 6.0 | 130.3 | 0.6 | 84.0 | 994.1 |
| 12/12/2021 | 23:45:00 - 00:00:00 | 4 | 9 | 7 | 11 | 7 | 5.3 | 128.7 | 0.5 | 84.0 | 994.1 |
| 12/12/2021 | 00:00:00 - 00:15:00 | 4 | 10 | 7 | 11 | 7 | 4.7 | 130.0 | 0.6 | 83.0 | 994.1 |
| 12/12/2021 | 00:15:00 - 00:30:00 | 4 | 10 | 7 | 11 | 7 | 6.8 | 126.5 | 0.6 | 83.0 | 994.2 |
| 12/12/2021 | 00:30:00 - 00:45:00 | 4 | 10 | 7 | 11 | 8 | 6.6 | 122.3 | 0.6 | 83.0 | 994.3 |
| 12/12/2021 | 00:45:00 - 01:00:00 | 4 | 10 | 7 | 11 | 8 | 5.6 | 132.8 | 0.4 | 83.3 | 994.4 |
| 12/12/2021 | 01:00:00 - 01:15:00 | 4 | 10 | 7 | 11 | 8 | 5.1 | 124.3 | 0.3 | 84.0 | 994.5 |
| 12/12/2021 | 01:15:00 - 01:30:00 | 4 | 10 | 7 | 11 | 8 | 5.0 | 121.7 | 0.2 | 84.0 | 994.5 |
| 12/12/2021 | 01:30:00 - 01:45:00 | 4 | 10 | 7 | 11 | 8 | 5.9 | 126.4 | 0.1 | 84.2 | 994.5 |
| 12/12/2021 | 01:45:00 - 02:00:00 | 4 | 10 | 7 | 11 | 8 | 6.2 | 128.3 | 0.1 | 84.0 | 994.7 |
| 12/12/2021 | 02:00:00 - 02:15:00 | 4 | 10 | 7 | 11 | 8 | 4.8 | 125.3 | 0.2 | 83.5 | 994.9 |
| 12/12/2021 | 02:15:00 - 02:30:00 | 4 | 10 | 8 | 11 | 8 | 5.2 | 127.0 | 0.2 | 83.3 | 994.8 |
| 12/12/2021 | 02:30:00 - 02:45:00 | 4 | 10 | 8 | 11 | 8 | 5.0 | 122.0 | 0.2 | 82.6 | 994.9 |
| 12/12/2021 | 02:45:00 - 03:00:00 | 4 | 10 | 8 | 11 | 8 | 5.6 | 128.8 | 0.3 | 81.5 | 995.0 |
| 12/12/2021 | 03:00:00 - 03:15:00 | 4 | 10 | 8 | 11 | 8 | 5.8 | 137.4 | 0.3 | 81.7 | 994.9 |
| 12/12/2021 | 03:15:00 - 03:30:00 | 4 | 10 | 8 | 11 | 8 | 5.8 | 139.1 | 0.3 | 81.6 | 994.7 |
| 12/12/2021 | 03:30:00 - 03:45:00 | 4 | 10 | 8 | 11 | 8 | 6.1 | 146.0 | 0.2 | 81.1 | 994.7 |
| 12/12/2021 | 03:45:00 - 04:00:00 | 4 | 10 | 8 | 11 | 8 | 6.6 | 145.0 | 0.3 | 80.4 | 994.8 |
| 12/12/2021 | 04:00:00 - 04:15:00 | 4 | 10 | 8 | 11 | 8 | 6.8 | 143.4 | 0.2 | 80.8 | 995.1 |
| 12/12/2021 | 04:15:00 - 04:30:00 | 4 | 10 | 8 | 11 | 8 | 6.9 | 137.1 | 0.1 | 81.0 | 995.3 |
| 12/12/2021 | 04:30:00 - 04:45:00 | 4 | 10 | 8 | 12 | 8 | 6.8 | 147.0 | 0.0 | 81.7 | 995.3 |
| 12/12/2021 | 04:45:00 - 05:00:00 | 4 | 10 | 8 | 12 | 8 | 7.2 | 149.3 | -0.1 | 82.3 | 995.2 |
| 12/12/2021 | 05:00:00 - 05:15:00 | 4 | 10 | 8 | 12 | 8 | 6.4 | 143.7 | -0.3 | 83.0 | 995.3 |
| 12/12/2021 | 05:15:00 - 05:30:00 | 4 | 11 | 8 | 12 | 8 | 6.4 | 145.7 | -0.4 | 83.6 | 995.2 |
| 12/12/2021 | 05:30:00 - 05:45:00 | 4 | 11 | 8 | 12 | 8 | 7.1 | 144.6 | -0.2 | 83.0 | 995.3 |
| 12/12/2021 | 05:45:00 - 06:00:00 | 4 | 11 | 8 | 12 | 8 | 6.3 | 147.7 | -0.3 | 82.7 | 995.3 |
| 12/12/2021 | 06:00:00 - 06:15:00 | 4 | 11 | 8 | 12 | 9 | 7.6 | 154.6 | -0.1 | 81.3 | 995.4 |
| 12/12/2021 | 06:15:00 - 06:30:00 | 4 | 11 | 8 | 12 | 9 | 8.6 | 159.3 | 0.0 | 80.4 | 995.4 |
| 12/12/2021 | 06:30:00 - 06:45:00 | 5 | 11 | 8 | 12 | 9 | 8.8 | 148.8 | 0.1 | 80.0 | 995.6 |
| 12/12/2021 | 06:45:00 - 07:00:00 | 5 | 11 | 8 | 12 | 9 | 8.8 | 151.6 | 0.0 | 79.5 | 995.6 |
| 12/12/2021 | 07:00:00 - 07:15:00 | 5 | 11 | 8 | 12 | 9 | 8.2 | 153.5 | 0.1 | 79.2 | 995.6 |
| 12/12/2021 | 07:15:00 - 07:30:00 | 5 | 11 | 8 | 12 | 9 | 8.7 | 152.5 | 0.0 | 79.0 | 995.8 |
| 12/12/2021 | 07:30:00 - 07:45:00 | 5 | 11 | 8 | 12 | 9 | 8.4 | 154.7 | 0.0 | 79.0 | 996.1 |
| 12/12/2021 | 07:45:00 - 08:00:00 | 5 | 11 | 8 | 12 | 9 | 8.6 | 153.4 | 0.1 | 78.5 | 996.2 |
| 12/12/2021 | 08:00:00 - 08:15:00 | 5 | 11 | 8 | 12 | 9 | 8.9 | 146.8 | 0.5 | 77.0 | 996.5 |
| 12/12/2021 | 08:15:00 - 08:30:00 | 5 | 11 | 9 | 12 | 9 | 10.3 | 144.6 | 0.8 | 75.5 | 996.7 |
| 12/12/2021 | 08:30:00 - 08:45:00 | 5 | 11 | 9 | 12 | 9 | 9.1 | 145.3 | 1.3 | 74.0 | 996.9 |
| 12/12/2021 | 08:45:00 - 09:00:00 | 5 | 11 | 9 | 12 | 9 | 11.0 | 149.0 | 1.7 | 72.2 | 997.0 |
| 12/12/2021 | 09:00:00 - 09:15:00 | 5 | 11 | 9 | 12 | 9 | 10.3 | 145.9 | 2.1 | 71.4 | 997.1 |
| 12/12/2021 | 09:15:00 - 09:30:00 | 5 | 11 | 9 | 12 | 9 | 10.9 | 146.6 | 2.5 | 69.9 | 997.2 |
| 12/12/2021 | 09:30:00 - 09:45:00 | 5 | 11 | 9 | 12 | 9 | 12.3 | 145.1 | 3.0 | 67.7 | 997.2 |
| 12/12/2021 | 09:45:00 - 10:00:00 | 5 | 11 | 9 | 12 | 9 | 9.2 | 148.7 | 3.5 | 67.1 | 997.4 |
| 12/12/2021 | 10:00:00 - 10:15:00 | 5 | 15 | 9 | 12 | 9 | 10.1 | 142.9 | 3.8 | 66.2 | 997.4 |
| 12/12/2021 | 10:15:00 - 10:30:00 | 6 | 12 | 9 | 12 | 9 | 11.0 | 149.4 | 4.1 | 66.2 | 997.4 |
| 12/12/2021 | 10:30:00 - 10:45:00 | 6 | 11 | 9 | 21 | 10 | 11.4 | 149.2 | 4.5 | 65.1 | 997.5 |
| 12/12/2021 | 10:45:00 - 11:00:00 | 6 | 11 | 9 | 15 | 9 | 11.4 | 151.4 | 5.1 | 63.4 | 997.3 |
| 12/12/2021 | 11:00:00 - 11:15:00 | 6 | 10 | 8 | 13 | 9 | 13.1 | 146.9 | 5.3 | 62.8 | 997.2 |
| 12/12/2021 | 11:15:00 - 11:30:00 | 6 | 10 | 8 | 12 | 8 | 14.1 | 154.9 | 5.6 | 62.6 | 997.1 |
| 12/12/2021 | 11:30:00 - 11:45:00 | 6 | 10 | 8 | 12 | 8 | 16.1 | 161.1 | 5.8 | 61.8 | 996.9 |
| 12/12/2021 | 11:45:00 - 12:00:00 | 6 | 10 | 7 | 12 | 8 | 13.6 | 145.9 | 6.4 | 60.9 | 996.9 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 12/12/2021 | 12:00:00 - 12:15:00 | 6 | 9 | 7 | 11 | 8 | 15.9 | 148.2 | 6.7 | 59.1 | 996.7 |
| 12/12/2021 | 12:15:00 - 12:30:00 | 5 | 9 | 7 | 11 | 8 | 15.7 | 151.6 | 7.0 | 59.3 | 996.6 |
| 12/12/2021 | 12:30:00 - 12:45:00 | 5 | 9 | 7 | 11 | 8 | 14.7 | 141.0 | 7.5 | 56.9 | 996.5 |
| 12/12/2021 | 12:45:00 - 13:00:00 | 5 | 9 | 6 | 11 | 8 | 11.2 | 135.1 | 7.9 | 57.2 | 996.4 |
| 12/12/2021 | 13:00:00 - 13:15:00 | 5 | 9 | 6 | 11 | 7 | 13.5 | 143.8 | 8.2 | 58.0 | 996.3 |
| 12/12/2021 | 13:15:00 - 13:30:00 | 5 | 8 | 6 | 11 | 7 | 15.3 | 158.7 | 8.3 | 55.4 | 996.0 |
| 12/12/2021 | 13:30:00 - 13:45:00 | 5 | 8 | 6 | 11 | 7 | 14.6 | 154.0 | 8.7 | 52.6 | 995.7 |
| 12/12/2021 | 13:45:00 - 14:00:00 | 5 | 8 | 6 | 10 | 7 | 14.0 | 140.8 | 9.1 | 49.7 | 995.6 |
| 12/12/2021 | 14:00:00 - 14:15:00 | 5 | 8 | 6 | 10 | 7 | 18.7 | 153.2 | 9.3 | 47.8 | 995.4 |
| 12/12/2021 | 14:15:00 - 14:30:00 | 5 | 8 | 6 | 10 | 7 | 16.5 | 153.7 | 9.2 | 46.5 | 995.2 |
| 12/12/2021 | 14:30:00 - 14:45:00 | 5 | 8 | 5 | 10 | 7 | 17.0 | 152.3 | 9.2 | 46.6 | 995.1 |
| 12/12/2021 | 14:45:00 - 15:00:00 | 5 | 7 | 5 | 10 | 7 | 21.1 | 164.0 | 9.1 | 46.4 | 995.0 |
| 12/12/2021 | 15:00:00 - 15:15:00 | 5 | 7 | 5 | 10 | 6 | 18.5 | 161.6 | 9.1 | 43.1 | 995.0 |
| 12/12/2021 | 15:15:00 - 15:30:00 | 5 | 7 | 5 | 10 | 6 | 18.3 | 160.9 | 9.0 | 44.7 | 995.0 |
| 12/12/2021 | 15:30:00 - 15:45:00 | 5 | 7 | 5 | 10 | 6 | 18.7 | 159.9 | 8.9 | 45.1 | 995.0 |
| 12/12/2021 | 15:45:00 - 16:00:00 | 5 | 7 | 5 | 10 | 6 | 16.8 | 166.3 | 8.7 | 50.8 | 995.0 |
| 12/12/2021 | 16:00:00 - 16:15:00 | 5 | 7 | 5 | 10 | 6 | 15.9 | 165.5 | 8.4 | 51.3 | 995.1 |
| 12/12/2021 | 16:15:00 - 16:30:00 | 4 | 7 | 5 | 10 | 6 | 18.0 | 164.9 | 8.2 | 50.8 | 995.1 |
| 12/12/2021 | 16:30:00 - 16:45:00 | 4 | 7 | 5 | 10 | 6 | 16.6 | 165.7 | 7.9 | 50.2 | 995.1 |
| 12/12/2021 | 16:45:00 - 17:00:00 | 4 | 7 | 5 | 10 | 6 | 14.7 | 164.5 | 7.5 | 55.5 | 995.0 |
| 12/12/2021 | 17:00:00 - 17:15:00 | 4 | 7 | 5 | 10 | 6 | 15.3 | 165.9 | 7.2 | 57.4 | 994.9 |
| 12/12/2021 | 17:15:00 - 17:30:00 | 4 | 7 | 5 | 10 | 6 | 13.4 | 166.5 | 6.8 | 55.8 | 995.0 |
| 12/12/2021 | 17:30:00 - 17:45:00 | 4 | 7 | 5 | 10 | 6 | 15.5 | 168.0 | 6.6 | 54.9 | 995.0 |
| 12/12/2021 | 17:45:00 - 18:00:00 | 4 | 7 | 5 | 10 | 6 | 16.6 | 168.8 | 6.5 | 54.6 | 995.0 |
| 12/12/2021 | 18:00:00 - 18:15:00 | 4 | 7 | 5 | 10 | 6 | 17.6 | 167.1 | 5.8 | 60.0 | 995.1 |
| 12/12/2021 | 18:15:00 - 18:30:00 | 4 | 7 | 6 | 10 | 6 | 17.6 | 166.7 | 5.1 | 65.5 | 995.1 |
| 12/12/2021 | 18:30:00 - 18:45:00 | 4 | 7 | 6 | 10 | 6 | 17.1 | 167.4 | 4.7 | 66.9 | 995.2 |
| 12/12/2021 | 18:45:00 - 19:00:00 | 4 | 7 | 6 | 10 | 6 | 15.6 | 165.8 | 4.2 | 69.1 | 995.2 |
| 12/12/2021 | 19:00:00 - 19:15:00 | 4 | 7 | 6 | 10 | 6 | 16.8 | 169.8 | 3.9 | 70.0 | 995.1 |
| 12/12/2021 | 19:15:00 - 19:30:00 | 4 | 8 | 6 | 10 | 6 | 15.7 | 165.7 | 3.9 | 69.7 | 995.3 |
| 12/12/2021 | 19:30:00 - 19:45:00 | 4 | 8 | 6 | 10 | 6 | 15.8 | 167.6 | 4.1 | 67.6 | 995.3 |
| 12/12/2021 | 19:45:00 - 20:00:00 | 4 | 8 | 6 | 10 | 7 | 17.1 | 168.5 | 4.4 | 65.6 | 995.4 |
| 12/12/2021 | 20:00:00 - 20:15:00 | 4 | 8 | 6 | 10 | 7 | 18.8 | 168.0 | 4.8 | 63.7 | 995.5 |
| 12/12/2021 | 20:15:00 - 20:30:00 | 4 | 8 | 6 | 10 | 7 | 18.3 | 167.8 | 5.0 | 62.2 | 995.5 |
| 12/12/2021 | 20:30:00 - 20:45:00 | 4 | 8 | 6 | 10 | 7 | 19.1 | 168.2 | 4.9 | 62.1 | 995.4 |
| 12/12/2021 | 20:45:00 - 21:00:00 | 4 | 8 | 6 | 10 | 7 | 16.4 | 168.1 | 4.6 | 63.5 | 995.3 |
| 12/12/2021 | 21:00:00 - 21:15:00 | 4 | 8 | 6 | 10 | 7 | 17.1 | 168.9 | 4.4 | 64.1 | 995.2 |
| 12/12/2021 | 21:15:00 - 21:30:00 | 4 | 8 | 6 | 10 | 7 | 15.6 | 164.3 | 4.3 | 64.5 | 995.2 |
| 12/12/2021 | 21:30:00 - 21:45:00 | 4 | 8 | 6 | 10 | 7 | 16.0 | 166.2 | 3.8 | 66.8 | 995.2 |
| 12/12/2021 | 21:45:00 - 22:00:00 | 4 | 8 | 6 | 10 | 7 | 18.0 | 166.6 | 3.9 | 65.9 | 995.2 |
| 12/12/2021 | 22:00:00 - 22:15:00 | 4 | 8 | 6 | 10 | 7 | 21.5 | 167.6 | 4.4 | 63.5 | 995.1 |
| 12/12/2021 | 22:15:00 - 22:30:00 | 4 | 8 | 6 | 10 | 7 | 22.5 | 166.4 | 4.3 | 63.4 | 995.2 |
| 12/12/2021 | 22:30:00 - 22:45:00 | 4 | 8 | 6 | 10 | 7 | 19.3 | 168.5 | 4.4 | 63.0 | 995.3 |
| 12/12/2021 | 22:45:00 - 23:00:00 | 4 | 8 | 6 | 10 | 7 | 20.3 | 165.1 | 4.4 | 62.5 | 995.2 |
| 12/12/2021 | 23:00:00 - 23:15:00 | 4 | 8 | 6 | 10 | 7 | 19.5 | 166.1 | 4.3 | 63.1 | 995.3 |
| 12/12/2021 | 23:15:00 - 23:30:00 | 4 | 8 | 6 | 10 | 7 | 18.2 | 163.2 | 4.1 | 64.0 | 995.4 |
| 12/12/2021 | 23:30:00 - 23:45:00 | 4 | 8 | 7 | 10 | 7 | 20.7 | 168.9 | 4.1 | 64.1 | 995.3 |
| 12/13/2021 | 23:45:00 - 00:00:00 | 4 | 8 | 7 | 10 | 7 | 18.2 | 166.5 | 4.0 | 65.0 | 995.3 |
| 12/13/2021 | 00:00:00 - 00:15:00 | 4 | 8 | 7 | 10 | 7 | 18.9 | 165.8 | 4.0 | 65.3 | 995.3 |
| 12/13/2021 | 00:15:00 - 00:30:00 | 4 | 8 | 7 | 10 | 7 | 22.5 | 168.3 | 3.9 | 65.8 | 995.1 |
| 12/13/2021 | 00:30:00 - 00:45:00 | 4 | 8 | 7 | 10 | 7 | 19.6 | 168.3 | 3.7 | 66.6 | 995.0 |
| 12/13/2021 | 00:45:00 - 01:00:00 | 4 | 8 | 7 | 10 | 7 | 20.7 | 167.1 | 3.6 | 67.6 | 995.2 |
| 12/13/2021 | 01:00:00 - 01:15:00 | 4 | 8 | 7 | 10 | 7 | 21.6 | 167.7 | 3.5 | 68.2 | 995.4 |
| 12/13/2021 | 01:15:00 - 01:30:00 | 4 | 9 | 7 | 10 | 7 | 19.7 | 166.4 | 3.3 | 69.2 | 995.4 |
| 12/13/2021 | 01:30:00 - 01:45:00 | 4 | 9 | 7 | 10 | 7 | 17.7 | 165.5 | 3.0 | 70.4 | 995.5 |
| 12/13/2021 | 01:45:00 - 02:00:00 | 4 | 9 | 7 | 11 | 7 | 21.6 | 168.7 | 2.8 | 71.5 | 995.5 |
| 12/13/2021 | 02:00:00 - 02:15:00 | 4 | 9 | 7 | 11 | 7 | 19.7 | 168.5 | 2.6 | 72.4 | 995.6 |
| 12/13/2021 | 02:15:00 - 02:30:00 | 4 | 9 | 7 | 11 | 7 | 17.3 | 168.3 | 2.5 | 73.0 | 995.9 |
| 12/13/2021 | 02:30:00 - 02:45:00 | 4 | 9 | 7 | 11 | 8 | 16.7 | 167.7 | 2.5 | 73.0 | 995.9 |
| 12/13/2021 | 02:45:00 - 03:00:00 | 4 | 9 | 7 | 11 | 8 | 16.5 | 167.5 | 2.5 | 72.2 | 995.9 |
| 12/13/2021 | 03:00:00 - 03:15:00 | 4 | 9 | 7 | 11 | 8 | 15.8 | 165.9 | 2.5 | 72.0 | 995.8 |
| 12/13/2021 | 03:15:00 - 03:30:00 | 5 | 9 | 7 | 11 | 8 | 12.9 | 167.9 | 2.4 | 72.8 | 995.8 |
| 12/13/2021 | 03:30:00 - 03:45:00 | 5 | 9 | 7 | 11 | 8 | 13.2 | 166.6 | 2.3 | 73.0 | 995.8 |
| 12/13/2021 | 03:45:00 - 04:00:00 | 5 | 9 | 7 | 11 | 8 | 14.0 | 165.6 | 2.4 | 72.1 | 995.8 |
| 12/13/2021 | 04:00:00 - 04:15:00 | 5 | 9 | 7 | 11 | 8 | 17.7 | 170.0 | 2.5 | 71.1 | 995.7 |
| 12/13/2021 | 04:15:00 - 04:30:00 | 5 | 9 | 7 | 11 | 8 | 17.5 | 167.7 | 2.5 | 70.9 | 995.8 |
| 12/13/2021 | 04:30:00 - 04:45:00 | 5 | 9 | 7 | 11 | 8 | 17.5 | 168.1 | 2.5 | 70.7 | 995.7 |
| 12/13/2021 | 04:45:00 - 05:00:00 | 5 | 9 | 8 | 11 | 8 | 13.5 | 166.6 | 2.1 | 72.5 | 995.7 |
| 12/13/2021 | 05:00:00 - 05:15:00 | 5 | 9 | 8 | 11 | 8 | 14.1 | 164.8 | 1.7 | 74.1 | 995.6 |
| 12/13/2021 | 05:15:00 - 05:30:00 | 5 | 10 | 8 | 11 | 8 | 12.5 | 160.5 | 1.5 | 75.3 | 995.7 |
| 12/13/2021 | 05:30:00 - 05:45:00 | 5 | 10 | 8 | 11 | 8 | 14.1 | 168.5 | 1.4 | 75.8 | 995.7 |
| 12/13/2021 | 05:45:00 - 06:00:00 | 5 | 10 | 8 | 11 | 8 | 11.7 | 166.0 | 1.3 | 76.0 | 995.7 |
| 12/13/2021 | 06:00:00 - 06:15:00 | 5 | 10 | 8 | 12 | 8 | 13.6 | 169.5 | 1.2 | 77.0 | 995.7 |
| 12/13/2021 | 06:15:00 - 06:30:00 | 5 | 10 | 8 | 12 | 8 | 13.0 | 165.9 | 1.2 | 77.0 | 995.8 |
| 12/13/2021 | 06:30:00 - 06:45:00 | 5 | 10 | 8 | 12 | 8 | 13.9 | 169.9 | 1.3 | 76.4 | 995.8 |
| 12/13/2021 | 06:45:00 - 07:00:00 | 5 | 10 | 8 | 12 | 8 | 14.9 | 165.2 | 1.5 | 75.1 | 995.8 |
| 12/13/2021 | 07:00:00 - 07:15:00 | 5 | 10 | 8 | 12 | 9 | 13.8 | 167.8 | 1.6 | 74.2 | 995.9 |
| 12/13/2021 | 07:15:00 - 07:30:00 | 5 | 10 | 8 | 12 | 9 | 13.9 | 165.7 | 1.5 | 75.0 | 996.0 |
| 12/13/2021 | 07:30:00 - 07:45:00 | 5 | 10 | 8 | 12 | 9 | 15.8 | 166.2 | 1.4 | 75.6 | 996.1 |
| 12/13/2021 | 07:45:00 - 08:00:00 | 5 | 10 | 8 | 12 | 9 | 14.6 | 167.8 | 1.4 | 75.8 | 996.2 |
| 12/13/2021 | 08:00:00 - 08:15:00 | 5 | 10 | 8 | 12 | 9 | 14.1 | 166.4 | 1.5 | 76.0 | 996.2 |
| 12/13/2021 | 08:15:00 - 08:30:00 | 5 | 15 | 8 | 12 | 9 | 13.7 | 164.5 | 1.8 | 75.0 | 996.4 |
| 12/13/2021 | 08:30:00 - 08:45:00 | 8 | 18 | 13 | 12 | 9 | 17.4 | 167.9 | 2.1 | 74.0 | 996.5 |
| 12/13/2021 | 08:45:00 - 09:00:00 | 9 | 16 | 14 | 12 | 11 | 15.4 | 167.4 | 2.1 | 75.0 | 996.7 |
| 12/13/2021 | 09:00:00 - 09:15:00 | 8 | 15 | 13 | 15 | 12 | 14.4 | 162.4 | 2.5 | 74.9 | 996.9 |
| 12/13/2021 | 09:15:00 - 09:30:00 | 7 | 15 | 12 | 14 | 12 | 12.6 | 167.1 | 3.1 | 73.0 | 997.1 |
| 12/13/2021 | 09:30:00 - 09:45:00 | 7 | 14 | 12 | 14 | 11 | 11.9 | 164.8 | 3.7 | 71.1 | 997.2 |
| 12/13/2021 | 09:45:00 - 10:00:00 | 7 | 14 | 11 | 14 | 11 | 10.2 | 156.8 | 4.1 | 70.0 | 997.3 |
| 12/13/2021 | 10:00:00 - 10:15:00 | 7 | 13 | 11 | 14 | 11 | 11.4 | 154.0 | 4.7 | 68.3 | 997.3 |
| 12/13/2021 | 10:15:00 - 10:30:00 | 7 | 13 | 11 | 14 | 10 | 11.3 | 158.3 | 5.1 | 67.1 | 997.5 |
| 12/13/2021 | 10:30:00 - 10:45:00 | 7 | 13 | 11 | 13 | 10 | 11.1 | 153.8 | 5.8 | 64.8 | 997.6 |
| 12/13/2021 | 10:45:00 - 11:00:00 | 7 | 12 | 10 | 13 | 10 | 11.8 | 150.2 | 6.4 | 63.0 | 997.6 |
| 12/13/2021 | 11:00:00 - 11:15:00 | 7 | 12 | 10 | 13 | 10 | 10.8 | 153.3 | 6.9 | 62.3 | 997.5 |
| 12/13/2021 | 11:15:00 - 11:30:00 | 6 | 12 | 10 | 13 | 10 | 12.0 | 122.5 | 7.3 | 60.4 | 997.3 |
| 12/13/2021 | 11:30:00 - 11:45:00 | 6 | 12 | 9 | 13 | 10 | 9.3 | 141.6 | 7.9 | 59.3 | 997.1 |
| 12/13/2021 | 11:45:00 - 12:00:00 | 6 | 11 | 9 | 13 | 10 | 9.7 | 140.4 | 8.6 | 57.3 | 997.1 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 12/13/2021 | 12:00:00 - 12:15:00 | 7 | 11 | 9 | 13 | 9 | 10.0 | 142.8 | 9.1 | 56.4 | 997.0 |
| 12/13/2021 | 12:15:00 - 12:30:00 | 7 | 11 | 9 | 13 | 9 | 8.0 | 141.0 | 9.6 | 54.4 | 996.9 |
| 12/13/2021 | 12:30:00 - 12:45:00 | 7 | 11 | 9 | 13 | 9 | 8.4 | 115.4 | 10.1 | 51.3 | 996.8 |
| 12/13/2021 | 12:45:00 - 13:00:00 | 7 | 11 | 9 | 13 | 9 | 8.0 | 113.1 | 10.3 | 50.7 | 996.6 |
| 12/13/2021 | 13:00:00 - 13:15:00 | 7 | 11 | 9 | 13 | 9 | 8.9 | 131.4 | 10.0 | 52.2 | 996.6 |
| 12/13/2021 | 13:15:00 - 13:30:00 | 7 | 11 | 9 | 13 | 9 | 9.9 | 140.2 | 10.1 | 52.5 | 996.6 |
| 12/13/2021 | 13:30:00 - 13:45:00 | 7 | 11 | 9 | 13 | 10 | 9.7 | 131.0 | 10.3 | 53.2 | 996.5 |
| 12/13/2021 | 13:45:00 - 14:00:00 | 7 | 11 | 9 | 13 | 10 | 10.5 | 132.5 | 10.4 | 52.9 | 996.6 |
| 12/13/2021 | 14:00:00 - 14:15:00 | 7 | 11 | 9 | 13 | 10 | 8.6 | 127.0 | 10.5 | 53.7 | 996.7 |
| 12/13/2021 | 14:15:00 - 14:30:00 | 7 | 11 | 9 | 13 | 10 | 8.9 | 142.4 | 10.7 | 53.4 | 996.7 |
| 12/13/2021 | 14:30:00 - 14:45:00 | 7 | 11 | 8 | 13 | 10 | 9.3 | 112.9 | 10.5 | 53.9 | 996.7 |
| 12/13/2021 | 14:45:00 - 15:00:00 | 7 | 11 | 8 | 13 | 10 | 9.7 | 121.7 | 10.6 | 53.4 | 996.7 |
| 12/13/2021 | 15:00:00 - 15:15:00 | 7 | 11 | 8 | 13 | 10 | 9.4 | 142.9 | 10.7 | 53.2 | 996.7 |
| 12/13/2021 | 15:15:00 - 15:30:00 | 7 | 11 | 8 | 13 | 10 | 12.3 | 163.5 | 10.4 | 53.6 | 996.7 |
| 12/13/2021 | 15:30:00 - 15:45:00 | 7 | 11 | 8 | 13 | 10 | 8.3 | 149.1 | 10.4 | 54.9 | 996.8 |
| 12/13/2021 | 15:45:00 - 16:00:00 | 7 | 11 | 9 | 14 | 10 | 10.1 | 161.4 | 10.3 | 54.9 | 997.0 |
| 12/13/2021 | 16:00:00 - 16:15:00 | 8 | 11 | 9 | 14 | 10 | 9.4 | 166.2 | 10.3 | 54.3 | 997.1 |
| 12/13/2021 | 16:15:00 - 16:30:00 | 8 | 11 | 9 | 14 | 10 | 9.5 | 165.4 | 10.2 | 54.0 | 997.1 |
| 12/13/2021 | 16:30:00 - 16:45:00 | 8 | 11 | 9 | 14 | 10 | 7.6 | 165.1 | 9.9 | 55.4 | 997.2 |
| 12/13/2021 | 16:45:00 - 17:00:00 | 8 | 11 | 9 | 14 | 10 | 7.6 | 163.2 | 9.4 | 60.2 | 997.3 |
| 12/13/2021 | 17:00:00 - 17:15:00 | 8 | 11 | 9 | 14 | 10 | 3.6 | 134.3 | 8.8 | 66.2 | 997.3 |
| 12/13/2021 | 17:15:00 - 17:30:00 | 8 | 11 | 9 | 14 | 10 | 2.6 | 136.0 | 8.4 | 68.4 | 997.6 |
| 12/13/2021 | 17:30:00 - 17:45:00 | 8 | 11 | 9 | 15 | 11 | 1.6 | 134.0 | 7.4 | 70.9 | 997.8 |
| 12/13/2021 | 17:45:00 - 18:00:00 | 8 | 11 | 9 | 15 | 11 | 2.0 | 146.7 | 6.7 | 73.4 | 997.9 |
| 12/13/2021 | 18:00:00 - 18:15:00 | 8 | 12 | 10 | 15 | 11 | 3.6 | 159.0 | 7.3 | 71.4 | 998.0 |
| 12/13/2021 | 18:15:00 - 18:30:00 | 9 | 12 | 10 | 16 | 11 | 4.3 | 139.6 | 7.5 | 69.8 | 998.2 |
| 12/13/2021 | 18:30:00 - 18:45:00 | 9 | 12 | 10 | 16 | 12 | 3.1 | 87.8 | 6.9 | 71.3 | 998.4 |
| 12/13/2021 | 18:45:00 - 19:00:00 | 9 | 13 | 11 | 16 | 12 | 2.5 | 60.9 | 5.6 | 75.5 | 998.5 |
| 12/13/2021 | 19:00:00 - 19:15:00 | 10 | 13 | 11 | 17 | 13 | 4.6 | 73.7 | 4.9 | 78.6 | 998.5 |
| 12/13/2021 | 19:15:00 - 19:30:00 | 10 | 14 | 12 | 18 | 13 | 5.4 | 83.4 | 5.5 | 76.5 | 998.6 |
| 12/13/2021 | 19:30:00 - 19:45:00 | 10 | 14 | 12 | 18 | 14 | 2.8 | 85.3 | 4.9 | 77.7 | 998.8 |
| 12/13/2021 | 19:45:00 - 20:00:00 | 11 | 15 | 12 | 18 | 14 | 2.6 | 90.8 | 4.1 | 81.1 | 999.0 |
| 12/13/2021 | 20:00:00 - 20:15:00 | 11 | 15 | 13 | 19 | 15 | 5.0 | 82.0 | 4.4 | 81.8 | 999.1 |
| 12/13/2021 | 20:15:00 - 20:30:00 | 11 | 15 | 13 | 19 | 15 | 5.9 | 78.8 | 4.7 | 80.4 | 999.2 |
| 12/13/2021 | 20:30:00 - 20:45:00 | 11 | 15 | 13 | 19 | 15 | 5.2 | 75.9 | 4.5 | 80.9 | 999.3 |
| 12/13/2021 | 20:45:00 - 21:00:00 | 12 | 16 | 14 | 20 | 15 | 4.7 | 109.0 | 5.0 | 79.6 | 999.3 |
| 12/13/2021 | 21:00:00 - 21:15:00 | 12 | 16 | 14 | 20 | 16 | 6.3 | 115.0 | 5.4 | 77.0 | 999.4 |
| 12/13/2021 | 21:15:00 - 21:30:00 | 12 | 16 | 14 | 20 | 16 | 6.1 | 139.2 | 5.3 | 77.0 | 999.5 |
| 12/13/2021 | 21:30:00 - 21:45:00 | 12 | 16 | 14 | 20 | 16 | 6.3 | 127.0 | 5.4 | 76.0 | 999.5 |
| 12/13/2021 | 21:45:00 - 22:00:00 | 12 | 16 | 14 | 20 | 16 | 7.6 | 129.6 | 5.1 | 76.0 | 999.5 |
| 12/13/2021 | 22:00:00 - 22:15:00 | 12 | 16 | 14 | 20 | 16 | 5.7 | 144.4 | 5.5 | 73.3 | 999.3 |
| 12/13/2021 | 22:15:00 - 22:30:00 | 12 | 16 | 14 | 20 | 16 | 5.7 | 141.8 | 5.5 | 72.7 | 999.3 |
| 12/13/2021 | 22:30:00 - 22:45:00 | 12 | 16 | 14 | 20 | 16 | 4.1 | 132.1 | 5.3 | 73.1 | 999.4 |
| 12/13/2021 | 22:45:00 - 23:00:00 | 12 | 16 | 14 | 20 | 16 | 5.1 | 109.8 | 4.9 | 74.3 | 999.4 |
| 12/13/2021 | 23:00:00 - 23:15:00 | 12 | 16 | 14 | 20 | 16 | 5.6 | 126.0 | 4.6 | 75.9 | 999.3 |
| 12/13/2021 | 23:15:00 - 23:30:00 | 11 | 16 | 14 | 20 | 16 | 7.0 | 154.1 | 5.1 | 74.8 | 999.3 |
| 12/13/2021 | 23:30:00 - 23:45:00 | 11 | 16 | 14 | 20 | 16 | 7.6 | 156.9 | 5.5 | 73.0 | 999.3 |
| 12/14/2021 | 23:45:00 - 00:00:00 | 11 | 16 | 14 | 20 | 15 | 8.4 | 158.5 | 5.3 | 73.0 | 999.3 |
| 12/14/2021 | 00:00:00 - 00:15:00 | 11 | 16 | 14 | 20 | 15 | 7.8 | 156.0 | 5.0 | 74.0 | 999.4 |
| 12/14/2021 | 00:15:00 - 00:30:00 | 11 | 16 | 14 | 20 | 15 | 7.9 | 159.7 | 4.9 | 74.0 | 999.5 |
| 12/14/2021 | 00:30:00 - 00:45:00 | 11 | 16 | 14 | 20 | 15 | 6.9 | 160.4 | 4.8 | 75.0 | 999.5 |
| 12/14/2021 | 00:45:00 - 01:00:00 | 11 | 16 | 14 | 20 | 16 | 7.1 | 159.9 | 4.6 | 75.0 | 999.5 |
| 12/14/2021 | 01:00:00 - 01:15:00 | 11 | 16 | 14 | 20 | 16 | 6.3 | 145.6 | 4.6 | 75.0 | 999.6 |
| 12/14/2021 | 01:15:00 - 01:30:00 | 11 | 16 | 14 | 20 | 16 | 5.3 | 124.3 | 4.4 | 76.0 | 999.5 |
| 12/14/2021 | 01:30:00 - 01:45:00 | 11 | 16 | 14 | 20 | 16 | 4.8 | 103.2 | 4.5 | 76.0 | 999.4 |
| 12/14/2021 | 01:45:00 - 02:00:00 | 11 | 16 | 14 | 20 | 16 | 5.4 | 108.9 | 4.4 | 76.0 | 999.5 |
| 12/14/2021 | 02:00:00 - 02:15:00 | 11 | 16 | 14 | 20 | 16 | 5.5 | 102.1 | 4.0 | 77.1 | 999.8 |
| 12/14/2021 | 02:15:00 - 02:30:00 | 11 | 17 | 14 | 20 | 16 | 7.9 | 137.9 | 3.8 | 78.3 | 999.8 |
| 12/14/2021 | 02:30:00 - 02:45:00 | 12 | 17 | 14 | 20 | 16 | 7.3 | 139.7 | 3.9 | 77.9 | 999.8 |
| 12/14/2021 | 02:45:00 - 03:00:00 | 12 | 17 | 14 | 20 | 16 | 9.5 | 139.0 | 4.0 | 77.2 | 999.9 |
| 12/14/2021 | 03:00:00 - 03:15:00 | 12 | 17 | 14 | 20 | 16 | 10.1 | 143.3 | 3.9 | 77.2 | 999.8 |
| 12/14/2021 | 03:15:00 - 03:30:00 | 12 | 17 | 14 | 20 | 16 | 9.2 | 146.4 | 3.7 | 77.8 | 999.7 |
| 12/14/2021 | 03:30:00 - 03:45:00 | 12 | 17 | 15 | 20 | 16 | 8.1 | 139.2 | 3.6 | 78.0 | 999.6 |
| 12/14/2021 | 03:45:00 - 04:00:00 | 12 | 17 | 15 | 21 | 16 | 8.6 | 135.5 | 3.7 | 78.0 | 999.7 |
| 12/14/2021 | 04:00:00 - 04:15:00 | 12 | 17 | 15 | 21 | 16 | 10.1 | 129.7 | 3.6 | 78.0 | 999.7 |
| 12/14/2021 | 04:15:00 - 04:30:00 | 12 | 17 | 15 | 21 | 16 | 8.5 | 119.2 | 3.5 | 78.3 | 999.7 |
| 12/14/2021 | 04:30:00 - 04:45:00 | 12 | 17 | 15 | 21 | 16 | 7.0 | 117.2 | 3.1 | 79.2 | 1000.0 |
| 12/14/2021 | 04:45:00 - 05:00:00 | 12 | 17 | 15 | 21 | 17 | 6.8 | 107.0 | 2.6 | 80.9 | 1000.0 |
| 12/14/2021 | 05:00:00 - 05:15:00 | 12 | 18 | 15 | 21 | 17 | 7.3 | 116.5 | 2.1 | 83.0 | 1000.1 |
| 12/14/2021 | 05:15:00 - 05:30:00 | 12 | 18 | 15 | 21 | 17 | 7.0 | 128.1 | 2.1 | 83.4 | 999.9 |
| 12/14/2021 | 05:30:00 - 05:45:00 | 12 | 18 | 15 | 21 | 17 | 6.0 | 115.4 | 2.0 | 84.0 | 999.9 |
| 12/14/2021 | 05:45:00 - 06:00:00 | 12 | 18 | 15 | 21 | 17 | 5.7 | 118.8 | 1.8 | 84.9 | 999.9 |
| 12/14/2021 | 06:00:00 - 06:15:00 | 12 | 18 | 15 | 21 | 17 | 4.6 | 110.1 | 1.5 | 85.5 | 1000.0 |
| 12/14/2021 | 06:15:00 - 06:30:00 | 12 | 18 | 16 | 22 | 17 | 6.0 | 121.1 | 1.5 | 86.4 | 999.9 |
| 12/14/2021 | 06:30:00 - 06:45:00 | 13 | 18 | 16 | 22 | 17 | 8.3 | 126.3 | 2.1 | 84.6 | 1000.0 |
| 12/14/2021 | 06:45:00 - 07:00:00 | 13 | 18 | 16 | 22 | 17 | 8.4 | 117.4 | 2.2 | 83.8 | 1000.2 |
| 12/14/2021 | 07:00:00 - 07:15:00 | 13 | 18 | 16 | 22 | 17 | 8.8 | 130.1 | 2.1 | 83.9 | 1000.1 |
| 12/14/2021 | 07:15:00 - 07:30:00 | 13 | 19 | 16 | 22 | 17 | 11.4 | 134.6 | 2.3 | 83.4 | 1000.0 |
| 12/14/2021 | 07:30:00 - 07:45:00 | 13 | 19 | 16 | 22 | 18 | 12.3 | 136.8 | 2.6 | 82.1 | 999.9 |
| 12/14/2021 | 07:45:00 - 08:00:00 | 13 | 19 | 16 | 22 | 18 | 10.8 | 138.6 | 2.7 | 81.8 | 999.8 |
| 12/14/2021 | 08:00:00 - 08:15:00 | 13 | 19 | 16 | 22 | 18 | 11.1 | 134.9 | 3.1 | 80.3 | 1000.0 |
| 12/14/2021 | 08:15:00 - 08:30:00 | 13 | 19 | 16 | 22 | 18 | 11.1 | 134.4 | 3.8 | 78.0 | 1000.3 |
| 12/14/2021 | 08:30:00 - 08:45:00 | 13 | 19 | 16 | 22 | 18 | 12.5 | 135.7 | 4.4 | 76.0 | 1000.3 |
| 12/14/2021 | 08:45:00 - 09:00:00 | 13 | 22 | 16 | 22 | 18 | 14.6 | 141.0 | 4.8 | 74.7 | 1000.1 |
| 12/14/2021 | 09:00:00 - 09:15:00 | 13 | 24 | 22 | 22 | 18 | 15.4 | 138.5 | 5.0 | 73.8 | 1000.0 |
| 12/14/2021 | 09:15:00 - 09:30:00 | 17 | 24 | 22 | 23 | 18 | 13.8 | 137.2 | 5.3 | 73.2 | 999.9 |
| 12/14/2021 | 09:30:00 - 09:45:00 | 17 | 24 | 21 | 23 | 18 | 11.2 | 152.8 | 5.8 | 71.8 | 1000.3 |
| 12/14/2021 | 09:45:00 - 10:00:00 | 17 | 23 | 21 | 23 | 18 | 9.7 | 158.0 | 6.4 | 71.5 | 1000.4 |
| 12/14/2021 | 10:00:00 - 10:15:00 | 17 | 23 | 20 | 23 | 18 | 11.5 | 157.8 | 7.0 | 70.6 | 1000.2 |
| 12/14/2021 | 10:15:00 - 10:30:00 | 17 | 23 | 20 | 23 | 18 | 11.4 | 153.4 | 7.6 | 69.2 | 1000.1 |
| 12/14/2021 | 10:30:00 - 10:45:00 | 17 | 22 | 20 | 23 | 18 | 10.5 | 156.9 | 8.5 | 67.6 | 1000.1 |
| 12/14/2021 | 10:45:00 - 11:00:00 | 17 | 22 | 19 | 23 | 18 | 12.0 | 156.3 | 9.0 | 65.5 | 999.9 |
| 12/14/2021 | 11:00:00 - 11:15:00 | 17 | 22 | 19 | 23 | 18 | 12.3 | 156.1 | 9.2 | 66.9 | 999.7 |
| 12/14/2021 | 11:15:00 - 11:30:00 | 17 | 22 | 19 | 23 | 18 | 13.2 | 162.4 | 9.7 | 65.7 | 999.7 |
| 12/14/2021 | 11:30:00 - 11:45:00 | 17 | 22 | 19 | 23 | 18 | 12.6 | 162.9 | 9.6 | 67.0 | 999.3 |
| 12/14/2021 | 11:45:00 - 12:00:00 | 17 | 21 | 19 | 23 | 18 | 13.1 | 157.6 | 10.1 | 67.2 | 999.0 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 12/14/2021 | 12:00:00 - 12:15:00 | 17 | 21 | 18 | 23 | 18 | 11.8 | 149.4 | 10.8 | 65.7 | 998.7 |
| 12/14/2021 | 12:15:00 - 12:30:00 | 17 | 21 | 18 | 23 | 18 | 12.1 | 157.7 | 11.2 | 65.4 | 998.9 |
| 12/14/2021 | 12:30:00 - 12:45:00 | 16 | 21 | 18 | 23 | 18 | 13.0 | 156.5 | 10.9 | 67.0 | 998.6 |
| 12/14/2021 | 12:45:00 - 13:00:00 | 16 | 21 | 18 | 23 | 18 | 11.0 | 160.3 | 11.1 | 67.5 | 998.3 |
| 12/14/2021 | 13:00:00 - 13:15:00 | 16 | 20 | 18 | 23 | 18 | 9.0 | 150.6 | 11.6 | 66.3 | 998.1 |
| 12/14/2021 | 13:15:00 - 13:30:00 | 16 | 20 | 18 | 23 | 18 | 10.0 | 150.3 | 11.6 | 66.0 | 997.9 |
| 12/14/2021 | 13:30:00 - 13:45:00 | 16 | 20 | 18 | 23 | 18 | 11.0 | 158.8 | 12.1 | 64.8 | 997.8 |
| 12/14/2021 | 13:45:00 - 14:00:00 | 16 | 20 | 17 | 23 | 18 | 11.3 | 155.6 | 12.1 | 65.2 | 997.7 |
| 12/14/2021 | 14:00:00 - 14:15:00 | 16 | 20 | 17 | 23 | 18 | 10.4 | 156.4 | 12.2 | 65.7 | 997.6 |
| 12/14/2021 | 14:15:00 - 14:30:00 | 16 | 20 | 17 | 23 | 18 | 9.4 | 157.6 | 12.1 | 66.0 | 997.6 |
| 12/14/2021 | 14:30:00 - 14:45:00 | 16 | 20 | 17 | 23 | 18 | 8.4 | 160.5 | 12.3 | 65.8 | 997.4 |
| 12/14/2021 | 14:45:00 - 15:00:00 | 16 | 20 | 17 | 23 | 18 | 11.1 | 152.3 | 12.2 | 65.9 | 997.4 |
| 12/14/2021 | 15:00:00 - 15:15:00 | 16 | 20 | 17 | 23 | 18 | 11.0 | 154.4 | 12.0 | 65.6 | 997.4 |
| 12/14/2021 | 15:15:00 - 15:30:00 | 16 | 20 | 17 | 23 | 18 | 11.1 | 149.6 | 11.9 | 66.6 | 997.4 |
| 12/14/2021 | 15:30:00 - 15:45:00 | 16 | 20 | 17 | 23 | 18 | 10.4 | 147.4 | 11.7 | 69.1 | 997.2 |
| 12/14/2021 | 15:45:00 - 16:00:00 | 16 | 20 | 18 | 24 | 19 | 11.2 | 150.3 | 11.4 | 69.0 | 997.1 |
| 12/14/2021 | 16:00:00 - 16:15:00 | 17 | 20 | 18 | 24 | 19 | 10.5 | 152.0 | 11.4 | 68.6 | 996.9 |
| 12/14/2021 | 16:15:00 - 16:30:00 | 17 | 20 | 18 | 24 | 19 | 11.6 | 155.1 | 11.3 | 70.0 | 996.9 |
| 12/14/2021 | 16:30:00 - 16:45:00 | 17 | 21 | 18 | 24 | 19 | 9.8 | 156.3 | 11.2 | 70.6 | 996.9 |
| 12/14/2021 | 16:45:00 - 17:00:00 | 17 | 21 | 18 | 24 | 19 | 10.4 | 154.1 | 11.2 | 70.0 | 996.8 |
| 12/14/2021 | 17:00:00 - 17:15:00 | 17 | 21 | 18 | 24 | 19 | 10.5 | 151.8 | 11.2 | 70.0 | 996.6 |
| 12/14/2021 | 17:15:00 - 17:30:00 | 17 | 21 | 18 | 24 | 19 | 11.7 | 151.2 | 11.2 | 70.5 | 996.4 |
| 12/14/2021 | 17:30:00 - 17:45:00 | 17 | 21 | 18 | 24 | 19 | 9.0 | 156.3 | 11.1 | 71.2 | 996.5 |
| 12/14/2021 | 17:45:00 - 18:00:00 | 17 | 21 | 18 | 24 | 19 | 10.7 | 146.9 | 11.2 | 71.0 | 996.5 |
| 12/14/2021 | 18:00:00 - 18:15:00 | 17 | 21 | 19 | 24 | 19 | 11.8 | 151.5 | 11.3 | 70.8 | 996.4 |
| 12/14/2021 | 18:15:00 - 18:30:00 | 17 | 21 | 19 | 24 | 19 | 11.6 | 159.0 | 11.4 | 70.6 | 996.4 |
| 12/14/2021 | 18:30:00 - 18:45:00 | 18 | 22 | 19 | 24 | 19 | 11.9 | 156.2 | 11.4 | 71.0 | 996.5 |
| 12/14/2021 | 18:45:00 - 19:00:00 | 18 | 22 | 19 | 24 | 19 | 13.8 | 152.7 | 11.4 | 71.9 | 996.4 |
| 12/14/2021 | 19:00:00 - 19:15:00 | 18 | 22 | 19 | 24 | 19 | 12.1 | 158.0 | 11.5 | 71.6 | 996.5 |
| 12/14/2021 | 19:15:00 - 19:30:00 | 18 | 22 | 19 | 24 | 19 | 13.6 | 156.2 | 11.3 | 73.3 | 996.6 |
| 12/14/2021 | 19:30:00 - 19:45:00 | 18 | 22 | 19 | 25 | 19 | 13.9 | 157.6 | 10.9 | 76.3 | 996.6 |
| 12/14/2021 | 19:45:00 - 20:00:00 | 18 | 22 | 20 | 25 | 19 | 13.3 | 158.6 | 10.6 | 79.3 | 996.4 |
| 12/14/2021 | 20:00:00 - 20:15:00 | 18 | 22 | 20 | 25 | 19 | 11.8 | 151.2 | 10.9 | 78.1 | 996.4 |
| 12/14/2021 | 20:15:00 - 20:30:00 | 18 | 23 | 20 | 25 | 20 | 12.2 | 155.3 | 11.0 | 77.6 | 996.3 |
| 12/14/2021 | 20:30:00 - 20:45:00 | 19 | 23 | 20 | 25 | 20 | 11.6 | 145.4 | 10.7 | 79.5 | 996.0 |
| 12/14/2021 | 20:45:00 - 21:00:00 | 19 | 23 | 20 | 25 | 20 | 13.0 | 146.7 | 11.1 | 77.1 | 995.7 |
| 12/14/2021 | 21:00:00 - 21:15:00 | 19 | 23 | 20 | 25 | 20 | 11.3 | 152.5 | 11.4 | 75.1 | 995.7 |
| 12/14/2021 | 21:15:00 - 21:30:00 | 19 | 23 | 20 | 25 | 20 | 11.4 | 158.5 | 10.7 | 80.5 | 995.8 |
| 12/14/2021 | 21:30:00 - 21:45:00 | 19 | 23 | 20 | 25 | 20 | 15.1 | 159.5 | 10.1 | 87.4 | 995.4 |
| 12/14/2021 | 21:45:00 - 22:00:00 | 19 | 23 | 20 | 25 | 20 | 13.7 | 160.7 | 9.9 | 90.7 | 995.4 |
| 12/14/2021 | 22:00:00 - 22:15:00 | 19 | 23 | 21 | 25 | 20 | 14.2 | 162.3 | 10.1 | 91.0 | 995.3 |
| 12/14/2021 | 22:15:00 - 22:30:00 | 19 | 23 | 21 | 25 | 20 | 13.2 | 163.2 | 10.0 | 91.7 | 995.2 |
| 12/14/2021 | 22:30:00 - 22:45:00 | 19 | 24 | 21 | 25 | 20 | 12.7 | 163.6 | 10.2 | 90.4 | 995.1 |
| 12/14/2021 | 22:45:00 - 23:00:00 | 19 | 24 | 21 | 25 | 20 | 12.8 | 166.2 | 10.5 | 88.1 | 994.9 |
| 12/14/2021 | 23:00:00 - 23:15:00 | 19 | 24 | 21 | 25 | 20 | 14.9 | 163.5 | 10.7 | 87.1 | 994.9 |
| 12/14/2021 | 23:15:00 - 23:30:00 | 19 | 24 | 21 | 25 | 20 | 13.0 | 158.4 | 10.9 | 86.0 | 994.5 |
| 12/14/2021 | 23:30:00 - 23:45:00 | 19 | 24 | 21 | 25 | 20 | 12.5 | 166.9 | 10.9 | 85.9 | 994.4 |
| 12/15/2021 | 23:45:00 - 00:00:00 | 19 | 24 | 21 | 25 | 20 | 15.2 | 166.3 | 10.9 | 86.9 | 994.3 |
| 12/15/2021 | 00:00:00 - 00:15:00 | 19 | 24 | 21 | 26 | 20 | 14.1 | 165.0 | 11.0 | 86.0 | 994.2 |
| 12/15/2021 | 00:15:00 - 00:30:00 | 19 | 24 | 21 | 26 | 20 | 14.8 | 161.9 | 11.1 | 84.9 | 994.1 |
| 12/15/2021 | 00:30:00 - 00:45:00 | 20 | 24 | 21 | 26 | 20 | 17.2 | 165.8 | 11.1 | 85.7 | 993.9 |
| 12/15/2021 | 00:45:00 - 01:00:00 | 20 | 24 | 21 | 26 | 20 | 15.8 | 163.0 | 11.0 | 88.2 | 993.7 |
| 12/15/2021 | 01:00:00 - 01:15:00 | 20 | 24 | 21 | 26 | 20 | 15.9 | 161.3 | 10.9 | 90.6 | 993.4 |
| 12/15/2021 | 01:15:00 - 01:30:00 | 20 | 24 | 21 | 26 | 20 | 15.5 | 163.4 | 10.8 | 91.0 | 993.3 |
| 12/15/2021 | 01:30:00 - 01:45:00 | 20 | 24 | 21 | 26 | 20 | 15.3 | 165.0 | 10.9 | 91.0 | 993.2 |
| 12/15/2021 | 01:45:00 - 02:00:00 | 20 | 24 | 21 | 26 | 20 | 14.4 | 163.5 | 10.9 | 91.0 | 993.2 |
| 12/15/2021 | 02:00:00 - 02:15:00 | 20 | 24 | 21 | 26 | 21 | 11.6 | 164.5 | 11.0 | 90.1 | 993.1 |
| 12/15/2021 | 02:15:00 - 02:30:00 | 20 | 24 | 21 | 26 | 21 | 12.8 | 162.1 | 11.1 | 89.2 | 993.1 |
| 12/15/2021 | 02:30:00 - 02:45:00 | 20 | 24 | 21 | 26 | 21 | 12.7 | 165.1 | 11.2 | 88.1 | 993.0 |
| 12/15/2021 | 02:45:00 - 03:00:00 | 20 | 24 | 21 | 26 | 21 | 14.0 | 164.3 | 11.2 | 87.3 | 993.2 |
| 12/15/2021 | 03:00:00 - 03:15:00 | 20 | 24 | 21 | 26 | 21 | 12.8 | 165.8 | 11.3 | 86.1 | 993.4 |
| 12/15/2021 | 03:15:00 - 03:30:00 | 20 | 24 | 21 | 26 | 21 | 13.5 | 168.0 | 11.5 | 84.8 | 993.3 |
| 12/15/2021 | 03:30:00 - 03:45:00 | 20 | 24 | 21 | 26 | 21 | 13.3 | 167.1 | 11.7 | 83.5 | 993.3 |
| 12/15/2021 | 03:45:00 - 04:00:00 | 20 | 24 | 21 | 26 | 21 | 13.6 | 164.5 | 11.7 | 83.0 | 993.1 |
| 12/15/2021 | 04:00:00 - 04:15:00 | 20 | 24 | 21 | 26 | 21 | 13.2 | 169.0 | 11.6 | 83.5 | 993.0 |
| 12/15/2021 | 04:15:00 - 04:30:00 | 20 | 24 | 21 | 26 | 21 | 12.4 | 168.5 | 11.5 | 84.0 | 992.9 |
| 12/15/2021 | 04:30:00 - 04:45:00 | 20 | 24 | 21 | 26 | 21 | 12.3 | 165.4 | 11.4 | 84.5 | 992.7 |
| 12/15/2021 | 04:45:00 - 05:00:00 | 20 | 24 | 21 | 26 | 21 | 10.0 | 168.6 | 11.3 | 85.0 | 992.6 |
| 12/15/2021 | 05:00:00 - 05:15:00 | 20 | 24 | 21 | 26 | 21 | 9.8 | 163.9 | 11.3 | 85.1 | 992.4 |
| 12/15/2021 | 05:15:00 - 05:30:00 | 20 | 24 | 21 | 26 | 21 | 11.8 | 164.7 | 11.4 | 85.3 | 992.2 |
| 12/15/2021 | 05:30:00 - 05:45:00 | 20 | 24 | 21 | 26 | 21 | 12.2 | 164.7 | 11.6 | 85.0 | 992.0 |
| 12/15/2021 | 05:45:00 - 06:00:00 | 20 | 24 | 21 | 26 | 21 | 10.5 | 164.3 | 11.6 | 85.0 | 991.9 |
| 12/15/2021 | 06:00:00 - 06:15:00 | 20 | 24 | 21 | 26 | 21 | 11.8 | 166.3 | 11.7 | 85.9 | 991.7 |
| 12/15/2021 | 06:15:00 - 06:30:00 | 20 | 24 | 21 | 26 | 21 | 14.5 | 166.9 | 11.9 | 86.0 | 991.6 |
| 12/15/2021 | 06:30:00 - 06:45:00 | 20 | 24 | 21 | 26 | 21 | 13.4 | 166.0 | 12.3 | 86.0 | 991.6 |
| 12/15/2021 | 06:45:00 - 07:00:00 | 20 | 24 | 21 | 26 | 21 | 17.6 | 166.9 | 12.8 | 85.3 | 991.4 |
| 12/15/2021 | 07:00:00 - 07:15:00 | 20 | 24 | 21 | 26 | 21 | 15.8 | 163.0 | 12.9 | 84.0 | 991.3 |
| 12/15/2021 | 07:15:00 - 07:30:00 | 20 | 24 | 21 | 26 | 21 | 16.5 | 167.0 | 12.8 | 84.0 | 991.3 |
| 12/15/2021 | 07:30:00 - 07:45:00 | 20 | 24 | 21 | 26 | 21 | 17.1 | 166.1 | 12.8 | 84.0 | 991.2 |
| 12/15/2021 | 07:45:00 - 08:00:00 | 20 | 24 | 21 | 26 | 21 | 17.8 | 165.1 | 12.9 | 84.0 | 991.0 |
| 12/15/2021 | 08:00:00 - 08:15:00 | 20 | 24 | 21 | 26 | 21 | 18.9 | 165.5 | 13.0 | 84.0 | 990.8 |
| 12/15/2021 | 08:15:00 - 08:30:00 | 20 | 24 | 21 | 26 | 21 | 18.3 | 164.5 | 13.3 | 83.5 | 990.8 |
| 12/15/2021 | 08:30:00 - 08:45:00 | 20 | 24 | 21 | 26 | 21 | 19.2 | 165.0 | 13.6 | 83.9 | 990.8 |
| 12/15/2021 | 08:45:00 - 09:00:00 | 20 | 24 | 21 | 26 | 21 | 17.5 | 163.0 | 14.0 | 84.0 | 990.8 |
| 12/15/2021 | 09:00:00 - 09:15:00 | 20 | 24 | 21 | 26 | 21 | 20.3 | 165.7 | 14.2 | 83.8 | 990.7 |
| 12/15/2021 | 09:15:00 - 09:30:00 | 20 | 24 | 21 | 26 | 21 | 18.0 | 165.2 | 14.4 | 83.4 | 990.7 |
| 12/15/2021 | 09:30:00 - 09:45:00 | 20 | 24 | 21 | 27 | 21 | 16.5 | 163.6 | 14.5 | 84.0 | 990.7 |
| 12/15/2021 | 09:45:00 - 10:00:00 | 20 | 24 | 21 | 27 | 21 | 18.3 | 163.6 | 14.6 | 84.9 | 990.6 |
| 12/15/2021 | 10:00:00 - 10:15:00 | 20 | 24 | 21 | 27 | 21 | 20.4 | 164.5 | 14.8 | 85.5 | 990.6 |
| 12/15/2021 | 10:15:00 - 10:30:00 | 20 | 24 | 21 | 27 | 21 | 18.4 | 165.6 | 14.9 | 85.9 | 990.5 |
| 12/15/2021 | 10:30:00 - 10:45:00 | 20 | 24 | 21 | 27 | 21 | 18.4 | 167.1 | 15.0 | 86.0 | 990.4 |
| 12/15/2021 | 10:45:00 - 11:00:00 | 20 | 24 | 21 | 27 | 21 | 17.0 | 165.8 | 15.2 | 86.8 | 990.1 |
| 12/15/2021 | 11:00:00 - 11:15:00 | 20 | 25 | 21 | 27 | 21 | 20.8 | 163.5 | 15.4 | 87.0 | 989.7 |
| 12/15/2021 | 11:15:00 - 11:30:00 | 20 | 25 | 21 | 27 | 21 | 20.3 | 161.1 | 15.6 | 87.0 | 989.4 |
| 12/15/2021 | 11:30:00 - 11:45:00 | 20 | 25 | 21 | 27 | 21 | 19.9 | 163.3 | 15.8 | 87.0 | 989.2 |
| 12/15/2021 | 11:45:00 - 12:00:00 | 20 | 25 | 21 | 27 | 21 | 19.8 | 164.1 | 15.8 | 87.0 | 989.0 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 12/15/2021 | 12:00:00 - 12:15:00 | 27 | 25 | 29 | 27 | 21 | 22.1 | 164.8 | 15.8 | 87.9 | 988.7 |
| 12/15/2021 | 12:15:00 - 12:30:00 | 29 | 25 | 28 | 27 | 21 | 22.5 | 164.3 | 15.8 | 88.1 | 988.4 |
| 12/15/2021 | 12:30:00 - 12:45:00 | 29 | 25 | 29 | 27 | 22 | 21.5 | 163.6 | 15.9 | 88.6 | 988.2 |
| 12/15/2021 | 12:45:00 - 13:00:00 | 29 | 25 | 29 | 37 | 22 | 18.8 | 166.4 | 16.0 | 88.5 | 988.0 |
| 12/15/2021 | 13:00:00 - 13:15:00 | 28 | 25 | 29 | 41 | Offline | 21.4 | 169.1 | 16.0 | 89.0 | 987.7 |
| 12/15/2021 | 13:15:00 - 13:30:00 | 28 | 25 | 28 | 40 | 30 | 17.2 | 166.7 | 16.1 | 89.5 | 987.4 |
| 12/15/2021 | 13:30:00 - 13:45:00 | 28 | 25 | 28 | 40 | Offline | 18.1 | 168.5 | 16.4 | 89.0 | 987.3 |
| 12/15/2021 | 13:45:00 - 14:00:00 | 27 | 25 | 28 | 40 | Offline | 20.1 | 163.3 | 16.5 | 89.0 | 987.3 |
| 12/15/2021 | 14:00:00 - 14:15:00 | 27 | 25 | 28 | 39 | Offline | 17.4 | 167.0 | 16.5 | 89.8 | 987.2 |
| 12/15/2021 | 14:15:00 - 14:30:00 | 27 | 25 | 27 | 39 | Offline | 18.9 | 168.0 | 16.4 | 90.7 | 986.9 |
| 12/15/2021 | 14:30:00 - 14:45:00 | 27 | 25 | 27 | 39 | Offline | 20.4 | 164.9 | 16.3 | 90.8 | 986.6 |
| 12/15/2021 | 14:45:00 - 15:00:00 | 27 | 25 | 28 | 39 | 40 | 20.7 | 166.9 | 16.4 | 90.0 | 986.5 |
| 12/15/2021 | 15:00:00 - 15:15:00 | 27 | 28 | 28 | 39 | 41 | 20.2 | 166.9 | 16.2 | 90.3 | 986.6 |
| 12/15/2021 | 15:15:00 - 15:30:00 | 27 | 35 | 28 | 39 | 39 | 20.9 | 168.6 | 16.0 | 90.9 | 986.6 |
| 12/15/2021 | 15:30:00 - 15:45:00 | 27 | 34 | 28 | 39 | 38 | 19.8 | 166.4 | 15.9 | 90.7 | 986.5 |
| 12/15/2021 | 15:45:00 - 16:00:00 | 27 | 33 | 28 | 39 | 37 | 23.3 | 168.1 | 15.6 | 91.6 | 986.3 |
| 12/15/2021 | 16:00:00 - 16:15:00 | 27 | 33 | 28 | 39 | 36 | 20.0 | 169.4 | 15.5 | 91.3 | 986.1 |
| 12/15/2021 | 16:15:00 - 16:30:00 | 27 | 33 | 28 | 39 | 35 | 20.9 | 166.4 | 15.7 | 89.5 | 986.1 |
| 12/15/2021 | 16:30:00 - 16:45:00 | 27 | 33 | 28 | 39 | 35 | 21.6 | 166.9 | 15.9 | 88.6 | 985.9 |
| 12/15/2021 | 16:45:00 - 17:00:00 | 27 | 33 | 28 | 39 | 35 | 20.9 | 167.1 | 15.9 | 88.0 | 985.9 |
| 12/15/2021 | 17:00:00 - 17:15:00 | 27 | 33 | 28 | 39 | 34 | 22.3 | 166.4 | 15.9 | 88.0 | 985.8 |
| 12/15/2021 | 17:15:00 - 17:30:00 | 27 | 33 | 28 | 39 | 34 | 22.3 | 169.2 | 15.9 | 88.3 | 985.8 |
| 12/15/2021 | 17:30:00 - 17:45:00 | 27 | 33 | 28 | 39 | 34 | 22.7 | 168.7 | 15.4 | 91.6 | 985.8 |
| 12/15/2021 | 17:45:00 - 18:00:00 | 27 | 33 | 28 | 39 | 34 | 22.6 | 166.3 | 15.6 | 90.8 | 985.4 |
| 12/15/2021 | 18:00:00 - 18:15:00 | 27 | 33 | 28 | 39 | 34 | 24.0 | 168.7 | 15.8 | 89.5 | 985.1 |
| 12/15/2021 | 18:15:00 - 18:30:00 | 27 | 33 | 28 | 39 | 34 | 24.2 | 165.9 | 15.8 | 89.0 | 984.9 |
| 12/15/2021 | 18:30:00 - 18:45:00 | 27 | 33 | 28 | 39 | 34 | 26.0 | 165.8 | 15.7 | 89.0 | 984.6 |
| 12/15/2021 | 18:45:00 - 19:00:00 | 27 | 33 | 27 | 39 | 33 | 21.8 | 163.5 | 15.7 | 89.0 | 984.4 |
| 12/15/2021 | 19:00:00 - 19:15:00 | 27 | 32 | 27 | 39 | 33 | 22.7 | 166.6 | 15.7 | 89.0 | 984.1 |
| 12/15/2021 | 19:15:00 - 19:30:00 | 27 | 32 | 27 | 39 | 33 | 24.3 | 167.2 | 15.7 | 88.2 | 983.4 |
| 12/15/2021 | 19:30:00 - 19:45:00 | 27 | 32 | 27 | 38 | 32 | 24.3 | 165.4 | 15.7 | 87.1 | 982.9 |
| 12/15/2021 | 19:45:00 - 20:00:00 | 26 | 32 | 27 | 38 | 32 | 27.2 | 168.2 | 15.9 | 86.7 | 982.7 |
| 12/15/2021 | 20:00:00 - 20:15:00 | 26 | 31 | 27 | 38 | 32 | 28.6 | 168.7 | 16.0 | 86.9 | 982.9 |
| 12/15/2021 | 20:15:00 - 20:30:00 | 26 | 31 | 27 | 38 | 32 | 25.2 | 165.5 | 15.9 | 87.3 | 983.0 |
| 12/15/2021 | 20:30:00 - 20:45:00 | 26 | 31 | 26 | 38 | 31 | 26.3 | 164.7 | 15.8 | 88.1 | 983.0 |
| 12/15/2021 | 20:45:00 - 21:00:00 | 26 | 31 | 26 | 38 | 31 | 26.5 | 165.9 | 15.8 | 88.0 | 982.9 |
| 12/15/2021 | 21:00:00 - 21:15:00 | 26 | 31 | 26 | 37 | 31 | 28.6 | 167.0 | 15.8 | 88.8 | 982.6 |
| 12/15/2021 | 21:15:00 - 21:30:00 | 26 | 30 | 26 | 37 | 31 | 26.1 | 167.0 | 16.0 | 87.9 | 982.7 |
| 12/15/2021 | 21:30:00 - 21:45:00 | 26 | 30 | 26 | 37 | 31 | 25.3 | 169.4 | 16.2 | 87.0 | 982.6 |
| 12/15/2021 | 21:45:00 - 22:00:00 | 26 | 30 | 26 | 37 | 30 | 25.4 | 162.7 | 16.3 | 86.1 | 982.9 |
| 12/15/2021 | 22:00:00 - 22:15:00 | 26 | 30 | 26 | 37 | 30 | 24.0 | 167.3 | 16.3 | 86.3 | 982.8 |
| 12/15/2021 | 22:15:00 - 22:30:00 | 25 | 30 | 26 | 37 | 30 | 26.9 | 164.7 | 16.1 | 87.1 | 982.1 |
| 12/15/2021 | 22:30:00 - 22:45:00 | 25 | 29 | 25 | 36 | 30 | 23.0 | 165.3 | 16.1 | 88.0 | 981.7 |
| 12/15/2021 | 22:45:00 - 23:00:00 | 25 | 29 | 25 | Offline | 29 | 25.2 | 166.6 | 16.3 | 87.2 | 981.6 |
| 12/15/2021 | 23:00:00 - 23:15:00 | 25 | 29 | 25 | Offline | 29 | 25.1 | 164.3 | 16.6 | 86.3 | 981.8 |
| 12/15/2021 | 23:15:00 - 23:30:00 | 25 | 29 | 25 | Offline | 29 | 23.0 | 162.8 | 16.8 | 86.0 | 981.7 |
| 12/15/2021 | 23:30:00 - 23:45:00 | 24 | 28 | 24 | Offline | 28 | 23.0 | 165.3 | 17.0 | 85.1 | 981.4 |
| 12/16/2021 | 23:45:00 - 00:00:00 | 24 | 28 | 24 | Offline | 28 | 25.2 | 164.4 | 17.1 | 85.0 | 981.3 |
| 12/16/2021 | 00:00:00 - 00:15:00 | 24 | 28 | 24 | Offline | 28 | 26.5 | 165.1 | 17.2 | 85.0 | 981.1 |
| 12/16/2021 | 00:15:00 - 00:30:00 | 24 | 28 | 24 | Offline | 28 | 23.1 | 165.2 | 17.2 | 85.0 | 981.0 |
| 12/16/2021 | 00:30:00 - 00:45:00 | 24 | 27 | 24 | Offline | 27 | 24.6 | 162.9 | 17.2 | 84.1 | 980.8 |
| 12/16/2021 | 00:45:00 - 01:00:00 | 24 | 27 | 24 | Offline | 27 | 25.5 | 165.9 | 17.2 | 84.0 | 980.6 |
| 12/16/2021 | 01:00:00 - 01:15:00 | 24 | 27 | 24 | Offline | 27 | 24.2 | 165.7 | 17.0 | 84.0 | 980.7 |
| 12/16/2021 | 01:15:00 - 01:30:00 | 23 | 27 | 23 | Offline | 27 | 26.0 | 166.0 | 16.8 | 84.0 | 980.7 |
| 12/16/2021 | 01:30:00 - 01:45:00 | 23 | 27 | 23 | Offline | 27 | 23.7 | 162.5 | 16.8 | 84.0 | 980.6 |
| 12/16/2021 | 01:45:00 - 02:00:00 | 23 | 27 | 23 | Offline | 27 | 26.6 | 164.5 | 17.0 | 83.0 | 980.6 |
| 12/16/2021 | 02:00:00 - 02:15:00 | 23 | 27 | 23 | Offline | 27 | 25.0 | 162.7 | 17.2 | 82.4 | 980.9 |
| 12/16/2021 | 02:15:00 - 02:30:00 | 23 | 27 | 23 | Offline | 27 | 26.7 | 159.9 | 16.9 | 84.9 | 981.3 |
| 12/16/2021 | 02:30:00 - 02:45:00 | 23 | 27 | 23 | Offline | 27 | 19.0 | 157.1 | 16.0 | 90.0 | 981.7 |
| 12/16/2021 | 02:45:00 - 03:00:00 | 24 | 28 | 23 | Offline | 28 | 14.7 | 119.2 | 15.4 | 93.4 | 982.4 |
| 12/16/2021 | 03:00:00 - 03:15:00 | 24 | 29 | 24 | Offline | 29 | 17.3 | 107.5 | 14.3 | 95.7 | 982.7 |
| 12/16/2021 | 03:15:00 - 03:30:00 | 25 | 30 | 24 | Offline | 30 | 16.2 | 122.5 | 13.9 | 91.2 | 982.9 |
| 12/16/2021 | 03:30:00 - 03:45:00 | 26 | 31 | 24 | Offline | 31 | 16.7 | 133.4 | 13.9 | 89.9 | 982.7 |
| 12/16/2021 | 03:45:00 - 04:00:00 | 26 | 32 | 25 | Offline | 32 | 12.9 | 133.9 | 14.0 | 87.8 | 982.5 |
| 12/16/2021 | 04:00:00 - 04:15:00 | 27 | 33 | 25 | Offline | 33 | 13.0 | 146.4 | 14.1 | 84.6 | 982.6 |
| 12/16/2021 | 04:15:00 - 04:30:00 | 27 | 34 | 25 | Offline | 34 | 14.7 | 151.9 | 14.1 | 81.4 | 982.7 |
| 12/16/2021 | 04:30:00 - 04:45:00 | 28 | 35 | 26 | Offline | 35 | 15.6 | 155.3 | 14.3 | 76.2 | 982.4 |
| 12/16/2021 | 04:45:00 - 05:00:00 | 29 | 36 | 26 | Offline | 36 | 18.3 | 158.1 | 14.5 | 72.0 | 982.2 |
| 12/16/2021 | 05:00:00 - 05:15:00 | 29 | 37 | 27 | Offline | 37 | 20.0 | 161.4 | 14.6 | 70.5 | 982.2 |
| 12/16/2021 | 05:15:00 - 05:30:00 | 30 | 38 | 27 | Offline | 39 | 16.5 | 158.0 | 14.2 | 73.5 | 982.6 |
| 12/16/2021 | 05:30:00 - 05:45:00 | 31 | 39 | 28 | Offline | 40 | 13.8 | 152.6 | 14.1 | 74.3 | 983.0 |
| 12/16/2021 | 05:45:00 - 06:00:00 | 31 | 41 | 28 | Offline | 41 | 11.0 | 144.0 | 14.1 | 72.7 | 983.4 |
| 12/16/2021 | 06:00:00 - 06:15:00 | 32 | 42 | 28 | Offline | 42 | 12.5 | 137.2 | 14.6 | 67.5 | 983.6 |
| 12/16/2021 | 06:15:00 - 06:30:00 | 33 | 43 | 29 | Offline | 43 | 16.2 | 152.8 | 14.4 | 68.9 | 983.6 |
| 12/16/2021 | 06:30:00 - 06:45:00 | 33 | 44 | 29 | Offline | 44 | 15.5 | 142.6 | 13.8 | 73.6 | 983.9 |
| 12/16/2021 | 06:45:00 - 07:00:00 | 34 | 44 | 29 | Offline | 45 | 14.8 | 144.1 | 13.4 | 77.4 | 983.9 |
| 12/16/2021 | 07:00:00 - 07:15:00 | 34 | 45 | 30 | Offline | 45 | 13.5 | 145.7 | 12.4 | 85.3 | 983.8 |
| 12/16/2021 | 07:15:00 - 07:30:00 | 35 | 46 | 30 | 97 | 46 | 12.4 | 143.6 | 11.9 | 88.8 | 984.1 |
| 12/16/2021 | 07:30:00 - 07:45:00 | 36 | 47 | 33 | 103 | 82 | 12.9 | 148.1 | 12.0 | 89.0 | 984.1 |
| 12/16/2021 | 07:45:00 - 08:00:00 | 72 | 77 | 51 | 102 | 95 | 11.0 | 136.6 | 11.7 | 91.0 | 984.2 |
| 12/16/2021 | 08:00:00 - 08:15:00 | 70 | 92 | 51 | 101 | 94 | 11.1 | 141.2 | 11.5 | 92.1 | 984.4 |
| 12/16/2021 | 08:15:00 - 08:30:00 | 63 | 81 | 48 | 94 | 87 | 11.3 | 135.1 | 11.3 | 93.7 | 984.8 |
| 12/16/2021 | 08:30:00 - 08:45:00 | 52 | 64 | 41 | 80 | 73 | 13.7 | 114.4 | 11.3 | 93.6 | 985.0 |
| 12/16/2021 | 08:45:00 - 09:00:00 | 45 | 54 | 37 | 70 | 63 | 11.9 | 79.7 | 10.4 | 83.3 | 985.3 |
| 12/16/2021 | 09:00:00 - 09:15:00 | 40 | 47 | 33 | 62 | 55 | 9.2 | 99.0 | 9.9 | 78.8 | 985.5 |
| 12/16/2021 | 09:15:00 - 09:30:00 | 36 | 42 | 31 | 57 | 50 | 11.1 | 86.0 | 9.8 | 75.6 | 985.8 |
| 12/16/2021 | 09:30:00 - 09:45:00 | 33 | 39 | 29 | 53 | 46 | 15.2 | 87.9 | 8.7 | 78.5 | 986.2 |
| 12/16/2021 | 09:45:00 - 10:00:00 | 31 | 37 | 28 | 50 | 43 | 17.6 | 77.6 | 8.0 | 76.5 | 986.8 |
| 12/16/2021 | 10:00:00 - 10:15:00 | 30 | 35 | 27 | 47 | 41 | 17.5 | 72.3 | 7.3 | 76.6 | 987.2 |
| 12/16/2021 | 10:15:00 - 10:30:00 | 29 | 34 | 26 | 45 | 39 | 12.7 | 83.7 | 7.2 | 76.4 | 987.2 |
| 12/16/2021 | 10:30:00 - 10:45:00 | 28 | 33 | 26 | 44 | 38 | 17.2 | 85.3 | 7.1 | 74.9 | 987.5 |
| 12/16/2021 | 10:45:00 - 11:00:00 | 27 | 33 | 25 | 42 | 37 | 14.5 | 98.2 | 7.2 | 74.3 | 987.5 |
| 12/16/2021 | 11:00:00 - 11:15:00 | 26 | 32 | 25 | 41 | 36 | 16.3 | 88.7 | 7.4 | 73.7 | 987.5 |
| 12/16/2021 | 11:15:00 - 11:30:00 | 26 | 31 | 25 | 41 | 35 | 14.8 | 101.8 | 7.5 | 73.5 | 987.6 |
| 12/16/2021 | 11:30:00 - 11:45:00 | 25 | 31 | 24 | 40 | 34 | 18.8 | 101.0 | 7.5 | 71.1 | 987.7 |
| 12/16/2021 | 11:45:00 - 12:00:00 | 25 | 31 | 24 | 39 | 33 | 17.9 | 89.2 | 7.5 | 70.3 | 987.8 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 12/16/2021 | 12:00:00 - 12:15:00 | Offline | 31 | Offline | 39 | 33 | 16.7 | 96.5 | 7.4 | 68.6 | 987.9 |
| 12/16/2021 | 12:15:00 - 12:30:00 | 23 | 30 | 23 | 38 | 32 | 16.1 | 81.4 | 7.6 | 69.0 | 988.1 |
| 12/16/2021 | 12:30:00 - 12:45:00 | 23 | 30 | 23 | 37 | 32 | Offline | Offline | Offline | Offline | Offline |
| 12/16/2021 | 12:45:00 - 13:00:00 | 24 | 30 | 25 | 37 | 32 | 14.1 | 100.1 | 7.8 | 68.0 | 988.4 |
| 12/16/2021 | 13:00:00 - 13:15:00 | 24 | 30 | 25 | 37 | 31 | 11.8 | 96.0 | 7.9 | 69.2 | 988.3 |
| 12/16/2021 | 13:15:00 - 13:30:00 | 24 | 29 | 24 | 36 | 31 | 15.9 | 97.8 | 7.9 | 67.8 | 988.4 |
| 12/16/2021 | 13:30:00 - 13:45:00 | 23 | 29 | 24 | 36 | 31 | 16.1 | 77.5 | 7.9 | 64.4 | 988.6 |
| 12/16/2021 | 13:45:00 - 14:00:00 | 21 | 29 | 20 | 35 | 30 | 14.1 | 88.4 | 8.1 | 66.9 | 988.8 |
| 12/16/2021 | 14:00:00 - 14:15:00 | 15 | 26 | 15 | 35 | 30 | 18.9 | 82.0 | 8.0 | 62.9 | 988.8 |
| 12/16/2021 | 14:15:00 - 14:30:00 | 14 | 17 | 15 | 34 | 29 | 18.6 | 77.8 | 7.8 | 60.3 | 989.0 |
| 12/16/2021 | 14:30:00 - 14:45:00 | 15 | 17 | 16 | 34 | 29 | 18.9 | 71.0 | 7.7 | 60.0 | 989.4 |
| 12/16/2021 | 14:45:00 - 15:00:00 | 15 | 17 | 16 | 33 | 28 | 17.6 | 71.2 | 7.6 | 59.5 | 989.6 |
| 12/16/2021 | 15:00:00 - 15:15:00 | 15 | 17 | 16 | 33 | 28 | 17.1 | 70.9 | 7.6 | 58.6 | 989.9 |
| 12/16/2021 | 15:15:00 - 15:30:00 | 15 | 17 | 16 | 32 | 27 | 17.5 | 77.1 | 7.4 | 58.4 | 990.2 |
| 12/16/2021 | 15:30:00 - 15:45:00 | 14 | 16 | 16 | 32 | 27 | 16.1 | 76.4 | 7.1 | 58.4 | 990.6 |
| 12/16/2021 | 15:45:00 - 16:00:00 | 14 | 16 | 16 | 32 | 26 | 18.7 | 74.5 | 6.9 | 59.6 | 990.9 |
| 12/16/2021 | 16:00:00 - 16:15:00 | 13 | 16 | 15 | 31 | 26 | 19.3 | 69.8 | 6.7 | 60.1 | 991.1 |
| 12/16/2021 | 16:15:00 - 16:30:00 | 13 | 17 | 15 | 31 | 26 | 15.0 | 71.1 | 6.5 | 59.2 | 991.3 |
| 12/16/2021 | 16:30:00 - 16:45:00 | 13 | 17 | 15 | 31 | 26 | 13.7 | 80.9 | 6.2 | 61.0 | 991.4 |
| 12/16/2021 | 16:45:00 - 17:00:00 | 13 | 17 | 15 | 30 | 25 | 12.7 | 78.9 | 5.9 | 62.6 | 991.6 |
| 12/16/2021 | 17:00:00 - 17:15:00 | 12 | 17 | 15 | 30 | 25 | 11.0 | 74.3 | 5.6 | 62.6 | 991.8 |
| 12/16/2021 | 17:15:00 - 17:30:00 | 12 | 17 | 15 | 30 | 25 | 10.6 | 74.4 | 5.3 | 63.3 | 991.9 |
| 12/16/2021 | 17:30:00 - 17:45:00 | 12 | 17 | 15 | 29 | 24 | 10.4 | 86.3 | 5.2 | 63.4 | 992.0 |
| 12/16/2021 | 17:45:00 - 18:00:00 | 12 | 17 | 15 | 29 | 24 | 9.0 | 77.3 | 4.9 | 64.6 | 992.2 |
| 12/16/2021 | 18:00:00 - 18:15:00 | 12 | 17 | 15 | 29 | 24 | 8.0 | 83.0 | 4.8 | 65.2 | 992.4 |
| 12/16/2021 | 18:15:00 - 18:30:00 | 12 | 17 | 15 | 29 | 24 | 6.9 | 90.3 | 4.4 | 66.6 | 992.5 |
| 12/16/2021 | 18:30:00 - 18:45:00 | 12 | 17 | 15 | 29 | 24 | 8.0 | 88.5 | 4.2 | 67.2 | 992.5 |
| 12/16/2021 | 18:45:00 - 19:00:00 | 12 | 17 | 15 | 28 | 23 | 7.6 | 92.6 | 4.1 | 67.8 | 992.7 |
| 12/16/2021 | 19:00:00 - 19:15:00 | 11 | 17 | 15 | 28 | 23 | 4.9 | 99.5 | 3.7 | 69.6 | 993.0 |
| 12/16/2021 | 19:15:00 - 19:30:00 | 11 | 17 | 15 | 28 | 23 | 5.8 | 89.5 | 3.4 | 71.0 | 993.2 |
| 12/16/2021 | 19:30:00 - 19:45:00 | 11 | 17 | 15 | 28 | 23 | 7.1 | 85.3 | 3.3 | 71.7 | 993.5 |
| 12/16/2021 | 19:45:00 - 20:00:00 | 11 | 17 | 15 | 28 | 23 | 5.2 | 90.9 | 3.1 | 72.0 | 993.7 |
| 12/16/2021 | 20:00:00 - 20:15:00 | 11 | 17 | 15 | 27 | 23 | 5.8 | 78.0 | 3.0 | 71.8 | 993.9 |
| 12/16/2021 | 20:15:00 - 20:30:00 | 11 | 17 | 15 | 27 | 22 | 6.2 | 83.6 | 3.2 | 71.0 | 994.0 |
| 12/16/2021 | 20:30:00 - 20:45:00 | 11 | 17 | 15 | 27 | 22 | 4.1 | 73.1 | 2.9 | 72.6 | 994.2 |
| 12/16/2021 | 20:45:00 - 21:00:00 | 11 | 17 | 15 | 27 | 22 | 6.4 | 81.8 | 2.6 | 73.8 | 994.2 |
| 12/16/2021 | 21:00:00 - 21:15:00 | 11 | 17 | 15 | 27 | 22 | 7.0 | 82.5 | 2.9 | 71.8 | 994.5 |
| 12/16/2021 | 21:15:00 - 21:30:00 | 11 | 17 | 15 | 27 | 22 | 6.5 | 81.9 | 2.8 | 71.5 | 994.6 |
| 12/16/2021 | 21:30:00 - 21:45:00 | 11 | 17 | 15 | 27 | 22 | 6.6 | 78.0 | 2.5 | 73.0 | 994.6 |
| 12/16/2021 | 21:45:00 - 22:00:00 | 11 | 17 | 15 | 27 | 22 | 6.1 | 77.5 | 2.4 | 73.0 | 994.6 |
| 12/16/2021 | 22:00:00 - 22:15:00 | 11 | 17 | 15 | 26 | 22 | 7.3 | 74.4 | 2.3 | 73.0 | 994.5 |
| 12/16/2021 | 22:15:00 - 22:30:00 | 11 | 17 | 15 | 26 | 21 | 8.6 | 65.2 | 2.4 | 72.0 | 994.6 |
| 12/16/2021 | 22:30:00 - 22:45:00 | 11 | 17 | 15 | 26 | 21 | 6.8 | 53.5 | 2.2 | 72.0 | 994.6 |
| 12/16/2021 | 22:45:00 - 23:00:00 | 11 | 17 | 14 | 26 | 21 | 5.8 | 54.8 | 1.9 | 72.0 | 994.8 |
| 12/16/2021 | 23:00:00 - 23:15:00 | 10 | 17 | 14 | 26 | 21 | 5.6 | 65.3 | 1.7 | 72.3 | 995.0 |
| 12/16/2021 | 23:15:00 - 23:30:00 | 10 | 17 | 14 | 26 | 21 | 4.5 | 68.9 | 1.4 | 73.1 | 995.4 |
| 12/16/2021 | 23:30:00 - 23:45:00 | 10 | 17 | 14 | 26 | 21 | 2.4 | 31.5 | 0.7 | 75.8 | 995.7 |
| 12/17/2021 | 23:45:00 - 00:00:00 | 10 | 17 | 14 | 25 | 21 | 2.9 | 90.4 | 0.0 | 79.4 | 995.7 |
| 12/17/2021 | 00:00:00 - 00:15:00 | 10 | 17 | 14 | 25 | 21 | 2.4 | 89.8 | -0.3 | 81.3 | 995.6 |
| 12/17/2021 | 00:15:00 - 00:30:00 | 10 | 17 | 14 | 25 | 21 | 2.1 | 70.6 | -0.6 | 82.7 | 995.7 |
| 12/17/2021 | 00:30:00 - 00:45:00 | 10 | 17 | 14 | 25 | 21 | 3.1 | 21.4 | -0.9 | 84.4 | 995.6 |
| 12/17/2021 | 00:45:00 - 01:00:00 | 10 | 17 | 14 | 25 | 20 | 3.0 | 31.0 | -1.3 | 85.6 | 995.5 |
| 12/17/2021 | 01:00:00 - 01:15:00 | 11 | 17 | 14 | 25 | 20 | 2.4 | 61.0 | -1.5 | 87.5 | 995.5 |
| 12/17/2021 | 01:15:00 - 01:30:00 | 11 | 17 | 14 | 25 | 20 | 2.1 | 32.3 | -1.8 | 88.3 | 995.6 |
| 12/17/2021 | 01:30:00 - 01:45:00 | 11 | 17 | 14 | 25 | 20 | 2.2 | 44.0 | -1.9 | 89.7 | 995.6 |
| 12/17/2021 | 01:45:00 - 02:00:00 | 11 | 17 | 15 | 25 | 20 | 2.6 | 64.8 | -1.9 | 90.6 | 995.8 |
| 12/17/2021 | 02:00:00 - 02:15:00 | 11 | 18 | 15 | 25 | 20 | 2.0 | 36.6 | -2.0 | 89.6 | 995.9 |
| 12/17/2021 | 02:15:00 - 02:30:00 | 11 | 18 | 15 | 25 | 20 | 1.6 | 33.8 | -2.3 | 91.2 | 996.1 |
| 12/17/2021 | 02:30:00 - 02:45:00 | 11 | 18 | 15 | 25 | 20 | 2.5 | 23.5 | -2.4 | 92.5 | 996.1 |
| 12/17/2021 | 02:45:00 - 03:00:00 | 11 | 18 | 15 | 25 | 20 | 1.6 | 74.8 | -2.6 | 93.0 | 996.0 |
| 12/17/2021 | 03:00:00 - 03:15:00 | 11 | 18 | 15 | 25 | 20 | 2.1 | 67.2 | -2.6 | 93.9 | 996.2 |
| 12/17/2021 | 03:15:00 - 03:30:00 | 12 | 18 | 15 | 25 | 20 | 1.8 | 43.5 | -2.7 | 94.0 | 996.2 |
| 12/17/2021 | 03:30:00 - 03:45:00 | 12 | 18 | 15 | 25 | 20 | 1.9 | 56.8 | -2.9 | 94.5 | 996.2 |
| 12/17/2021 | 03:45:00 - 04:00:00 | 12 | 18 | 15 | 25 | 20 | 2.2 | 65.2 | -2.9 | 95.3 | 996.2 |
| 12/17/2021 | 04:00:00 - 04:15:00 | 12 | 19 | 15 | 25 | 20 | 1.9 | 87.9 | -3.0 | 95.6 | 996.3 |
| 12/17/2021 | 04:15:00 - 04:30:00 | 12 | 19 | 15 | 25 | 20 | 1.4 | 59.7 | -3.0 | 96.0 | 996.2 |
| 12/17/2021 | 04:30:00 - 04:45:00 | 12 | 19 | 15 | 25 | 20 | 1.9 | 86.8 | -3.2 | 96.0 | 996.2 |
| 12/17/2021 | 04:45:00 - 05:00:00 | 12 | 19 | 16 | 25 | 20 | 1.5 | 67.1 | -3.4 | 96.3 | 996.1 |
| 12/17/2021 | 05:00:00 - 05:15:00 | 13 | 19 | 16 | 25 | 20 | 1.5 | 38.1 | -3.3 | 97.0 | 996.1 |
| 12/17/2021 | 05:15:00 - 05:30:00 | 13 | 19 | 16 | 25 | 21 | 2.2 | 65.9 | -3.3 | 97.0 | 996.1 |
| 12/17/2021 | 05:30:00 - 05:45:00 | 13 | 19 | 16 | 25 | 21 | 2.1 | 101.6 | -3.6 | 97.0 | 996.1 |
| 12/17/2021 | 05:45:00 - 06:00:00 | 13 | 19 | 16 | 25 | 21 | 1.4 | 66.6 | -3.8 | 97.3 | 996.1 |
| 12/17/2021 | 06:00:00 - 06:15:00 | 13 | 19 | 16 | 25 | 21 | 2.0 | 51.7 | -3.4 | 97.5 | 996.3 |
| 12/17/2021 | 06:15:00 - 06:30:00 | 13 | 20 | 16 | 26 | 21 | 1.6 | 72.9 | -3.7 | 96.8 | 996.3 |
| 12/17/2021 | 06:30:00 - 06:45:00 | 14 | 20 | 16 | 26 | 21 | 2.2 | 38.3 | -3.5 | 97.0 | 996.3 |
| 12/17/2021 | 06:45:00 - 07:00:00 | 14 | 20 | 17 | 26 | 21 | 1.5 | 105.0 | -3.8 | 96.6 | 996.3 |
| 12/17/2021 | 07:00:00 - 07:15:00 | 14 | 20 | 17 | 26 | 21 | 2.2 | 60.0 | -3.8 | 97.0 | 996.5 |
| 12/17/2021 | 07:15:00 - 07:30:00 | 14 | 20 | 17 | 26 | 21 | 2.8 | 77.4 | -3.6 | 96.5 | 996.6 |
| 12/17/2021 | 07:30:00 - 07:45:00 | 14 | 20 | 17 | 26 | 22 | 2.4 | 71.0 | -3.2 | 94.1 | 996.6 |
| 12/17/2021 | 07:45:00 - 08:00:00 | 14 | 20 | 17 | 26 | 22 | 3.0 | 32.6 | -2.7 | 91.0 | 996.7 |
| 12/17/2021 | 08:00:00 - 08:15:00 | 14 | 20 | 17 | 26 | 22 | 4.1 | 30.9 | -2.1 | 86.7 | 996.8 |
| 12/17/2021 | 08:15:00 - 08:30:00 | 14 | 20 | 17 | 26 | 22 | 6.1 | 25.5 | -1.2 | 78.8 | 997.0 |
| 12/17/2021 | 08:30:00 - 08:45:00 | 14 | 20 | 19 | 26 | 22 | 7.2 | 22.0 | -0.8 | 74.1 | 997.1 |
| 12/17/2021 | 08:45:00 - 09:00:00 | 12 | 19 | 18 | 35 | 34 | 8.8 | 24.6 | -0.7 | 73.3 | 996.9 |
| 12/17/2021 | 09:00:00 - 09:15:00 | 11 | 18 | 16 | 70 | 41 | 6.0 | 38.3 | -0.7 | 74.2 | 997.0 |
| 12/17/2021 | 09:15:00 - 09:30:00 | 10 | 18 | 16 | 72 | 40 | 7.9 | 47.8 | -0.5 | 73.9 | 997.2 |
| 12/17/2021 | 09:30:00 - 09:45:00 | 10 | 17 | 15 | 57 | 36 | 9.0 | 52.3 | -0.4 | 73.8 | 997.3 |
| 12/17/2021 | 09:45:00 - 10:00:00 | 10 | 17 | 15 | 48 | 32 | 8.4 | 74.0 | -0.1 | 73.1 | 997.7 |
| 12/17/2021 | 10:00:00 - 10:15:00 | 9 | 17 | 15 | 42 | 29 | 9.0 | 76.8 | 0.2 | 71.6 | 998.0 |
| 12/17/2021 | 10:15:00 - 10:30:00 | 9 | 17 | 14 | 38 | 27 | 11.5 | 81.1 | 0.7 | 70.3 | 998.0 |
| 12/17/2021 | 10:30:00 - 10:45:00 | 9 | 17 | 14 | 35 | 26 | 14.3 | 81.3 | 0.7 | 68.2 | 997.7 |
| 12/17/2021 | 10:45:00 - 11:00:00 | 9 | 16 | 14 | 33 | 25 | 15.5 | 78.6 | 0.9 | 68.1 | 997.3 |
| 12/17/2021 | 11:00:00 - 11:15:00 | 9 | 16 | 14 | 31 | 24 | 12.8 | 78.6 | 1.1 | 67.2 | 997.4 |
| 12/17/2021 | 11:15:00 - 11:30:00 | 7 | 16 | 12 | 30 | 24 | 12.7 | 83.1 | 1.2 | 66.9 | 997.0 |
| 12/17/2021 | 11:30:00 - 11:45:00 | 7 | 16 | 12 | 21 | 12 | 13.7 | 79.8 | 1.4 | 68.3 | 996.5 |
| 12/17/2021 | 11:45:00 - 12:00:00 | 7 | 15 | 12 | 17 | 13 | 13.8 | 76.2 | 1.6 | 67.5 | 996.0 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 12/17/2021 | 12:00:00 - 12:15:00 | 7 | 14 | 12 | 82 | 13 | 15.2 | 96.7 | 1.7 | 68.6 | 995.9 |
| 12/17/2021 | 12:15:00 - 12:30:00 | 7 | 14 | 12 | 103 | 12 | 14.6 | 83.3 | 1.9 | 67.8 | 995.6 |
| 12/17/2021 | 12:30:00 - 12:45:00 | 7 | 14 | 12 | 81 | 12 | 18.5 | 97.3 | 2.0 | 65.8 | 995.4 |
| 12/17/2021 | 12:45:00 - 13:00:00 | 7 | 14 | 12 | 75 | 12 | 15.5 | 86.2 | 2.1 | 65.2 | 995.1 |
| 12/17/2021 | 13:00:00 - 13:15:00 | 6 | 13 | 11 | 65 | 12 | 12.2 | 79.4 | 2.2 | 66.5 | 994.9 |
| 12/17/2021 | 13:15:00 - 13:30:00 | 6 | 13 | 11 | 57 | 11 | 14.3 | 83.4 | 2.3 | 66.0 | 994.5 |
| 12/17/2021 | 13:30:00 - 13:45:00 | 6 | 13 | 11 | 52 | 11 | 15.1 | 78.4 | 2.3 | 65.3 | 994.2 |
| 12/17/2021 | 13:45:00 - 14:00:00 | 6 | 13 | 11 | 48 | 11 | 16.5 | 87.0 | 2.4 | 62.7 | 994.0 |
| 12/17/2021 | 14:00:00 - 14:15:00 | 6 | 12 | 11 | 44 | 11 | 12.3 | 82.8 | 2.4 | 62.3 | 994.1 |
| 12/17/2021 | 14:15:00 - 14:30:00 | 6 | 12 | 11 | 41 | 11 | 12.6 | 80.9 | 2.4 | 63.5 | 994.1 |
| 12/17/2021 | 14:30:00 - 14:45:00 | 6 | 12 | 10 | 40 | 11 | 9.9 | 88.9 | 2.6 | 62.8 | 994.6 |
| 12/17/2021 | 14:45:00 - 15:00:00 | 6 | 13 | 11 | 41 | 11 | 14.0 | 85.7 | 2.6 | 63.6 | 993.8 |
| 12/17/2021 | 15:00:00 - 15:15:00 | 6 | 13 | 11 | 39 | 11 | 13.6 | 92.8 | 2.5 | 64.5 | 993.7 |
| 12/17/2021 | 15:15:00 - 15:30:00 | 6 | 13 | 11 | 37 | 11 | 13.9 | 85.8 | 2.2 | 69.2 | 993.5 |
| 12/17/2021 | 15:30:00 - 15:45:00 | 6 | 13 | 11 | 36 | 11 | 11.0 | 96.3 | 2.0 | 74.1 | 993.6 |
| 12/17/2021 | 15:45:00 - 16:00:00 | 6 | 13 | 11 | 35 | 11 | 9.5 | 98.4 | 1.9 | 76.8 | 993.5 |
| 12/17/2021 | 16:00:00 - 16:15:00 | 6 | 13 | 11 | 33 | 11 | 14.4 | 104.0 | 1.9 | 76.7 | 993.3 |
| 12/17/2021 | 16:15:00 - 16:30:00 | 6 | 13 | 11 | 32 | 11 | 15.6 | 111.3 | 2.0 | 76.5 | 993.2 |
| 12/17/2021 | 16:30:00 - 16:45:00 | 6 | 13 | 11 | 31 | 11 | 18.4 | 99.8 | 2.0 | 76.5 | 992.9 |
| 12/17/2021 | 16:45:00 - 17:00:00 | 6 | 13 | 11 | 31 | 11 | 14.5 | 96.8 | 2.0 | 75.7 | 992.9 |
| 12/17/2021 | 17:00:00 - 17:15:00 | 6 | 13 | 11 | 30 | 12 | 15.2 | 100.3 | 2.0 | 75.7 | 993.0 |
| 12/17/2021 | 17:15:00 - 17:30:00 | 6 | 14 | 11 | 30 | 12 | 15.5 | 100.7 | 2.0 | 76.9 | 993.0 |
| 12/17/2021 | 17:30:00 - 17:45:00 | 6 | 14 | 11 | 29 | 12 | 16.6 | 100.8 | 2.1 | 77.3 | 993.0 |
| 12/17/2021 | 17:45:00 - 18:00:00 | 6 | 14 | 11 | 29 | 12 | 14.4 | 96.1 | 2.1 | 77.4 | 993.0 |
| 12/17/2021 | 18:00:00 - 18:15:00 | 7 | 14 | 11 | 28 | 12 | 15.5 | 96.6 | 2.1 | 77.3 | 992.8 |
| 12/17/2021 | 18:15:00 - 18:30:00 | 7 | 14 | 11 | 28 | 12 | 15.0 | 100.3 | 2.1 | 78.0 | 992.5 |
| 12/17/2021 | 18:30:00 - 18:45:00 | 7 | 14 | 12 | 27 | 12 | 15.3 | 100.6 | 2.1 | 78.5 | 992.5 |
| 12/17/2021 | 18:45:00 - 19:00:00 | 7 | 14 | 12 | 27 | 12 | 16.6 | 100.1 | 2.1 | 78.9 | 992.4 |
| 12/17/2021 | 19:00:00 - 19:15:00 | 7 | 14 | 12 | 27 | 12 | 17.0 | 100.9 | 2.2 | 79.7 | 992.3 |
| 12/17/2021 | 19:15:00 - 19:30:00 | 7 | 14 | 12 | 27 | 12 | 18.0 | 102.6 | 2.2 | 80.7 | 992.3 |
| 12/17/2021 | 19:30:00 - 19:45:00 | 7 | 15 | 12 | 26 | 13 | 15.1 | 101.7 | 2.0 | 83.7 | 992.2 |
| 12/17/2021 | 19:45:00 - 20:00:00 | 7 | 15 | 12 | 26 | 13 | 18.9 | 102.5 | 1.8 | 85.9 | 992.1 |
| 12/17/2021 | 20:00:00 - 20:15:00 | 7 | 15 | 12 | 26 | 13 | 15.5 | 111.0 | 1.6 | 89.4 | 992.0 |
| 12/17/2021 | 20:15:00 - 20:30:00 | 7 | 15 | 12 | 26 | 13 | 17.1 | 103.9 | 1.5 | 92.3 | 991.6 |
| 12/17/2021 | 20:30:00 - 20:45:00 | 8 | 15 | 12 | 26 | 13 | 15.1 | 100.2 | 1.5 | 93.5 | 991.6 |
| 12/17/2021 | 20:45:00 - 21:00:00 | 8 | 16 | 13 | 26 | 14 | 14.9 | 91.0 | 1.4 | 95.2 | 991.4 |
| 12/17/2021 | 21:00:00 - 21:15:00 | 8 | 16 | 13 | 26 | 14 | 16.9 | 102.4 | 1.4 | 96.8 | 991.1 |
| 12/17/2021 | 21:15:00 - 21:30:00 | 8 | 16 | 13 | 26 | 14 | 17.6 | 100.6 | 1.4 | 97.9 | 990.7 |
| 12/17/2021 | 21:30:00 - 21:45:00 | 8 | 16 | 13 | 26 | 14 | 17.9 | 98.0 | 1.5 | 98.0 | 990.5 |
| 12/17/2021 | 21:45:00 - 22:00:00 | 9 | 17 | 13 | 26 | 15 | 17.2 | 103.1 | 1.6 | 98.0 | 990.3 |
| 12/17/2021 | 22:00:00 - 22:15:00 | 9 | 17 | 14 | 26 | 15 | 18.2 | 103.5 | 1.6 | 98.4 | 989.7 |
| 12/17/2021 | 22:15:00 - 22:30:00 | 9 | 17 | 14 | 26 | 15 | 17.5 | 105.1 | 1.6 | 99.0 | 989.7 |
| 12/17/2021 | 22:30:00 - 22:45:00 | 9 | 17 | 14 | 26 | 15 | 19.0 | 105.7 | 1.7 | 99.4 | 989.6 |
| 12/17/2021 | 22:45:00 - 23:00:00 | 9 | 17 | 14 | 27 | 15 | 19.7 | 105.4 | 1.8 | 100.0 | 989.4 |
| 12/17/2021 | 23:00:00 - 23:15:00 | 10 | 18 | 14 | 27 | 16 | 21.8 | 103.8 | 1.8 | 100.0 | 989.2 |
| 12/17/2021 | 23:15:00 - 23:30:00 | 10 | 18 | 14 | 27 | 16 | 22.1 | 101.6 | 1.9 | 100.0 | 989.1 |
| 12/17/2021 | 23:30:00 - 23:45:00 | 10 | 18 | 15 | 27 | 16 | 21.3 | 100.9 | 1.9 | 100.0 | 988.9 |
| 12/18/2021 | 23:45:00 - 00:00:00 | 10 | 18 | 15 | 27 | 16 | 19.3 | 107.4 | 2.0 | 100.0 | 988.8 |
| 12/18/2021 | 00:00:00 - 00:15:00 | 10 | 18 | 15 | 27 | 16 | 16.9 | 107.5 | 2.1 | 100.0 | 988.6 |
| 12/18/2021 | 00:15:00 - 00:30:00 | 10 | 18 | 15 | 27 | 16 | 13.8 | 116.4 | 2.1 | 100.0 | 988.6 |
| 12/18/2021 | 00:30:00 - 00:45:00 | 11 | 19 | 15 | 27 | 16 | 12.6 | 99.3 | 2.1 | 100.0 | 988.3 |
| 12/18/2021 | 00:45:00 - 01:00:00 | 11 | 19 | 15 | 27 | 16 | 15.2 | 99.5 | 2.1 | 100.0 | 987.9 |
| 12/18/2021 | 01:00:00 - 01:15:00 | 11 | 19 | 15 | 27 | 16 | 14.9 | 94.7 | 2.1 | 100.0 | 987.4 |
| 12/18/2021 | 01:15:00 - 01:30:00 | 11 | 19 | 15 | 27 | 16 | 25.1 | 86.2 | 2.1 | 100.0 | 987.7 |
| 12/18/2021 | 01:30:00 - 01:45:00 | 11 | 19 | 15 | 27 | 16 | 112.0 | 120.4 | 2.2 | 100.0 | 987.8 |
| 12/18/2021 | 01:45:00 - 02:00:00 | 11 | 19 | 15 | 27 | 16 | 177.3 | 48.4 | 2.2 | 100.0 | 987.4 |
| 12/18/2021 | 02:00:00 - 02:15:00 | 11 | 19 | 15 | 27 | 16 | 178.1 | 49.7 | 2.3 | 100.0 | 987.5 |
| 12/18/2021 | 02:15:00 - 02:30:00 | 11 | 19 | 15 | 26 | 16 | 157.9 | 55.5 | 2.2 | 100.0 | 987.5 |
| 12/18/2021 | 02:30:00 - 02:45:00 | 10 | 18 | 15 | 26 | 16 | 186.6 | 46.7 | 2.2 | 100.0 | 986.9 |
| 12/18/2021 | 02:45:00 - 03:00:00 | 10 | 18 | 15 | 26 | 16 | 108.8 | 140.0 | 2.2 | 100.0 | 986.6 |
| 12/18/2021 | 03:00:00 - 03:15:00 | 10 | 18 | 15 | 26 | 16 | 152.3 | 8.7 | 2.3 | 100.0 | 986.8 |
| 12/18/2021 | 03:15:00 - 03:30:00 | 10 | 18 | 15 | 26 | 16 | 160.7 | 10.1 | 2.3 | 100.0 | 986.8 |
| 12/18/2021 | 03:30:00 - 03:45:00 | 10 | 18 | 14 | 25 | 16 | 173.4 | 10.2 | 2.4 | 100.0 | 986.6 |
| 12/18/2021 | 03:45:00 - 04:00:00 | 10 | 18 | 14 | 25 | 16 | 95.5 | 156.1 | 2.4 | 100.0 | 986.4 |
| 12/18/2021 | 04:00:00 - 04:15:00 | 10 | 18 | 14 | 25 | 16 | 108.1 | 166.1 | 2.4 | 100.0 | 986.3 |
| 12/18/2021 | 04:15:00 - 04:30:00 | 10 | 18 | 14 | 25 | 15 | 132.7 | 114.6 | 2.5 | 100.0 | 986.2 |
| 12/18/2021 | 04:30:00 - 04:45:00 | 10 | 18 | 14 | 25 | 15 | 181.8 | 11.4 | 2.5 | 100.0 | 986.4 |
| 12/18/2021 | 04:45:00 - 05:00:00 | 10 | 18 | 14 | 24 | 15 | 137.6 | 73.5 | 2.5 | 100.0 | 986.8 |
| 12/18/2021 | 05:00:00 - 05:15:00 | 10 | 18 | 14 | 24 | 15 | 167.1 | 13.2 | 2.5 | 100.0 | 986.8 |
| 12/18/2021 | 05:15:00 - 05:30:00 | 10 | 17 | 14 | 24 | 15 | 167.0 | 12.8 | 2.5 | 100.0 | 986.8 |
| 12/18/2021 | 05:30:00 - 05:45:00 | 10 | 17 | 14 | 24 | 15 | 117.4 | 11.9 | 2.3 | 100.0 | 986.6 |
| 12/18/2021 | 05:45:00 - 06:00:00 | 10 | 17 | 14 | 24 | 15 | 10.7 | 23.7 | 2.3 | 100.0 | 986.8 |
| 12/18/2021 | 06:00:00 - 06:15:00 | 10 | 17 | 14 | 24 | 15 | 8.8 | 23.2 | 2.3 | 100.0 | 986.8 |
| 12/18/2021 | 06:15:00 - 06:30:00 | 10 | 17 | 14 | 24 | 15 | 8.5 | 22.7 | 2.2 | 100.0 | 986.9 |
| 12/18/2021 | 06:30:00 - 06:45:00 | 10 | 17 | 14 | 24 | 15 | 8.0 | 28.1 | 2.1 | 100.0 | 986.9 |
| 12/18/2021 | 06:45:00 - 07:00:00 | 10 | 17 | 14 | 23 | 15 | 10.0 | 24.2 | 2.1 | 100.0 | 987.0 |
| 12/18/2021 | 07:00:00 - 07:15:00 | 10 | 17 | 14 | 23 | 15 | 11.9 | 34.0 | 2.1 | 100.0 | 987.3 |
| 12/18/2021 | 07:15:00 - 07:30:00 | 9 | 17 | 14 | 23 | 15 | 10.2 | 35.8 | 2.0 | 100.0 | 987.6 |
| 12/18/2021 | 07:30:00 - 07:45:00 | 9 | 17 | 13 | 23 | 14 | 10.1 | 33.6 | 1.9 | 100.0 | 987.7 |
| 12/18/2021 | 07:45:00 - 08:00:00 | 9 | 17 | 13 | 23 | 14 | 12.2 | 29.3 | 1.8 | 100.0 | 987.9 |
| 12/18/2021 | 08:00:00 - 08:15:00 | 9 | 17 | 13 | 23 | 14 | 13.6 | 29.5 | 1.8 | 100.0 | 988.3 |
| 12/18/2021 | 08:15:00 - 08:30:00 | 9 | 17 | 13 | 23 | 14 | 12.4 | 28.0 | 1.8 | 100.0 | 988.7 |
| 12/18/2021 | 08:30:00 - 08:45:00 | 9 | 17 | 13 | 23 | 14 | 10.5 | 31.0 | 1.8 | 99.5 | 988.9 |
| 12/18/2021 | 08:45:00 - 09:00:00 | 9 | 17 | 13 | 23 | 14 | 11.3 | 25.3 | 1.8 | 99.0 | 989.1 |
| 12/18/2021 | 09:00:00 - 09:15:00 | 10 | 17 | 14 | 23 | 15 | 13.6 | 27.1 | 1.8 | 99.0 | 989.2 |
| 12/18/2021 | 09:15:00 - 09:30:00 | 10 | 17 | 14 | 23 | 15 | 14.0 | 36.3 | 1.8 | 99.0 | 989.3 |
| 12/18/2021 | 09:30:00 - 09:45:00 | 10 | 17 | 14 | 23 | 15 | 14.9 | 32.5 | 1.9 | 98.6 | 989.6 |
| 12/18/2021 | 09:45:00 - 10:00:00 | 10 | 18 | 14 | 24 | 15 | 15.6 | 27.7 | 2.1 | 98.0 | 989.6 |
| 12/18/2021 | 10:00:00 - 10:15:00 | 17 | 18 | 33 | 24 | 15 | 16.1 | 28.8 | 2.0 | 98.3 | 989.9 |
| 12/18/2021 | 10:15:00 - 10:30:00 | 36 | 18 | 41 | 51 | 43 | 12.8 | 29.0 | 2.0 | 99.7 | 990.1 |
| 12/18/2021 | 10:30:00 - 10:45:00 | 35 | Offline | 40 | 54 | 43 | 15.0 | 38.1 | 2.1 | 100.0 | 990.2 |
| 12/18/2021 | 10:45:00 - 11:00:00 | 34 | Offline | 39 | 53 | 43 | 20.7 | 34.7 | 2.1 | 99.2 | 990.4 |
| 12/18/2021 | 11:00:00 - 11:15:00 | 34 | Offline | 38 | 53 | 42 | 19.8 | 31.4 | 2.0 | 99.9 | 990.3 |
| 12/18/2021 | 11:15:00 - 11:30:00 | 33 | Offline | 37 | 51 | 41 | 19.5 | 40.3 | 1.9 | 100.0 | 990.2 |
| 12/18/2021 | 11:30:00 - 11:45:00 | 31 | Offline | 36 | 49 | 39 | 20.2 | 34.7 | 1.8 | 100.0 | 990.2 |
| 12/18/2021 | 11:45:00 - 12:00:00 | 30 | Offline | 35 | 48 | 38 | 20.3 | 35.7 | 1.8 | 99.8 | 990.3 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 12/18/2021 | 12:00:00 - 12:15:00 | 30 | Offline | 34 | 47 | 37 | 16.9 | 37.7 | 1.9 | 99.0 | 990.5 |
| 12/18/2021 | 12:15:00 - 12:30:00 | 29 | Offline | 33 | 46 | 36 | 19.7 | 35.4 | 2.0 | 98.6 | 990.6 |
| 12/18/2021 | 12:30:00 - 12:45:00 | 29 | Offline | 33 | 45 | 36 | 18.1 | 33.4 | 2.0 | 97.9 | 990.7 |
| 12/18/2021 | 12:45:00 - 13:00:00 | 29 | Offline | 33 | 45 | 36 | 20.5 | 28.9 | 2.0 | 97.0 | 990.8 |
| 12/18/2021 | 13:00:00 - 13:15:00 | 28 | Offline | 32 | 44 | 35 | 19.1 | 33.6 | 2.0 | 96.7 | 991.3 |
| 12/18/2021 | 13:15:00 - 13:30:00 | 28 | Offline | 32 | 44 | 35 | 17.9 | 34.5 | 1.8 | 96.5 | 991.4 |
| 12/18/2021 | 13:30:00 - 13:45:00 | 28 | Offline | 32 | 44 | 35 | 17.2 | 39.4 | 1.8 | 96.0 | 991.6 |
| 12/18/2021 | 13:45:00 - 14:00:00 | 28 | Offline | 32 | 44 | 35 | 15.1 | 26.5 | 1.9 | 95.4 | 991.3 |
| 12/18/2021 | 14:00:00 - 14:15:00 | 28 | Offline | 32 | 44 | 35 | 18.1 | 27.0 | 1.9 | 94.9 | 991.5 |
| 12/18/2021 | 14:15:00 - 14:30:00 | 28 | Offline | 32 | 44 | 35 | 18.3 | 28.0 | 2.1 | 94.6 | 991.6 |
| 12/18/2021 | 14:30:00 - 14:45:00 | 29 | Offline | 32 | 45 | 35 | 15.9 | 31.4 | 2.2 | 94.0 | 992.0 |
| 12/18/2021 | 14:45:00 - 15:00:00 | 29 | Offline | 32 | 45 | 35 | 15.5 | 32.9 | 2.4 | 93.1 | 992.2 |
| 12/18/2021 | 15:00:00 - 15:15:00 | 29 | Offline | 32 | 45 | 35 | 17.4 | 38.0 | 2.4 | 93.2 | 992.5 |
| 12/18/2021 | 15:15:00 - 15:30:00 | 29 | Offline | 32 | 45 | 35 | 17.6 | 36.3 | 2.3 | 92.8 | 993.0 |
| 12/18/2021 | 15:30:00 - 15:45:00 | 29 | Offline | 33 | 45 | 35 | 19.0 | 37.4 | 2.2 | 92.3 | 993.3 |
| 12/18/2021 | 15:45:00 - 16:00:00 | 29 | Offline | 33 | 46 | 36 | 14.3 | 28.1 | 2.2 | 91.1 | 993.5 |
| 12/18/2021 | 16:00:00 - 16:15:00 | 29 | Offline | 33 | 46 | 36 | 14.4 | 32.1 | 2.3 | 90.9 | 993.7 |
| 12/18/2021 | 16:15:00 - 16:30:00 | 30 | Offline | 33 | 46 | 36 | 16.7 | 37.2 | 2.2 | 90.0 | 993.9 |
| 12/18/2021 | 16:30:00 - 16:45:00 | 30 | Offline | 33 | 46 | 36 | 18.9 | 38.7 | 2.1 | 89.3 | 994.2 |
| 12/18/2021 | 16:45:00 - 17:00:00 | 30 | Offline | 34 | 47 | 37 | 15.7 | 36.8 | 1.8 | 89.0 | 994.4 |
| 12/18/2021 | 17:00:00 - 17:15:00 | 30 | Offline | 34 | 47 | 37 | 15.1 | 36.1 | 1.5 | 90.0 | 994.4 |
| 12/18/2021 | 17:15:00 - 17:30:00 | 31 | Offline | 34 | 47 | 37 | 16.2 | 41.8 | 1.2 | 90.0 | 994.7 |
| 12/18/2021 | 17:30:00 - 17:45:00 | 31 | Offline | 34 | 48 | 38 | 11.8 | 39.8 | 1.0 | 90.6 | 994.9 |
| 12/18/2021 | 17:45:00 - 18:00:00 | 31 | Offline | 35 | 48 | 38 | 11.7 | 47.3 | 0.9 | 91.7 | 995.3 |
| 12/18/2021 | 18:00:00 - 18:15:00 | 31 | Offline | 35 | 49 | 38 | 13.2 | 37.4 | 0.7 | 93.0 | 995.7 |
| 12/18/2021 | 18:15:00 - 18:30:00 | 32 | Offline | 35 | 49 | 38 | 14.5 | 31.4 | 0.6 | 93.0 | 995.4 |
| 12/18/2021 | 18:30:00 - 18:45:00 | 32 | Offline | 35 | 49 | 39 | 14.5 | 30.9 | 0.6 | 93.0 | 995.5 |
| 12/18/2021 | 18:45:00 - 19:00:00 | 32 | Offline | 35 | 50 | 39 | 14.2 | 33.4 | 0.6 | 92.9 | 995.8 |
| 12/18/2021 | 19:00:00 - 19:15:00 | 32 | Offline | 36 | 50 | 39 | 14.7 | 27.8 | 0.6 | 92.2 | 995.9 |
| 12/18/2021 | 19:15:00 - 19:30:00 | 32 | Offline | 36 | 50 | 39 | 11.2 | 28.5 | 0.4 | 93.0 | 996.4 |
| 12/18/2021 | 19:30:00 - 19:45:00 | 32 | Offline | 36 | 50 | 39 | 10.8 | 31.3 | 0.3 | 93.0 | 996.7 |
| 12/18/2021 | 19:45:00 - 20:00:00 | 33 | Offline | 36 | 50 | 39 | 11.0 | 35.9 | 0.3 | 93.0 | 996.9 |
| 12/18/2021 | 20:00:00 - 20:15:00 | 33 | Offline | 36 | 51 | 39 | 8.5 | 44.9 | 0.3 | 93.0 | 997.1 |
| 12/18/2021 | 20:15:00 - 20:30:00 | 33 | Offline | 36 | 51 | 40 | 10.2 | 39.6 | 0.3 | 92.5 | 997.2 |
| 12/18/2021 | 20:30:00 - 20:45:00 | 33 | Offline | 36 | 51 | 40 | 8.9 | 39.2 | 0.3 | 92.1 | 997.3 |
| 12/18/2021 | 20:45:00 - 21:00:00 | 33 | Offline | 36 | 51 | 40 | 7.3 | 32.1 | 0.3 | 92.6 | 997.4 |
| 12/18/2021 | 21:00:00 - 21:15:00 | 33 | Offline | 36 | 51 | 40 | 10.5 | 32.0 | 0.3 | 92.1 | 997.4 |
| 12/18/2021 | 21:15:00 - 21:30:00 | 33 | Offline | 36 | 51 | 40 | 7.7 | 27.5 | 0.2 | 92.7 | 997.4 |
| 12/18/2021 | 21:30:00 - 21:45:00 | 33 | Offline | 36 | 51 | 40 | 9.6 | 34.1 | 0.0 | 93.1 | 997.4 |
| 12/18/2021 | 21:45:00 - 22:00:00 | 33 | Offline | 36 | 51 | 40 | 7.6 | 28.9 | -0.4 | 94.1 | 997.4 |
| 12/18/2021 | 22:00:00 - 22:15:00 | 33 | Offline | 36 | 51 | 40 | 6.5 | 24.0 | -0.6 | 95.0 | 997.5 |
| 12/18/2021 | 22:15:00 - 22:30:00 | 33 | Offline | 36 | 50 | 39 | 8.3 | 21.7 | -0.7 | 94.6 | 997.6 |
| 12/18/2021 | 22:30:00 - 22:45:00 | 32 | Offline | 35 | 50 | 39 | 6.5 | 15.6 | -0.8 | 91.5 | 997.8 |
| 12/18/2021 | 22:45:00 - 23:00:00 | 32 | Offline | 35 | 50 | 39 | 6.2 | 16.2 | -1.1 | 91.0 | 998.1 |
| 12/18/2021 | 23:00:00 - 23:15:00 | 32 | Offline | 35 | 49 | 38 | 8.3 | 26.4 | -1.1 | 90.1 | 998.2 |
| 12/18/2021 | 23:15:00 - 23:30:00 | 32 | Offline | 35 | 49 | 38 | 7.1 | 39.9 | -1.2 | 90.2 | 998.2 |
| 12/18/2021 | 23:30:00 - 23:45:00 | 31 | Offline | 34 | 49 | 38 | 7.7 | 43.3 | -1.3 | 91.0 | 998.2 |
| 12/19/2021 | 23:45:00 - 00:00:00 | 31 | Offline | 34 | 48 | 38 | 7.8 | 46.1 | -1.4 | 91.0 | 998.4 |
| 12/19/2021 | 00:00:00 - 00:15:00 | 31 | Offline | 34 | 48 | 37 | 7.7 | 47.4 | -1.6 | 91.0 | 998.4 |
| 12/19/2021 | 00:15:00 - 00:30:00 | 31 | Offline | 34 | 47 | 37 | 7.3 | 43.8 | -1.7 | 91.5 | 998.5 |
| 12/19/2021 | 00:30:00 - 00:45:00 | 30 | Offline | 33 | 47 | 37 | 7.2 | 38.5 | -1.8 | 92.0 | 998.5 |
| 12/19/2021 | 00:45:00 - 01:00:00 | 30 | Offline | 33 | 47 | 36 | 6.0 | 31.3 | -1.9 | 92.1 | 998.4 |
| 12/19/2021 | 01:00:00 - 01:15:00 | 30 | Offline | 33 | 46 | 36 | 5.9 | 39.6 | -2.1 | 93.0 | 998.5 |
| 12/19/2021 | 01:15:00 - 01:30:00 | 30 | Offline | 33 | 46 | 36 | 5.8 | 43.2 | -2.2 | 93.0 | 998.5 |
| 12/19/2021 | 01:30:00 - 01:45:00 | 29 | Offline | 32 | 46 | 36 | 4.6 | 50.0 | -2.4 | 93.0 | 998.8 |
| 12/19/2021 | 01:45:00 - 02:00:00 | 29 | Offline | 32 | 45 | 35 | 5.2 | 44.5 | -2.5 | 93.0 | 999.0 |
| 12/19/2021 | 02:00:00 - 02:15:00 | 29 | Offline | 32 | 45 | 35 | 4.4 | 35.1 | -2.6 | 93.3 | 999.1 |
| 12/19/2021 | 02:15:00 - 02:30:00 | 29 | Offline | 32 | 45 | 35 | 4.5 | 45.4 | -2.7 | 93.5 | 999.2 |
| 12/19/2021 | 02:30:00 - 02:45:00 | 29 | Offline | 32 | 45 | 35 | 4.1 | 49.3 | -2.9 | 93.8 | 999.3 |
| 12/19/2021 | 02:45:00 - 03:00:00 | 28 | Offline | 31 | 44 | 35 | 3.8 | 49.9 | -3.0 | 94.0 | 999.3 |
| 12/19/2021 | 03:00:00 - 03:15:00 | 28 | Offline | 31 | 44 | 34 | 3.2 | 51.7 | -3.3 | 95.0 | 999.3 |
| 12/19/2021 | 03:15:00 - 03:30:00 | 28 | Offline | 31 | 44 | 34 | 2.6 | 61.3 | -3.4 | 95.3 | 999.5 |
| 12/19/2021 | 03:30:00 - 03:45:00 | 28 | Offline | 31 | 43 | 34 | 3.0 | 52.6 | -3.5 | 96.0 | 999.4 |
| 12/19/2021 | 03:45:00 - 04:00:00 | 28 | Offline | 31 | 43 | 34 | 4.1 | 39.3 | -3.4 | 96.0 | 999.3 |
| 12/19/2021 | 04:00:00 - 04:15:00 | 28 | Offline | 31 | 43 | 34 | 4.7 | 47.5 | -3.5 | 96.0 | 999.4 |
| 12/19/2021 | 04:15:00 - 04:30:00 | 28 | Offline | 30 | 43 | 33 | 6.1 | 37.3 | -3.4 | 95.1 | 999.5 |
| 12/19/2021 | 04:30:00 - 04:45:00 | 27 | Offline | 30 | 42 | 33 | 6.3 | 37.0 | -3.4 | 95.0 | 999.5 |
| 12/19/2021 | 04:45:00 - 05:00:00 | 27 | Offline | 30 | 42 | 33 | 4.4 | 38.2 | -3.5 | 95.0 | 999.5 |
| 12/19/2021 | 05:00:00 - 05:15:00 | 27 | Offline | 30 | 42 | 33 | 2.9 | 45.5 | -3.6 | 95.0 | 999.5 |
| 12/19/2021 | 05:15:00 - 05:30:00 | 27 | Offline | 30 | 42 | 33 | 2.5 | 44.9 | -3.7 | 95.1 | 999.6 |
| 12/19/2021 | 05:30:00 - 05:45:00 | 27 | Offline | 30 | 42 | 33 | 2.6 | 44.6 | -3.8 | 95.2 | 999.6 |
| 12/19/2021 | 05:45:00 - 06:00:00 | 27 | Offline | 30 | 42 | 33 | 1.4 | 72.8 | -4.1 | 96.0 | 999.8 |
| 12/19/2021 | 06:00:00 - 06:15:00 | 26 | Offline | 30 | 41 | 32 | 1.6 | 79.4 | -4.4 | 96.9 | 999.8 |
| 12/19/2021 | 06:15:00 - 06:30:00 | 26 | Offline | 30 | 41 | 32 | 2.0 | 79.4 | -4.4 | 97.3 | 1000.0 |
| 12/19/2021 | 06:30:00 - 06:45:00 | 26 | Offline | 29 | 41 | 32 | 1.7 | 89.6 | -4.4 | 97.0 | 1000.1 |
| 12/19/2021 | 06:45:00 - 07:00:00 | 26 | Offline | 29 | 41 | 32 | 1.9 | 100.7 | -4.6 | 97.5 | 1000.2 |
| 12/19/2021 | 07:00:00 - 07:15:00 | 26 | Offline | 29 | 41 | 32 | 1.5 | 89.9 | -4.8 | 97.7 | 1000.3 |
| 12/19/2021 | 07:15:00 - 07:30:00 | 25 | Offline | 29 | 41 | 32 | 2.0 | 108.2 | -4.8 | 97.8 | 1000.3 |
| 12/19/2021 | 07:30:00 - 07:45:00 | 25 | Offline | 29 | 41 | 32 | 1.9 | 108.7 | -5.1 | 98.3 | 1000.4 |
| 12/19/2021 | 07:45:00 - 08:00:00 | 25 | Offline | 29 | 41 | 32 | 1.9 | 91.4 | -5.0 | 98.5 | 1000.6 |
| 12/19/2021 | 08:00:00 - 08:15:00 | 25 | Offline | 29 | 41 | 32 | 1.7 | 68.1 | -4.6 | 98.4 | 1000.8 |
| 12/19/2021 | 08:15:00 - 08:30:00 | 25 | Offline | 29 | 41 | 32 | 1.5 | 87.5 | -4.1 | 97.5 | 1000.9 |
| 12/19/2021 | 08:30:00 - 08:45:00 | 25 | Offline | 29 | 41 | 32 | 2.6 | 35.3 | -3.6 | 96.1 | 1001.0 |
| 12/19/2021 | 08:45:00 - 09:00:00 | 25 | Offline | 29 | 41 | 32 | 3.5 | 26.0 | -2.8 | 93.6 | 1001.2 |
| 12/19/2021 | 09:00:00 - 09:15:00 | 25 | Offline | 29 | 41 | 32 | 3.7 | 27.1 | -2.4 | 91.7 | 1001.3 |
| 12/19/2021 | 09:15:00 - 09:30:00 | 25 | Offline | 29 | 41 | 31 | 4.3 | 22.5 | -1.5 | 88.4 | 1001.3 |
| 12/19/2021 | 09:30:00 - 09:45:00 | 25 | Offline | 29 | 41 | 31 | 4.5 | 23.0 | -0.8 | 85.2 | 1001.5 |
| 12/19/2021 | 09:45:00 - 10:00:00 | 25 | Offline | 29 | 40 | 31 | 4.3 | 44.5 | -0.2 | 82.0 | 1001.6 |
| 12/19/2021 | 10:00:00 - 10:15:00 | 16 | Offline | 20 | 40 | 29 | 4.9 | 38.9 | 0.3 | 79.4 | 1001.8 |
| 12/19/2021 | 10:15:00 - 10:30:00 | 13 | Offline | 17 | 25 | 19 | 6.8 | 37.6 | 0.5 | 78.4 | 1001.9 |
| 12/19/2021 | 10:30:00 - 10:45:00 | 13 | 30 | 17 | 24 | 19 | 8.3 | 56.0 | 0.6 | 77.3 | 1001.8 |
| 12/19/2021 | 10:45:00 - 11:00:00 | 13 | 26 | 17 | 23 | 18 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 11:00:00 - 11:15:00 | 13 | 24 | 18 | 23 | 18 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 11:15:00 - 11:30:00 | 13 | 23 | 18 | 23 | 18 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 11:30:00 - 11:45:00 | 13 | 22 | 17 | 23 | 18 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 11:45:00 - 12:00:00 | 13 | 21 | 17 | 22 | 17 | Offline | Offline | Offline | Offline | Offline |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 12/19/2021 | 12:00:00 - 12:15:00 | 12 | 20 | 17 | 21 | 16 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 12:15:00 - 12:30:00 | 12 | 19 | 16 | 21 | 16 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 12:30:00 - 12:45:00 | 12 | 19 | 16 | 20 | 16 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 12:45:00 - 13:00:00 | 12 | 18 | 16 | 20 | 16 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 13:00:00 - 13:15:00 | 11 | 18 | 15 | 20 | 15 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 13:15:00 - 13:30:00 | 11 | 17 | 15 | 19 | 15 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 13:30:00 - 13:45:00 | 11 | 17 | 15 | 19 | 15 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 13:45:00 - 14:00:00 | 11 | 16 | 14 | 19 | 14 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 14:00:00 - 14:15:00 | 11 | 16 | 14 | 18 | 14 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 14:15:00 - 14:30:00 | 11 | 16 | 14 | 18 | 14 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 14:30:00 - 14:45:00 | 10 | 16 | 14 | 18 | 14 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 14:45:00 - 15:00:00 | 10 | 15 | 14 | 18 | 14 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 15:00:00 - 15:15:00 | 10 | 15 | 14 | 18 | 14 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 15:15:00 - 15:30:00 | 10 | 15 | 14 | 18 | 14 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 15:30:00 - 15:45:00 | 10 | 15 | 14 | 18 | 14 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 15:45:00 - 16:00:00 | 10 | 15 | 14 | 18 | 14 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 16:00:00 - 16:15:00 | 10 | 15 | 14 | 18 | 14 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 16:15:00 - 16:30:00 | 10 | 15 | 14 | 18 | 14 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 16:30:00 - 16:45:00 | 10 | 15 | 13 | 18 | 14 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 16:45:00 - 17:00:00 | 10 | 15 | 13 | 18 | 14 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 17:00:00 - 17:15:00 | 10 | 15 | 13 | 18 | 14 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 17:15:00 - 17:30:00 | 10 | 15 | 13 | 18 | 14 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 17:30:00 - 17:45:00 | 10 | 15 | 14 | 18 | 14 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 17:45:00 - 18:00:00 | 10 | 15 | 14 | 18 | 14 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 18:00:00 - 18:15:00 | 10 | 15 | 14 | 18 | 14 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 18:15:00 - 18:30:00 | 10 | 15 | 14 | 18 | 14 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 18:30:00 - 18:45:00 | 10 | 16 | 14 | 18 | 14 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 18:45:00 - 19:00:00 | 10 | 16 | 14 | 18 | 14 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 19:00:00 - 19:15:00 | 10 | 16 | 14 | 19 | 14 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 19:15:00 - 19:30:00 | 11 | 16 | 14 | 19 | 14 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 19:30:00 - 19:45:00 | 11 | 16 | 14 | 19 | 14 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 19:45:00 - 20:00:00 | 11 | 16 | 14 | 19 | 15 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 20:00:00 - 20:15:00 | 11 | 16 | 15 | 19 | 15 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 20:15:00 - 20:30:00 | 11 | 17 | 15 | 19 | 15 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 20:30:00 - 20:45:00 | 11 | 17 | 15 | 20 | 15 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 20:45:00 - 21:00:00 | 11 | 17 | 15 | 20 | 15 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 21:00:00 - 21:15:00 | 12 | 17 | 15 | 20 | 15 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 21:15:00 - 21:30:00 | 12 | 17 | 15 | 20 | 16 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 21:30:00 - 21:45:00 | 12 | 18 | 16 | 21 | 16 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 21:45:00 - 22:00:00 | 12 | 18 | 16 | 21 | 16 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 22:00:00 - 22:15:00 | 13 | 18 | 16 | 21 | 16 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 22:15:00 - 22:30:00 | 13 | 18 | 16 | 22 | 17 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 22:30:00 - 22:45:00 | 13 | 19 | 16 | 22 | 17 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 22:45:00 - 23:00:00 | 13 | 19 | 17 | 22 | 17 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 23:00:00 - 23:15:00 | 13 | 19 | 17 | 22 | 17 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 23:15:00 - 23:30:00 | 14 | 19 | 17 | 23 | 17 | Offline | Offline | Offline | Offline | Offline |
| 12/19/2021 | 23:30:00 - 23:45:00 | 14 | 19 | 17 | 23 | 18 | Offline | Offline | Offline | Offline | Offline |
| 12/20/2021 | 23:45:00 - 00:00:00 | 14 | 20 | 17 | 23 | 18 | Offline | Offline | Offline | Offline | Offline |
| 12/20/2021 | 00:00:00 - 00:15:00 | 14 | 20 | 18 | 24 | 18 | Offline | Offline | Offline | Offline | Offline |
| 12/20/2021 | 00:15:00 - 00:30:00 | 15 | 20 | 18 | 24 | 19 | Offline | Offline | Offline | Offline | Offline |
| 12/20/2021 | 00:30:00 - 00:45:00 | 15 | 21 | 18 | 25 | 19 | Offline | Offline | Offline | Offline | Offline |
| 12/20/2021 | 00:45:00 - 01:00:00 | 15 | 21 | 18 | 25 | 19 | Offline | Offline | Offline | Offline | Offline |
| 12/20/2021 | 01:00:00 - 01:15:00 | 16 | 21 | 19 | 25 | 19 | Offline | Offline | Offline | Offline | Offline |
| 12/20/2021 | 01:15:00 - 01:30:00 | 16 | 22 | 19 | 26 | 20 | Offline | Offline | Offline | Offline | Offline |
| 12/20/2021 | 01:30:00 - 01:45:00 | 16 | 22 | 19 | 26 | 20 | Offline | Offline | Offline | Offline | Offline |
| 12/20/2021 | 01:45:00 - 02:00:00 | 17 | 22 | 19 | 27 | 20 | Offline | Offline | Offline | Offline | Offline |
| 12/20/2021 | 02:00:00 - 02:15:00 | 17 | 23 | 20 | 27 | 21 | Offline | Offline | Offline | Offline | Offline |
| 12/20/2021 | 02:15:00 - 02:30:00 | 17 | 23 | 20 | 27 | 21 | Offline | Offline | Offline | Offline | Offline |
| 12/20/2021 | 02:30:00 - 02:45:00 | 18 | 23 | 20 | 28 | 21 | Offline | Offline | Offline | Offline | Offline |
| 12/20/2021 | 02:45:00 - 03:00:00 | 18 | 23 | 20 | 28 | 22 | Offline | Offline | Offline | Offline | Offline |
| 12/20/2021 | 03:00:00 - 03:15:00 | 18 | 24 | 21 | 28 | 22 | Offline | Offline | Offline | Offline | Offline |
| 12/20/2021 | 03:15:00 - 03:30:00 | 18 | 24 | 21 | 29 | 22 | Offline | Offline | Offline | Offline | Offline |
| 12/20/2021 | 03:30:00 - 03:45:00 | 19 | 24 | 21 | 29 | 22 | Offline | Offline | Offline | Offline | Offline |
| 12/20/2021 | 03:45:00 - 04:00:00 | 19 | 25 | 21 | 30 | 23 | Offline | Offline | Offline | Offline | Offline |
| 12/20/2021 | 04:00:00 - 04:15:00 | 19 | 25 | 22 | 30 | 23 | Offline | Offline | Offline | Offline | Offline |
| 12/20/2021 | 04:15:00 - 04:30:00 | 19 | 25 | 22 | 30 | 23 | Offline | Offline | Offline | Offline | Offline |
| 12/20/2021 | 04:30:00 - 04:45:00 | 20 | 25 | 22 | 31 | 24 | Offline | Offline | Offline | Offline | Offline |
| 12/20/2021 | 04:45:00 - 05:00:00 | 20 | 26 | 22 | 31 | 24 | Offline | Offline | Offline | Offline | Offline |
| 12/20/2021 | 05:00:00 - 05:15:00 | 20 | 26 | 22 | 31 | 24 | Offline | Offline | Offline | Offline | Offline |
| 12/20/2021 | 05:15:00 - 05:30:00 | 20 | 26 | 23 | 31 | 24 | Offline | Offline | Offline | Offline | Offline |
| 12/20/2021 | 05:30:00 - 05:45:00 | 21 | 26 | 23 | 32 | 25 | Offline | Offline | Offline | Offline | Offline |
| 12/20/2021 | 05:45:00 - 06:00:00 | 21 | 27 | 23 | 32 | 25 | Offline | Offline | Offline | Offline | Offline |
| 12/20/2021 | 06:00:00 - 06:15:00 | 21 | 27 | 23 | 32 | 25 | Offline | Offline | Offline | Offline | Offline |
| 12/20/2021 | 06:15:00 - 06:30:00 | 22 | 27 | 23 | 33 | 25 | Offline | Offline | Offline | Offline | Offline |
| 12/20/2021 | 06:30:00 - 06:45:00 | 22 | 27 | 24 | 33 | 26 | Offline | Offline | Offline | Offline | Offline |
| 12/20/2021 | 06:45:00 - 07:00:00 | 22 | 28 | 24 | 33 | 26 | Offline | Offline | Offline | Offline | Offline |
| 12/20/2021 | 07:00:00 - 07:15:00 | 23 | 28 | 24 | 34 | 26 | Offline | Offline | Offline | Offline | Offline |
| 12/20/2021 | 07:15:00 - 07:30:00 | 23 | 28 | 35 | 34 | 26 | Offline | Offline | Offline | Offline | Offline |
| 12/20/2021 | 07:30:00 - 07:45:00 | Offline | 29 | 59 | 34 | 27 | Offline | Offline | Offline | Offline | Offline |
| 12/20/2021 | 07:45:00 - 08:00:00 | Offline | 32 | 53 | 54 | 30 | Offline | Offline | Offline | Offline | Offline |
| 12/20/2021 | 08:00:00 - 08:15:00 | Offline | 62 | 51 | 72 | 53 | 4.3 | 140.5 | -2.7 | 95.4 | 996.7 |
| 12/20/2021 | 08:15:00 - 08:30:00 | Offline | 56 | 51 | 70 | 53 | 4.3 | 141.6 | -2.6 | 95.0 | 996.5 |
| 12/20/2021 | 08:30:00 - 08:45:00 | Offline | 54 | 50 | 69 | 52 | 4.7 | 145.7 | -2.6 | 94.2 | 996.5 |
| 12/20/2021 | 08:45:00 - 09:00:00 | Offline | 53 | 50 | 67 | 52 | 4.1 | 133.4 | -2.1 | 93.3 | 996.5 |
| 12/20/2021 | 09:00:00 - 09:15:00 | Offline | 52 | 50 | 67 | 51 | 4.4 | 133.8 | -1.6 | 92.7 | 996.7 |
| 12/20/2021 | 09:15:00 - 09:30:00 | Offline | 51 | 50 | 66 | 51 | 7.1 | 148.8 | -0.5 | 90.7 | 996.7 |
| 12/20/2021 | 09:30:00 - 09:45:00 | Offline | 51 | 49 | 65 | 50 | 9.8 | 158.4 | 0.0 | 88.3 | 996.8 |
| 12/20/2021 | 09:45:00 - 10:00:00 | Offline | 50 | 48 | 64 | 48 | 10.4 | 157.2 | 0.3 | 87.6 | 996.8 |
| 12/20/2021 | 10:00:00 - 10:15:00 | 58 | 49 | 46 | 62 | 47 | 10.7 | 158.9 | 0.8 | 86.7 | 996.6 |
| 12/20/2021 | 10:15:00 - 10:30:00 | 47 | 48 | 46 | 60 | 46 | 14.7 | 157.7 | 1.2 | 85.3 | 996.3 |
| 12/20/2021 | 10:30:00 - 10:45:00 | 42 | 48 | 45 | 59 | 45 | 13.5 | 158.4 | 1.4 | 84.7 | 996.3 |
| 12/20/2021 | 10:45:00 - 11:00:00 | 39 | 47 | 44 | 57 | 45 | 14.2 | 157.4 | 1.6 | 84.5 | 996.1 |
| 12/20/2021 | 11:00:00 - 11:15:00 | 37 | 46 | 43 | 56 | 44 | 12.4 | 149.2 | 2.0 | 84.2 | 996.0 |
| 12/20/2021 | 11:15:00 - 11:30:00 | 36 | 45 | 42 | 55 | 43 | 14.4 | 154.6 | 2.3 | 82.9 | 995.7 |
| 12/20/2021 | 11:30:00 - 11:45:00 | 34 | 45 | 42 | 54 | 42 | 14.5 | 155.6 | 2.6 | 82.0 | 995.3 |
| 12/20/2021 | 11:45:00 - 12:00:00 | 33 | 44 | 41 | 53 | 41 | 15.3 | 152.7 | 2.8 | 80.6 | 995.0 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 12/20/2021 | 12:00:00 - 12:15:00 | 33 | 43 | 41 | 52 | 41 | 13.4 | 150.3 | 3.0 | 80.6 | 994.8 |
| 12/20/2021 | 12:15:00 - 12:30:00 | 32 | 43 | 40 | 51 | 40 | 15.8 | 153.8 | 3.2 | 79.7 | 994.6 |
| 12/20/2021 | 12:30:00 - 12:45:00 | 31 | 42 | 40 | 50 | 39 | 15.1 | 146.5 | 3.5 | 79.6 | 994.4 |
| 12/20/2021 | 12:45:00 - 13:00:00 | 31 | 42 | 39 | 49 | 39 | 17.4 | 144.2 | 3.9 | 78.9 | 994.3 |
| 12/20/2021 | 13:00:00 - 13:15:00 | 30 | 41 | 39 | 49 | 39 | 13.7 | 134.2 | 4.2 | 76.5 | 994.1 |
| 12/20/2021 | 13:15:00 - 13:30:00 | 30 | 41 | 38 | 48 | 38 | 18.3 | 145.6 | 4.5 | 74.8 | 994.1 |
| 12/20/2021 | 13:30:00 - 13:45:00 | 29 | 40 | 38 | 48 | 38 | 17.1 | 146.0 | 4.5 | 76.0 | 993.9 |
| 12/20/2021 | 13:45:00 - 14:00:00 | 29 | 40 | 37 | 47 | 37 | 14.3 | 152.2 | 4.9 | 75.3 | 993.9 |
| 12/20/2021 | 14:00:00 - 14:15:00 | 28 | 40 | 37 | 47 | 37 | 17.9 | 152.8 | 4.8 | 75.8 | 993.8 |
| 12/20/2021 | 14:15:00 - 14:30:00 | 28 | 39 | 36 | 46 | 36 | 14.1 | 148.6 | 5.1 | 74.7 | 993.6 |
| 12/20/2021 | 14:30:00 - 14:45:00 | 28 | 39 | 36 | 45 | 36 | 14.1 | 152.6 | 5.3 | 72.9 | 993.3 |
| 12/20/2021 | 14:45:00 - 15:00:00 | 27 | 38 | 35 | 45 | 36 | 15.0 | 152.9 | 5.4 | 72.0 | 993.1 |
| 12/20/2021 | 15:00:00 - 15:15:00 | 27 | 38 | 35 | 44 | 35 | 14.7 | 152.5 | 5.3 | 73.5 | 993.1 |
| 12/20/2021 | 15:15:00 - 15:30:00 | 27 | 38 | 35 | 44 | 35 | 14.6 | 155.4 | 5.3 | 72.7 | 993.2 |
| 12/20/2021 | 15:30:00 - 15:45:00 | 27 | 37 | 34 | 44 | 35 | 13.0 | 156.2 | 5.1 | 72.6 | 993.2 |
| 12/20/2021 | 15:45:00 - 16:00:00 | 27 | 37 | 34 | 43 | 35 | 10.4 | 154.3 | 4.9 | 73.4 | 993.4 |
| 12/20/2021 | 16:00:00 - 16:15:00 | 27 | 37 | 34 | 43 | 34 | 11.9 | 151.3 | 4.7 | 74.5 | 993.3 |
| 12/20/2021 | 16:15:00 - 16:30:00 | 27 | 37 | 34 | 43 | 34 | 10.1 | 146.9 | 4.5 | 75.0 | 993.3 |
| 12/20/2021 | 16:30:00 - 16:45:00 | 27 | 37 | 34 | 43 | 34 | 10.3 | 156.3 | 4.3 | 76.1 | 993.1 |
| 12/20/2021 | 16:45:00 - 17:00:00 | 27 | 37 | 34 | 43 | 34 | 6.8 | 141.9 | 3.9 | 80.0 | 993.2 |
| 12/20/2021 | 17:00:00 - 17:15:00 | 27 | 37 | 34 | 43 | 34 | 7.3 | 154.6 | 3.5 | 83.3 | 993.5 |
| 12/20/2021 | 17:15:00 - 17:30:00 | 27 | 37 | 34 | 43 | 34 | 8.2 | 152.5 | 3.3 | 84.0 | 993.7 |
| 12/20/2021 | 17:30:00 - 17:45:00 | 27 | 37 | 34 | 43 | 34 | 9.7 | 157.1 | 3.2 | 84.0 | 993.9 |
| 12/20/2021 | 17:45:00 - 18:00:00 | 27 | 37 | 34 | 43 | 34 | 5.6 | 147.2 | 2.8 | 84.9 | 994.2 |
| 12/20/2021 | 18:00:00 - 18:15:00 | 27 | 37 | 34 | 43 | 34 | 6.0 | 145.8 | 2.6 | 85.8 | 994.3 |
| 12/20/2021 | 18:15:00 - 18:30:00 | 28 | 37 | 34 | 43 | 35 | 6.7 | 161.0 | 2.2 | 86.8 | 994.4 |
| 12/20/2021 | 18:30:00 - 18:45:00 | 28 | 37 | 34 | 44 | 35 | 6.0 | 152.5 | 2.2 | 87.7 | 994.4 |
| 12/20/2021 | 18:45:00 - 19:00:00 | 28 | 37 | 34 | 44 | 35 | 4.3 | 133.5 | 1.8 | 88.4 | 994.7 |
| 12/20/2021 | 19:00:00 - 19:15:00 | 28 | 37 | 34 | 44 | 35 | 3.1 | 141.2 | 1.5 | 89.5 | 994.7 |
| 12/20/2021 | 19:15:00 - 19:30:00 | 28 | 38 | 34 | 44 | 35 | 2.6 | 129.4 | 1.5 | 90.2 | 994.8 |
| 12/20/2021 | 19:30:00 - 19:45:00 | 29 | 38 | 34 | 44 | 35 | 3.5 | 140.6 | 1.3 | 91.0 | 994.7 |
| 12/20/2021 | 19:45:00 - 20:00:00 | 29 | 38 | 34 | 45 | 36 | 3.9 | 145.9 | 1.1 | 91.9 | 994.7 |
| 12/20/2021 | 20:00:00 - 20:15:00 | 29 | 38 | 34 | 45 | 36 | 3.5 | 149.1 | 1.0 | 92.0 | 994.6 |
| 12/20/2021 | 20:15:00 - 20:30:00 | 29 | 38 | 34 | 45 | 36 | 3.7 | 130.8 | 0.9 | 92.0 | 994.5 |
| 12/20/2021 | 20:30:00 - 20:45:00 | 30 | 38 | 34 | 45 | 36 | 2.5 | 119.8 | 0.8 | 92.0 | 994.5 |
| 12/20/2021 | 20:45:00 - 21:00:00 | 30 | 39 | 35 | 45 | 36 | 2.0 | 131.4 | 0.6 | 92.6 | 994.4 |
| 12/20/2021 | 21:00:00 - 21:15:00 | 30 | 39 | 35 | 46 | 37 | 1.7 | 136.7 | 0.5 | 92.4 | 994.4 |
| 12/20/2021 | 21:15:00 - 21:30:00 | 31 | 39 | 35 | 46 | 37 | 1.6 | 118.4 | 0.3 | 93.0 | 994.4 |
| 12/20/2021 | 21:30:00 - 21:45:00 | 31 | 39 | 35 | 46 | 37 | 1.7 | 112.4 | 0.2 | 93.2 | 994.2 |
| 12/20/2021 | 21:45:00 - 22:00:00 | 31 | 39 | 35 | 46 | 37 | 2.2 | 124.8 | 0.1 | 93.3 | 994.2 |
| 12/20/2021 | 22:00:00 - 22:15:00 | 31 | 39 | 35 | 46 | 37 | 1.6 | 125.4 | 0.0 | 94.0 | 994.1 |
| 12/20/2021 | 22:15:00 - 22:30:00 | 32 | 40 | 35 | 47 | 38 | 1.9 | 118.5 | -0.1 | 94.1 | 993.9 |
| 12/20/2021 | 22:30:00 - 22:45:00 | 32 | 40 | 36 | 47 | 38 | 2.1 | 127.0 | -0.2 | 94.9 | 993.9 |
| 12/20/2021 | 22:45:00 - 23:00:00 | 33 | 40 | 36 | 48 | 38 | 3.7 | 93.9 | 0.4 | 94.4 | 993.9 |
| 12/20/2021 | 23:00:00 - 23:15:00 | 33 | 40 | 36 | 48 | 38 | 2.7 | 114.6 | 0.4 | 93.1 | 993.8 |
| 12/20/2021 | 23:15:00 - 23:30:00 | 33 | 41 | 36 | 48 | 39 | 1.7 | 55.8 | 0.0 | 94.2 | 993.7 |
| 12/20/2021 | 23:30:00 - 23:45:00 | 34 | 41 | 36 | 48 | 39 | 1.5 | 56.6 | -0.1 | 94.7 | 993.5 |
| 12/21/2021 | 23:45:00 - 00:00:00 | 34 | 41 | 36 | 49 | 39 | 1.9 | 119.6 | -0.8 | 95.2 | 993.2 |
| 12/21/2021 | 00:00:00 - 00:15:00 | 34 | 41 | 37 | 49 | 40 | 1.8 | 86.4 | -1.2 | 96.8 | 992.9 |
| 12/21/2021 | 00:15:00 - 00:30:00 | 35 | 42 | 37 | 49 | 40 | 1.2 | 96.7 | -1.3 | 97.7 | 992.8 |
| 12/21/2021 | 00:30:00 - 00:45:00 | 35 | 42 | 37 | 50 | 40 | 2.0 | 122.0 | -1.5 | 98.0 | 992.7 |
| 12/21/2021 | 00:45:00 - 01:00:00 | 35 | 42 | 37 | 50 | 41 | 1.3 | 68.3 | -2.0 | 98.6 | 992.4 |
| 12/21/2021 | 01:00:00 - 01:15:00 | 36 | 42 | 37 | 50 | 41 | 1.3 | 124.6 | -2.3 | 99.0 | 992.1 |
| 12/21/2021 | 01:15:00 - 01:30:00 | 36 | 43 | 38 | 50 | 41 | 1.4 | 86.5 | -2.7 | 99.3 | 991.9 |
| 12/21/2021 | 01:30:00 - 01:45:00 | 37 | 43 | 38 | 51 | 41 | 2.6 | 158.3 | -2.5 | 99.8 | 991.9 |
| 12/21/2021 | 01:45:00 - 02:00:00 | 37 | 43 | 38 | 51 | 42 | 2.3 | 164.7 | -2.7 | 99.8 | 992.0 |
| 12/21/2021 | 02:00:00 - 02:15:00 | 37 | 44 | 38 | 51 | 42 | 1.6 | 128.3 | -2.6 | 100.0 | 991.9 |
| 12/21/2021 | 02:15:00 - 02:30:00 | 37 | 44 | 38 | 52 | 42 | 1.6 | 86.1 | -2.8 | 100.0 | 992.0 |
| 12/21/2021 | 02:30:00 - 02:45:00 | 37 | 44 | 39 | 52 | 43 | 2.1 | 60.4 | -3.0 | 100.0 | 992.0 |
| 12/21/2021 | 02:45:00 - 03:00:00 | 37 | 45 | 39 | 52 | 43 | 1.7 | 40.7 | -3.1 | 100.0 | 991.9 |
| 12/21/2021 | 03:00:00 - 03:15:00 | 38 | 45 | 39 | 52 | 43 | 2.1 | 85.8 | -3.0 | 100.0 | 991.8 |
| 12/21/2021 | 03:15:00 - 03:30:00 | 38 | 45 | 39 | 53 | 43 | 2.9 | 33.5 | -2.8 | 100.0 | 991.8 |
| 12/21/2021 | 03:30:00 - 03:45:00 | 38 | 46 | 39 | 53 | 44 | 3.2 | 8.0 | -3.0 | 99.7 | 991.7 |
| 12/21/2021 | 03:45:00 - 04:00:00 | 38 | 46 | 40 | 53 | 44 | 2.3 | 21.1 | -3.3 | 99.5 | 991.7 |
| 12/21/2021 | 04:00:00 - 04:15:00 | 38 | 46 | 40 | 53 | 44 | 1.7 | 21.8 | -3.8 | 99.4 | 991.6 |
| 12/21/2021 | 04:15:00 - 04:30:00 | 38 | 46 | 40 | 54 | 44 | 1.7 | 15.2 | -3.8 | 99.4 | 991.5 |
| 12/21/2021 | 04:30:00 - 04:45:00 | 38 | 46 | 40 | 54 | 45 | 1.4 | 54.7 | -4.2 | 99.0 | 991.4 |
| 12/21/2021 | 04:45:00 - 05:00:00 | 38 | 46 | 41 | 54 | 45 | 1.3 | 92.2 | -4.1 | 99.2 | 991.1 |
| 12/21/2021 | 05:00:00 - 05:15:00 | 38 | 47 | 41 | 55 | 45 | 2.2 | 32.0 | -3.9 | 99.7 | 991.1 |
| 12/21/2021 | 05:15:00 - 05:30:00 | 39 | 47 | 41 | 55 | 46 | 3.1 | 16.2 | -3.9 | 100.0 | 991.0 |
| 12/21/2021 | 05:30:00 - 05:45:00 | 39 | 47 | 41 | 55 | 46 | 1.9 | 21.6 | -4.0 | 99.1 | 991.0 |
| 12/21/2021 | 05:45:00 - 06:00:00 | 39 | 47 | 42 | 56 | 46 | 2.5 | 80.8 | -4.0 | 99.8 | 990.7 |
| 12/21/2021 | 06:00:00 - 06:15:00 | 39 | 47 | 42 | 56 | 47 | 4.6 | 97.5 | -3.2 | 100.0 | 990.1 |
| 12/21/2021 | 06:15:00 - 06:30:00 | 39 | 47 | 42 | 57 | 47 | 2.4 | 134.0 | -2.9 | 99.7 | 990.0 |
| 12/21/2021 | 06:30:00 - 06:45:00 | 39 | 47 | 42 | 57 | 48 | 1.9 | 97.9 | -3.2 | 99.4 | 990.1 |
| 12/21/2021 | 06:45:00 - 07:00:00 | 40 | 47 | 43 | 57 | 48 | 1.7 | 67.9 | -3.6 | 99.0 | 990.0 |
| 12/21/2021 | 07:00:00 - 07:15:00 | 40 | 47 | 43 | 58 | 48 | 4.5 | 115.2 | -3.2 | 99.9 | 989.7 |
| 12/21/2021 | 07:15:00 - 07:30:00 | 40 | 47 | 43 | 58 | 49 | 7.7 | 112.0 | -2.3 | 99.6 | 989.3 |
| 12/21/2021 | 07:30:00 - 07:45:00 | 56 | 51 | 70 | 69 | 49 | 6.4 | 116.6 | -2.1 | 99.0 | 989.1 |
| 12/21/2021 | 07:45:00 - 08:00:00 | 53 | 57 | 75 | 95 | 49 | 7.5 | 113.2 | -1.8 | 99.2 | 989.3 |
| 12/21/2021 | 08:00:00 - 08:15:00 | 44 | 58 | 66 | 95 | 91 | Offline | Offline | Offline | Offline | Offline |
| 12/21/2021 | 08:15:00 - 08:30:00 | 46 | 57 | 66 | 98 | 81 | 3.4 | 81.7 | -2.1 | 100.0 | 989.2 |
| 12/21/2021 | 08:30:00 - 08:45:00 | 47 | 57 | 65 | 99 | 80 | 3.6 | 110.9 | -1.9 | 99.4 | 989.1 |
| 12/21/2021 | 08:45:00 - 09:00:00 | 48 | 58 | 63 | 96 | 78 | 4.6 | 124.6 | -1.7 | 99.0 | 988.9 |
| 12/21/2021 | 09:00:00 - 09:15:00 | 48 | 59 | 61 | 94 | 74 | 3.6 | 123.6 | -1.4 | 98.8 | 988.7 |
| 12/21/2021 | 09:15:00 - 09:30:00 | 47 | 60 | 60 | 91 | 71 | 4.1 | 132.8 | -0.9 | 97.1 | 988.4 |
| 12/21/2021 | 09:30:00 - 09:45:00 | 46 | 59 | 59 | 91 | 69 | 5.3 | 125.8 | -0.5 | 95.4 | 988.0 |
| 12/21/2021 | 09:45:00 - 10:00:00 | 45 | 59 | 58 | 90 | 67 | 5.3 | 119.0 | 0.0 | 93.7 | 988.0 |
| 12/21/2021 | 10:00:00 - 10:15:00 | 45 | 59 | 57 | 88 | 66 | 4.1 | 114.5 | 0.9 | 91.4 | 987.7 |
| 12/21/2021 | 10:15:00 - 10:30:00 | 45 | 58 | 56 | 86 | 65 | 4.6 | 117.9 | 1.6 | 89.9 | 987.5 |
| 12/21/2021 | 10:30:00 - 10:45:00 | 44 | 58 | 54 | 84 | 63 | 4.6 | 99.0 | 2.6 | 87.8 | 987.9 |
| 12/21/2021 | 10:45:00 - 11:00:00 | 43 | 57 | 53 | 81 | 61 | 9.1 | 123.9 | 3.4 | 84.0 | 987.8 |
| 12/21/2021 | 11:00:00 - 11:15:00 | 42 | 56 | 52 | 78 | 59 | 7.7 | 137.4 | 3.6 | 82.5 | 987.6 |
| 12/21/2021 | 11:15:00 - 11:30:00 | 41 | 55 | 51 | Offline | 57 | 9.8 | 147.9 | 4.0 | 80.0 | 987.1 |
| 12/21/2021 | 11:30:00 - 11:45:00 | 40 | 54 | 49 | Offline | 56 | 10.7 | 148.2 | 4.2 | 79.5 | 986.5 |
| 12/21/2021 | 11:45:00 - 12:00:00 | 40 | 53 | 48 | 43 | 54 | 15.1 | 144.6 | 4.5 | 77.1 | 986.0 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 12/21/2021 | 12:00:00 - 12:15:00 | 39 | 52 | 47 | 42 | 53 | 14.2 | 143.6 | 4.6 | 76.7 | 985.3 |
| 12/21/2021 | 12:15:00 - 12:30:00 | 38 | 51 | 46 | 40 | 31 | 14.3 | 148.5 | 4.8 | 76.1 | 984.7 |
| 12/21/2021 | 12:30:00 - 12:45:00 | 38 | 50 | 46 | 39 | 32 | 15.2 | 146.4 | 5.1 | 75.8 | 984.3 |
| 12/21/2021 | 12:45:00 - 13:00:00 | 37 | 49 | 45 | 39 | 33 | 13.6 | 134.6 | 5.7 | 73.9 | 984.2 |
| 12/21/2021 | 13:00:00 - 13:15:00 | 37 | 49 | 44 | 39 | 35 | 12.4 | 114.5 | 6.2 | 72.9 | 984.4 |
| 12/21/2021 | 13:15:00 - 13:30:00 | 37 | 39 | 44 | 40 | 36 | 13.8 | 105.1 | 6.2 | 72.1 | 984.2 |
| 12/21/2021 | 13:30:00 - 13:45:00 | 37 | 41 | 44 | 41 | 37 | 15.1 | 116.5 | 6.2 | 73.5 | 983.5 |
| 12/21/2021 | 13:45:00 - 14:00:00 | 37 | 43 | 43 | 41 | 37 | 11.8 | 114.8 | 6.5 | 73.4 | 983.4 |
| 12/21/2021 | 14:00:00 - 14:15:00 | 39 | 44 | 40 | 42 | 38 | 10.2 | 118.8 | 6.9 | 70.2 | 982.8 |
| 12/21/2021 | 14:15:00 - 14:30:00 | 39 | 44 | 40 | 43 | 39 | 14.8 | 104.8 | 6.9 | 66.7 | 982.4 |
| 12/21/2021 | 14:30:00 - 14:45:00 | 38 | 45 | 39 | 44 | 39 | Offline | Offline | Offline | Offline | Offline |
| 12/21/2021 | 14:45:00 - 15:00:00 | 38 | 45 | 39 | 44 | 40 | 16.8 | 124.0 | 6.7 | 66.6 | 982.2 |
| 12/21/2021 | 15:00:00 - 15:15:00 | 38 | 46 | 38 | 45 | 40 | 15.3 | 108.0 | 6.5 | 66.8 | 982.3 |
| 12/21/2021 | 15:15:00 - 15:30:00 | 38 | 46 | 38 | 45 | 40 | 12.3 | 117.4 | 6.5 | 68.0 | 982.3 |
| 12/21/2021 | 15:30:00 - 15:45:00 | 37 | 46 | 38 | 45 | 40 | 11.8 | 109.1 | 6.3 | 68.2 | 982.2 |
| 12/21/2021 | 15:45:00 - 16:00:00 | 37 | 48 | 38 | 46 | 40 | 13.2 | 108.6 | 6.0 | 69.2 | 982.4 |
| 12/21/2021 | 16:00:00 - 16:15:00 | 37 | 48 | 38 | 46 | 40 | 14.3 | 97.9 | 5.8 | 71.1 | 982.5 |
| 12/21/2021 | 16:15:00 - 16:30:00 | 39 | 48 | 39 | 46 | 41 | 13.1 | 100.3 | 5.5 | 73.3 | 982.4 |
| 12/21/2021 | 16:30:00 - 16:45:00 | 38 | 48 | 38 | 46 | 41 | 9.6 | 94.3 | 5.2 | 75.2 | 982.5 |
| 12/21/2021 | 16:45:00 - 17:00:00 | 38 | 48 | 38 | 46 | 41 | 11.2 | 87.1 | 4.9 | 75.3 | 982.5 |
| 12/21/2021 | 17:00:00 - 17:15:00 | 37 | 48 | 38 | 47 | 41 | 10.5 | 86.5 | 4.7 | 74.0 | 982.6 |
| 12/21/2021 | 17:15:00 - 17:30:00 | 37 | 48 | 38 | 47 | 41 | 14.1 | 87.5 | 4.5 | 75.1 | 982.8 |
| 12/21/2021 | 17:30:00 - 17:45:00 | 37 | 47 | 38 | 47 | 41 | 10.8 | 77.2 | 4.1 | 77.3 | 983.2 |
| 12/21/2021 | 17:45:00 - 18:00:00 | 36 | 47 | 37 | 47 | 41 | 11.1 | 74.1 | 3.9 | 78.4 | 983.4 |
| 12/21/2021 | 18:00:00 - 18:15:00 | 36 | 47 | 37 | 47 | 41 | 12.6 | 81.5 | 3.9 | 77.3 | 983.5 |
| 12/21/2021 | 18:15:00 - 18:30:00 | 36 | 47 | 37 | 47 | 41 | 12.6 | 81.1 | 3.8 | 76.8 | 983.6 |
| 12/21/2021 | 18:30:00 - 18:45:00 | 35 | 46 | 36 | 47 | 40 | 13.2 | 76.0 | 3.6 | 76.2 | 983.7 |
| 12/21/2021 | 18:45:00 - 19:00:00 | 35 | 46 | 36 | 47 | 40 | 11.7 | 69.8 | 3.2 | 76.0 | 983.8 |
| 12/21/2021 | 19:00:00 - 19:15:00 | 35 | 46 | 36 | 47 | 40 | 12.7 | 76.9 | 3.0 | 76.0 | 983.8 |
| 12/21/2021 | 19:15:00 - 19:30:00 | 34 | 45 | 36 | 47 | 40 | 10.4 | 69.9 | 2.6 | 76.7 | 984.0 |
| 12/21/2021 | 19:30:00 - 19:45:00 | 34 | 45 | 35 | 47 | 40 | 12.6 | 74.0 | 2.3 | 77.0 | 984.0 |
| 12/21/2021 | 19:45:00 - 20:00:00 | 34 | 45 | 35 | 46 | 40 | 9.6 | 70.2 | 2.1 | 77.0 | 984.0 |
| 12/21/2021 | 20:00:00 - 20:15:00 | 33 | 45 | 35 | 46 | 40 | 13.1 | 68.6 | 2.0 | 76.7 | 984.1 |
| 12/21/2021 | 20:15:00 - 20:30:00 | 33 | 45 | 35 | 46 | 40 | 14.4 | 60.2 | 2.0 | 76.0 | 984.2 |
| 12/21/2021 | 20:30:00 - 20:45:00 | 33 | 44 | 34 | 46 | 39 | 12.5 | 59.5 | 1.6 | 77.6 | 984.5 |
| 12/21/2021 | 20:45:00 - 21:00:00 | 33 | 44 | 34 | 46 | 39 | 14.9 | 63.0 | 1.4 | 78.0 | 984.7 |
| 12/21/2021 | 21:00:00 - 21:15:00 | 32 | 44 | 34 | 46 | 39 | 16.3 | 54.9 | 1.4 | 76.1 | 984.8 |
| 12/21/2021 | 21:15:00 - 21:30:00 | 32 | 43 | 33 | 45 | 39 | 13.6 | 59.4 | 1.3 | 75.9 | 984.9 |
| 12/21/2021 | 21:30:00 - 21:45:00 | 31 | 43 | 33 | 45 | 38 | 15.2 | 59.6 | 1.2 | 75.2 | 985.0 |
| 12/21/2021 | 21:45:00 - 22:00:00 | 31 | 43 | 32 | 45 | 38 | 15.6 | 56.1 | 1.1 | 73.3 | 985.1 |
| 12/21/2021 | 22:00:00 - 22:15:00 | 30 | 42 | 32 | 44 | 38 | 14.3 | 56.6 | 0.9 | 73.8 | 985.1 |
| 12/21/2021 | 22:15:00 - 22:30:00 | 30 | 42 | 32 | 44 | 37 | 13.9 | 53.6 | 0.7 | 74.3 | 985.1 |
| 12/21/2021 | 22:30:00 - 22:45:00 | 29 | 41 | 31 | 44 | 37 | 14.7 | 54.0 | 0.5 | 74.7 | 985.3 |
| 12/21/2021 | 22:45:00 - 23:00:00 | 29 | 41 | 31 | 43 | 36 | 18.5 | 56.7 | 0.4 | 74.4 | 985.4 |
| 12/21/2021 | 23:00:00 - 23:15:00 | 29 | 40 | 30 | 43 | 36 | 20.1 | 51.7 | 0.4 | 71.0 | 985.6 |
| 12/21/2021 | 23:15:00 - 23:30:00 | 28 | 40 | 30 | 42 | 36 | 19.1 | 53.2 | 0.3 | 69.9 | 985.7 |
| 12/21/2021 | 23:30:00 - 23:45:00 | 28 | 39 | 29 | 42 | 35 | 20.7 | 60.4 | 0.1 | 71.9 | 985.8 |
| 12/22/2021 | 23:45:00 - 00:00:00 | 27 | 39 | 29 | 41 | 35 | 19.7 | 54.7 | 0.0 | 71.9 | 986.0 |
| 12/22/2021 | 00:00:00 - 00:15:00 | 27 | 38 | 29 | 41 | 34 | 18.9 | 56.0 | -0.2 | 71.8 | 986.1 |
| 12/22/2021 | 00:15:00 - 00:30:00 | 26 | 38 | 28 | 40 | 34 | 17.5 | 55.0 | -0.5 | 72.3 | 986.2 |
| 12/22/2021 | 00:30:00 - 00:45:00 | 26 | 38 | 28 | 40 | 34 | 16.1 | 46.4 | -0.8 | 72.6 | 986.2 |
| 12/22/2021 | 00:45:00 - 01:00:00 | 26 | 37 | 28 | 40 | 33 | 19.0 | 49.0 | -1.0 | 71.1 | 986.3 |
| 12/22/2021 | 01:00:00 - 01:15:00 | 25 | 37 | 27 | 39 | 33 | 14.9 | 46.1 | -1.3 | 73.3 | 986.5 |
| 12/22/2021 | 01:15:00 - 01:30:00 | 25 | 36 | 27 | 39 | 32 | 17.7 | 42.6 | -1.7 | 75.2 | 986.6 |
| 12/22/2021 | 01:30:00 - 01:45:00 | 25 | 36 | 27 | 38 | 32 | 15.6 | 53.2 | -2.0 | 74.3 | 986.6 |
| 12/22/2021 | 01:45:00 - 02:00:00 | 24 | 36 | 26 | 38 | 32 | 15.6 | 58.5 | -2.2 | 70.3 | 986.8 |
| 12/22/2021 | 02:00:00 - 02:15:00 | 24 | 35 | 26 | 38 | 31 | 11.8 | 52.1 | -2.4 | 70.1 | 987.1 |
| 12/22/2021 | 02:15:00 - 02:30:00 | 24 | 35 | 26 | 37 | 31 | 10.3 | 51.7 | -2.7 | 73.2 | 987.4 |
| 12/22/2021 | 02:30:00 - 02:45:00 | 23 | 35 | 25 | 37 | 31 | 11.0 | 60.9 | -3.0 | 75.1 | 987.8 |
| 12/22/2021 | 02:45:00 - 03:00:00 | 23 | 34 | 25 | 37 | 31 | 11.2 | 59.6 | -3.2 | 75.7 | 988.0 |
| 12/22/2021 | 03:00:00 - 03:15:00 | 23 | 34 | 25 | 36 | 30 | 13.1 | 57.5 | -3.3 | 73.8 | 988.2 |
| 12/22/2021 | 03:15:00 - 03:30:00 | 23 | 34 | 25 | 36 | 30 | 12.5 | 58.0 | -3.5 | 71.0 | 988.4 |
| 12/22/2021 | 03:30:00 - 03:45:00 | 22 | 33 | 24 | 36 | 30 | 14.0 | 51.0 | -3.8 | 67.9 | 988.7 |
| 12/22/2021 | 03:45:00 - 04:00:00 | 22 | 33 | 24 | 36 | 29 | 11.9 | 49.4 | -4.0 | 67.7 | 988.8 |
| 12/22/2021 | 04:00:00 - 04:15:00 | 22 | 33 | 24 | 35 | 29 | 10.2 | 57.1 | -4.3 | 69.3 | 988.8 |
| 12/22/2021 | 04:15:00 - 04:30:00 | 22 | 33 | 24 | 35 | 29 | 10.8 | 51.8 | -4.5 | 70.6 | 989.0 |
| 12/22/2021 | 04:30:00 - 04:45:00 | 21 | 32 | 24 | 35 | 29 | 12.6 | 46.3 | -4.7 | 69.5 | 989.2 |
| 12/22/2021 | 04:45:00 - 05:00:00 | 21 | 32 | 23 | 34 | 28 | 10.0 | 50.6 | -4.9 | 68.3 | 989.2 |
| 12/22/2021 | 05:00:00 - 05:15:00 | 21 | 32 | 23 | 34 | 28 | 9.7 | 66.1 | -5.1 | 70.5 | 989.4 |
| 12/22/2021 | 05:15:00 - 05:30:00 | 21 | 32 | 23 | 34 | 28 | 12.3 | 59.7 | -5.2 | 69.9 | 989.7 |
| 12/22/2021 | 05:30:00 - 05:45:00 | 21 | 31 | 23 | 34 | 28 | 11.3 | 59.0 | -5.4 | 69.1 | 989.9 |
| 12/22/2021 | 05:45:00 - 06:00:00 | 20 | 31 | 23 | 34 | 28 | 7.2 | 70.3 | -5.5 | 70.5 | 990.0 |
| 12/22/2021 | 06:00:00 - 06:15:00 | 20 | 31 | 23 | 33 | 27 | 6.7 | 69.8 | -5.7 | 72.5 | 990.0 |
| 12/22/2021 | 06:15:00 - 06:30:00 | 20 | 31 | 23 | 33 | 27 | 7.7 | 72.9 | -5.8 | 73.6 | 990.2 |
| 12/22/2021 | 06:30:00 - 06:45:00 | 20 | 31 | 22 | 33 | 27 | 7.9 | 76.2 | -5.9 | 72.5 | 990.5 |
| 12/22/2021 | 06:45:00 - 07:00:00 | 20 | 31 | 22 | 33 | 27 | 8.1 | 73.3 | -6.0 | 73.7 | 990.8 |
| 12/22/2021 | 07:00:00 - 07:15:00 | 20 | 30 | 22 | 33 | 27 | 7.8 | 78.8 | -6.1 | 75.0 | 991.1 |
| 12/22/2021 | 07:15:00 - 07:30:00 | 20 | 30 | 22 | 33 | 27 | 9.4 | 80.8 | -6.1 | 75.8 | 991.3 |
| 12/22/2021 | 07:30:00 - 07:45:00 | 20 | 30 | 22 | 33 | 27 | 9.5 | 78.4 | -6.1 | 75.7 | 991.4 |
| 12/22/2021 | 07:45:00 - 08:00:00 | 20 | 30 | 22 | 32 | 27 | 10.9 | 79.5 | -6.0 | 74.6 | 991.8 |
| 12/22/2021 | 08:00:00 - 08:15:00 | 20 | 31 | 22 | 32 | 26 | 9.6 | 77.7 | -6.0 | 74.0 | 991.8 |
| 12/22/2021 | 08:15:00 - 08:30:00 | 19 | 31 | 22 | 32 | 26 | 9.6 | 75.1 | -5.8 | 73.5 | 992.0 |
| 12/22/2021 | 08:30:00 - 08:45:00 | 19 | 31 | 22 | 32 | 26 | 8.8 | 73.6 | -5.6 | 72.1 | 992.3 |
| 12/22/2021 | 08:45:00 - 09:00:00 | 19 | 31 | 22 | 32 | 26 | 8.5 | 77.4 | -5.2 | 70.6 | 992.5 |
| 12/22/2021 | 09:00:00 - 09:15:00 | 19 | 31 | 21 | 32 | 26 | 10.0 | 69.9 | -5.0 | 68.8 | 992.5 |
| 12/22/2021 | 09:15:00 - 09:30:00 | 19 | 31 | 21 | 32 | 26 | 10.6 | 72.5 | -4.8 | 67.4 | 992.6 |
| 12/22/2021 | 09:30:00 - 09:45:00 | 19 | 31 | 21 | 31 | 25 | 9.8 | 81.0 | -4.4 | 65.9 | 992.8 |
| 12/22/2021 | 09:45:00 - 10:00:00 | 19 | 23 | 21 | 19 | 13 | 9.0 | 77.9 | -3.8 | 63.4 | 993.3 |
| 12/22/2021 | 10:00:00 - 10:15:00 | 19 | 19 | 21 | 16 | 13 | 9.1 | 82.8 | -3.5 | 62.0 | 993.5 |
| 12/22/2021 | 10:15:00 - 10:30:00 | 19 | 19 | 21 | 16 | 13 | 12.3 | 89.9 | -3.5 | 63.2 | 993.6 |
| 12/22/2021 | 10:30:00 - 10:45:00 | 18 | 18 | 21 | 15 | 12 | 9.8 | 84.1 | -3.1 | 62.0 | 993.7 |
| 12/22/2021 | 10:45:00 - 11:00:00 | 18 | 17 | 21 | 15 | 12 | 10.4 | 78.0 | -3.0 | 60.3 | 994.0 |
| 12/22/2021 | 11:00:00 - 11:15:00 | 18 | 17 | 21 | 15 | 12 | 13.0 | 82.9 | -2.9 | 59.8 | 994.0 |
| 12/22/2021 | 11:15:00 - 11:30:00 | 18 | 17 | 21 | 15 | 12 | 14.2 | 94.0 | -2.8 | 58.6 | 993.9 |
| 12/22/2021 | 11:30:00 - 11:45:00 | 18 | 17 | 20 | 15 | 12 | 12.9 | 70.9 | -2.3 | 58.1 | 994.0 |
| 12/22/2021 | 11:45:00 - 12:00:00 | 18 | 17 | 20 | 15 | 12 | 11.9 | 87.9 | -2.1 | 57.5 | 993.5 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 12/22/2021 | 12:00:00 - 12:15:00 | 18 | 17 | 20 | 15 | 12 | 6.9 | 109.2 | -1.7 | 57.7 | 992.8 |
| 12/22/2021 | 12:15:00 - 12:30:00 | 18 | 16 | 20 | 15 | 11 | 5.5 | 66.3 | -1.2 | 53.5 | 992.7 |
| 12/22/2021 | 12:30:00 - 12:45:00 | 17 | 16 | 20 | 15 | 11 | 7.4 | 88.1 | -0.5 | 51.0 | 992.9 |
| 12/22/2021 | 12:45:00 - 13:00:00 | 17 | 16 | 20 | 15 | 11 | 8.2 | 90.2 | -0.1 | 46.2 | 992.9 |
| 12/22/2021 | 13:00:00 - 13:15:00 | 17 | 15 | 20 | 15 | 11 | 11.3 | 72.5 | -0.3 | 46.2 | 993.0 |
| 12/22/2021 | 13:15:00 - 13:30:00 | 17 | 16 | 20 | 15 | 11 | 9.7 | 109.1 | 0.2 | 47.5 | 992.9 |
| 12/22/2021 | 13:30:00 - 13:45:00 | 17 | 15 | 20 | 15 | 11 | 8.2 | 99.3 | 0.4 | 48.5 | 992.9 |
| 12/22/2021 | 13:45:00 - 14:00:00 | 17 | 15 | 19 | 15 | 10 | 10.2 | 90.5 | 0.6 | 47.6 | 993.0 |
| 12/22/2021 | 14:00:00 - 14:15:00 | 17 | 16 | 19 | 15 | 10 | 8.4 | 95.6 | 0.7 | 48.2 | 992.8 |
| 12/22/2021 | 14:15:00 - 14:30:00 | 17 | 16 | 19 | 15 | 10 | 6.7 | 101.2 | 0.4 | 48.7 | 992.6 |
| 12/22/2021 | 14:30:00 - 14:45:00 | 16 | 15 | 19 | 15 | 10 | 5.5 | 95.4 | 0.5 | 46.6 | 992.5 |
| 12/22/2021 | 14:45:00 - 15:00:00 | 16 | 15 | 19 | 15 | 10 | 4.9 | 136.1 | 0.5 | 46.8 | 992.3 |
| 12/22/2021 | 15:00:00 - 15:15:00 | 16 | 15 | 19 | 15 | 10 | 7.0 | 115.3 | 1.0 | 48.0 | 992.2 |
| 12/22/2021 | 15:15:00 - 15:30:00 | 16 | 15 | 19 | 15 | 10 | 8.1 | 117.7 | 1.0 | 48.2 | 992.3 |
| 12/22/2021 | 15:30:00 - 15:45:00 | 16 | 14 | 19 | 15 | 10 | 5.3 | 110.8 | 1.0 | 46.8 | 992.3 |
| 12/22/2021 | 15:45:00 - 16:00:00 | 16 | 14 | 19 | 15 | 10 | 4.9 | 124.3 | 0.5 | 48.8 | 992.3 |
| 12/22/2021 | 16:00:00 - 16:15:00 | 16 | 14 | 18 | 15 | 10 | 5.4 | 126.8 | 0.3 | 50.3 | 992.3 |
| 12/22/2021 | 16:15:00 - 16:30:00 | 16 | 14 | 18 | 15 | 10 | 5.1 | 111.8 | 0.1 | 51.4 | 992.2 |
| 12/22/2021 | 16:30:00 - 16:45:00 | 16 | 14 | 18 | 15 | 10 | 4.3 | 95.4 | -0.1 | 52.8 | 992.0 |
| 12/22/2021 | 16:45:00 - 17:00:00 | 15 | 14 | 18 | 15 | 10 | 3.7 | 120.0 | -0.2 | 53.9 | 992.1 |
| 12/22/2021 | 17:00:00 - 17:15:00 | 15 | 14 | 18 | 15 | 10 | 4.4 | 136.7 | -0.2 | 54.3 | 992.1 |
| 12/22/2021 | 17:15:00 - 17:30:00 | 15 | 14 | 18 | 15 | 10 | 3.1 | 123.3 | -0.5 | 55.2 | 992.1 |
| 12/22/2021 | 17:30:00 - 17:45:00 | 15 | 14 | 18 | 15 | 10 | 2.4 | 101.4 | -0.8 | 56.8 | 992.3 |
| 12/22/2021 | 17:45:00 - 18:00:00 | 15 | 14 | 18 | 15 | 10 | 2.8 | 88.4 | -0.9 | 58.1 | 992.3 |
| 12/22/2021 | 18:00:00 - 18:15:00 | 15 | 14 | 18 | 15 | 10 | 2.4 | 100.9 | -0.9 | 59.4 | 992.3 |
| 12/22/2021 | 18:15:00 - 18:30:00 | 15 | 14 | 18 | 15 | 10 | 2.6 | 114.8 | -1.1 | 62.1 | 992.3 |
| 12/22/2021 | 18:30:00 - 18:45:00 | 15 | 14 | 18 | 15 | 10 | 3.2 | 136.6 | -1.1 | 65.3 | 992.2 |
| 12/22/2021 | 18:45:00 - 19:00:00 | 15 | 14 | 18 | 15 | 10 | 3.8 | 137.7 | -1.2 | 65.8 | 992.2 |
| 12/22/2021 | 19:00:00 - 19:15:00 | 15 | 14 | 18 | 15 | 10 | 4.6 | 143.4 | -1.3 | 66.6 | 992.1 |
| 12/22/2021 | 19:15:00 - 19:30:00 | 15 | 14 | 18 | 15 | 10 | 4.6 | 140.8 | -1.3 | 67.9 | 992.3 |
| 12/22/2021 | 19:30:00 - 19:45:00 | 15 | 14 | 17 | 15 | 10 | 4.5 | 141.6 | -1.4 | 67.4 | 992.4 |
| 12/22/2021 | 19:45:00 - 20:00:00 | 15 | 14 | 17 | 15 | 10 | 3.6 | 133.7 | -1.5 | 67.6 | 992.4 |
| 12/22/2021 | 20:00:00 - 20:15:00 | 14 | 14 | 17 | 15 | 10 | 4.6 | 143.5 | -1.6 | 67.7 | 992.4 |
| 12/22/2021 | 20:15:00 - 20:30:00 | 14 | 14 | 17 | 15 | 10 | 3.9 | 147.1 | -1.6 | 67.9 | 992.1 |
| 12/22/2021 | 20:30:00 - 20:45:00 | 14 | 14 | 17 | 15 | 10 | 5.0 | 148.7 | -1.6 | 67.7 | 992.0 |
| 12/22/2021 | 20:45:00 - 21:00:00 | 14 | 14 | 17 | 15 | 10 | 5.0 | 137.8 | -1.7 | 67.7 | 991.7 |
| 12/22/2021 | 21:00:00 - 21:15:00 | 14 | 14 | 17 | 15 | 10 | 4.7 | 144.2 | -1.8 | 68.0 | 991.6 |
| 12/22/2021 | 21:15:00 - 21:30:00 | 14 | 14 | 17 | 15 | 10 | 5.5 | 145.7 | -1.8 | 68.4 | 991.5 |
| 12/22/2021 | 21:30:00 - 21:45:00 | 14 | 14 | 17 | 15 | 10 | 5.1 | 155.4 | -2.1 | 70.6 | 991.4 |
| 12/22/2021 | 21:45:00 - 22:00:00 | 14 | 14 | 17 | 15 | 10 | 5.9 | 151.8 | -2.1 | 72.0 | 991.3 |
| 12/22/2021 | 22:00:00 - 22:15:00 | 14 | 14 | 17 | 15 | 10 | 5.6 | 148.5 | -2.2 | 72.3 | 991.2 |
| 12/22/2021 | 22:15:00 - 22:30:00 | 14 | 14 | 17 | 15 | 10 | 5.6 | 141.4 | -2.2 | 73.0 | 991.1 |
| 12/22/2021 | 22:30:00 - 22:45:00 | 14 | 14 | 17 | 15 | 10 | 6.4 | 149.2 | -2.0 | 72.8 | 991.2 |
| 12/22/2021 | 22:45:00 - 23:00:00 | 14 | 14 | 17 | 15 | 10 | 6.9 | 146.3 | -2.0 | 73.0 | 991.3 |
| 12/22/2021 | 23:00:00 - 23:15:00 | 14 | 14 | 17 | 15 | 10 | 4.6 | 138.3 | -1.9 | 72.7 | 991.2 |
| 12/22/2021 | 23:15:00 - 23:30:00 | 14 | 14 | 17 | 15 | 10 | 4.9 | 139.6 | -1.7 | 71.8 | 991.1 |
| 12/22/2021 | 23:30:00 - 23:45:00 | 14 | 14 | 17 | 15 | 10 | 4.5 | 141.3 | -1.5 | 70.9 | 991.1 |
| 12/23/2021 | 23:45:00 - 00:00:00 | 13 | 14 | 16 | 15 | 10 | 4.9 | 126.1 | -1.2 | 69.6 | 991.0 |
| 12/23/2021 | 00:00:00 - 00:15:00 | 13 | 13 | 16 | 15 | 10 | 5.9 | 145.9 | -1.0 | 68.3 | 990.8 |
| 12/23/2021 | 00:15:00 - 00:30:00 | 13 | 13 | 16 | 15 | 10 | 6.6 | 144.4 | -1.2 | 69.2 | 990.9 |
| 12/23/2021 | 00:30:00 - 00:45:00 | 13 | 13 | 16 | 15 | 10 | 7.3 | 142.4 | -1.5 | 71.4 | 990.9 |
| 12/23/2021 | 00:45:00 - 01:00:00 | 13 | 13 | 16 | 15 | 10 | 6.4 | 147.3 | -1.7 | 73.2 | 990.8 |
| 12/23/2021 | 01:00:00 - 01:15:00 | 13 | 13 | 16 | 15 | 10 | 5.5 | 147.4 | -1.8 | 74.0 | 990.9 |
| 12/23/2021 | 01:15:00 - 01:30:00 | 13 | 13 | 16 | 15 | 10 | 5.4 | 151.1 | -1.8 | 74.0 | 990.8 |
| 12/23/2021 | 01:30:00 - 01:45:00 | 13 | 13 | 16 | 15 | 10 | 5.5 | 145.3 | -1.9 | 74.9 | 990.7 |
| 12/23/2021 | 01:45:00 - 02:00:00 | 13 | 13 | 16 | 15 | 10 | 5.2 | 151.2 | -1.8 | 75.0 | 990.5 |
| 12/23/2021 | 02:00:00 - 02:15:00 | 13 | 13 | 16 | 15 | 10 | 6.7 | 152.7 | -1.7 | 74.2 | 990.4 |
| 12/23/2021 | 02:15:00 - 02:30:00 | 13 | 13 | 16 | 15 | 10 | 5.6 | 149.5 | -1.8 | 74.9 | 990.4 |
| 12/23/2021 | 02:30:00 - 02:45:00 | 13 | 13 | 16 | 15 | 10 | 5.9 | 149.6 | -1.7 | 74.9 | 990.2 |
| 12/23/2021 | 02:45:00 - 03:00:00 | 13 | 13 | 16 | 15 | 10 | 6.3 | 153.5 | -1.5 | 74.0 | 990.1 |
| 12/23/2021 | 03:00:00 - 03:15:00 | 13 | 13 | 16 | 15 | 10 | 5.8 | 145.2 | -1.5 | 74.0 | 990.0 |
| 12/23/2021 | 03:15:00 - 03:30:00 | 13 | 13 | 16 | 15 | 10 | 6.8 | 149.7 | -1.4 | 74.0 | 989.9 |
| 12/23/2021 | 03:30:00 - 03:45:00 | 13 | 13 | 16 | 15 | 10 | 6.7 | 146.4 | -1.4 | 74.9 | 989.9 |
| 12/23/2021 | 03:45:00 - 04:00:00 | 13 | 13 | 16 | 15 | 10 | 5.6 | 151.7 | -1.5 | 75.4 | 989.7 |
| 12/23/2021 | 04:00:00 - 04:15:00 | 13 | 14 | 16 | 15 | 10 | 7.3 | 151.4 | -1.5 | 76.0 | 989.1 |
| 12/23/2021 | 04:15:00 - 04:30:00 | 13 | 14 | 16 | 15 | 10 | 5.6 | 147.2 | -1.6 | 77.0 | 988.9 |
| 12/23/2021 | 04:30:00 - 04:45:00 | 13 | 14 | 16 | 15 | 10 | 5.5 | 138.4 | -1.7 | 78.0 | 988.6 |
| 12/23/2021 | 04:45:00 - 05:00:00 | 13 | 14 | 16 | 15 | 10 | 5.2 | 148.7 | -1.6 | 79.0 | 988.6 |
| 12/23/2021 | 05:00:00 - 05:15:00 | 13 | 14 | 16 | 15 | 10 | 5.2 | 149.8 | -1.5 | 79.3 | 988.5 |
| 12/23/2021 | 05:15:00 - 05:30:00 | 13 | 14 | 16 | 15 | 10 | 4.1 | 144.7 | -1.4 | 80.0 | 988.4 |
| 12/23/2021 | 05:30:00 - 05:45:00 | 13 | 14 | 16 | 15 | 10 | 4.4 | 146.9 | -1.4 | 80.0 | 988.4 |
| 12/23/2021 | 05:45:00 - 06:00:00 | 13 | 14 | 16 | 15 | 10 | 3.6 | 139.7 | -1.4 | 80.7 | 988.4 |
| 12/23/2021 | 06:00:00 - 06:15:00 | 13 | 14 | 16 | 15 | 11 | 3.8 | 136.4 | -1.2 | 80.5 | 988.3 |
| 12/23/2021 | 06:15:00 - 06:30:00 | 13 | 14 | 16 | 15 | 11 | 4.0 | 135.8 | -1.0 | 80.0 | 988.2 |
| 12/23/2021 | 06:30:00 - 06:45:00 | 12 | 14 | 16 | 15 | 11 | 4.7 | 132.8 | -0.9 | 79.0 | 988.2 |
| 12/23/2021 | 06:45:00 - 07:00:00 | 12 | 14 | 16 | 15 | 11 | 4.3 | 118.9 | -0.8 | 78.7 | 988.4 |
| 12/23/2021 | 07:00:00 - 07:15:00 | 12 | 14 | 16 | 15 | 11 | 5.0 | 138.4 | -0.5 | 77.5 | 988.5 |
| 12/23/2021 | 07:15:00 - 07:30:00 | 12 | 14 | 16 | 15 | 11 | 4.9 | 135.8 | -0.4 | 77.0 | 988.3 |
| 12/23/2021 | 07:30:00 - 07:45:00 | 12 | 14 | 16 | 15 | 11 | 4.5 | 129.6 | -0.5 | 77.8 | 988.1 |
| 12/23/2021 | 07:45:00 - 08:00:00 | 12 | 14 | 15 | 15 | 11 | 4.9 | 133.7 | -0.7 | 79.3 | 987.9 |
| 12/23/2021 | 08:00:00 - 08:15:00 | 12 | 14 | 15 | 15 | 11 | 5.5 | 137.2 | -0.8 | 80.0 | 987.6 |
| 12/23/2021 | 08:15:00 - 08:30:00 | 12 | 14 | 15 | 15 | 11 | 6.0 | 143.0 | -0.7 | 80.0 | 987.2 |
| 12/23/2021 | 08:30:00 - 08:45:00 | 12 | 14 | 15 | 15 | 11 | 6.5 | 139.8 | -0.5 | 80.0 | 987.3 |
| 12/23/2021 | 08:45:00 - 09:00:00 | 15 | 14 | 13 | 18 | 17 | 6.1 | 135.3 | 0.3 | 78.3 | 987.5 |
| 12/23/2021 | 09:00:00 - 09:15:00 | 9 | 14 | 13 | 17 | 16 | 5.5 | 129.9 | 0.9 | 76.8 | 987.6 |
| 12/23/2021 | 09:15:00 - 09:30:00 | 9 | 16 | 13 | 17 | 15 | 6.8 | 145.3 | 1.6 | 75.0 | 987.4 |
| 12/23/2021 | 09:30:00 - 09:45:00 | 9 | 18 | 14 | 18 | 15 | 9.1 | 139.2 | 2.3 | 72.7 | 987.3 |
| 12/23/2021 | 09:45:00 - 10:00:00 | 9 | 18 | 14 | 18 | 15 | 7.1 | 140.0 | 2.7 | 72.0 | 987.3 |
| 12/23/2021 | 10:00:00 - 10:15:00 | 9 | 18 | 14 | 19 | 15 | 8.5 | 142.7 | 2.9 | 72.0 | 987.0 |
| 12/23/2021 | 10:15:00 - 10:30:00 | 9 | 18 | 14 | 21 | 15 | 12.3 | 143.6 | 3.3 | 72.0 | 986.9 |
| 12/23/2021 | 10:30:00 - 10:45:00 | 9 | 18 | 14 | 21 | 15 | 12.4 | 148.5 | 3.9 | 71.5 | 986.8 |
| 12/23/2021 | 10:45:00 - 11:00:00 | 9 | 18 | 14 | 21 | 15 | 13.6 | 156.5 | 4.3 | 71.0 | 986.4 |
| 12/23/2021 | 11:00:00 - 11:15:00 | 9 | 18 | 14 | 21 | 15 | 14.6 | 152.7 | 4.7 | 71.1 | 986.1 |
| 12/23/2021 | 11:15:00 - 11:30:00 | 10 | 18 | 14 | 21 | 15 | 17.3 | 150.9 | 5.0 | 71.4 | 986.3 |
| 12/23/2021 | 11:30:00 - 11:45:00 | 10 | 19 | 14 | 21 | 16 | 15.7 | 153.8 | 5.3 | 71.8 | 985.8 |
| 12/23/2021 | 11:45:00 - 12:00:00 | 10 | 19 | 15 | 21 | 16 | 16.6 | 155.6 | 5.7 | 72.0 | 985.3 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 12/23/2021 | 12:00:00 - 12:15:00 | 10 | 19 | 15 | 21 | 16 | 14.3 | 147.5 | 6.1 | 71.9 | 984.7 |
| 12/23/2021 | 12:15:00 - 12:30:00 | 10 | 19 | 15 | 21 | 16 | 14.8 | 148.2 | 6.9 | 71.5 | 984.2 |
| 12/23/2021 | 12:30:00 - 12:45:00 | 11 | 19 | 15 | 21 | 16 | 17.9 | 152.1 | 7.3 | 71.0 | 983.8 |
| 12/23/2021 | 12:45:00 - 13:00:00 | 11 | 19 | 15 | 21 | 16 | 17.8 | 149.8 | 7.1 | 72.3 | 983.5 |
| 12/23/2021 | 13:00:00 - 13:15:00 | 11 | 20 | 16 | 21 | 17 | 15.9 | 149.1 | 7.6 | 73.0 | 983.1 |
| 12/23/2021 | 13:15:00 - 13:30:00 | 11 | 20 | 16 | 21 | 17 | 14.3 | 148.8 | 8.0 | 73.5 | 982.7 |
| 12/23/2021 | 13:30:00 - 13:45:00 | 12 | 20 | 16 | 22 | 17 | 16.7 | 142.9 | 8.3 | 73.6 | 982.4 |
| 12/23/2021 | 13:45:00 - 14:00:00 | 12 | 20 | 16 | 22 | 17 | 17.8 | 155.2 | 8.3 | 74.4 | 982.3 |
| 12/23/2021 | 14:00:00 - 14:15:00 | 12 | 20 | 16 | 22 | 18 | 16.6 | 153.2 | 8.4 | 75.6 | 982.2 |
| 12/23/2021 | 14:15:00 - 14:30:00 | 12 | 21 | 17 | 22 | 18 | 18.0 | 141.1 | 8.8 | 76.4 | 982.0 |
| 12/23/2021 | 14:30:00 - 14:45:00 | 13 | 21 | 17 | 23 | 18 | 17.0 | 146.9 | 9.3 | 78.1 | 982.0 |
| 12/23/2021 | 14:45:00 - 15:00:00 | 13 | 22 | 17 | 23 | 19 | 16.7 | 145.4 | 9.5 | 79.0 | 982.0 |
| 12/23/2021 | 15:00:00 - 15:15:00 | 13 | 22 | 18 | 23 | 19 | 15.3 | 144.2 | 9.6 | 79.0 | 981.9 |
| 12/23/2021 | 15:15:00 - 15:30:00 | 14 | 22 | 18 | 24 | 19 | 18.4 | 143.4 | 9.8 | 78.8 | 981.9 |
| 12/23/2021 | 15:30:00 - 15:45:00 | 14 | 22 | 18 | 24 | 20 | 16.7 | 142.8 | 10.0 | 79.4 | 981.8 |
| 12/23/2021 | 15:45:00 - 16:00:00 | 14 | 23 | 19 | 24 | 20 | 17.9 | 146.1 | 10.2 | 80.0 | 982.0 |
| 12/23/2021 | 16:00:00 - 16:15:00 | 14 | 23 | 19 | 25 | 20 | 14.8 | 144.7 | 10.2 | 80.0 | 982.1 |
| 12/23/2021 | 16:15:00 - 16:30:00 | 14 | 23 | 19 | 25 | 20 | 14.7 | 139.8 | 10.2 | 79.8 | 982.3 |
| 12/23/2021 | 16:30:00 - 16:45:00 | 14 | 23 | 19 | 25 | 20 | 15.8 | 140.4 | 10.2 | 79.1 | 982.5 |
| 12/23/2021 | 16:45:00 - 17:00:00 | 15 | 23 | 19 | 25 | 20 | 14.0 | 148.6 | 10.2 | 79.7 | 982.5 |
| 12/23/2021 | 17:00:00 - 17:15:00 | 15 | 23 | 19 | 25 | 20 | 12.8 | 140.3 | 10.2 | 79.0 | 982.7 |
| 12/23/2021 | 17:15:00 - 17:30:00 | 15 | 23 | 19 | 25 | 20 | 13.3 | 143.1 | 10.1 | 78.9 | 982.7 |
| 12/23/2021 | 17:30:00 - 17:45:00 | 15 | 23 | 19 | 25 | 20 | 13.0 | 145.3 | 9.8 | 79.0 | 982.7 |
| 12/23/2021 | 17:45:00 - 18:00:00 | 15 | 23 | 19 | 25 | 21 | 12.8 | 136.6 | 9.5 | 79.4 | 982.7 |
| 12/23/2021 | 18:00:00 - 18:15:00 | 15 | 23 | 20 | 25 | 21 | 13.4 | 145.9 | 9.3 | 80.0 | 982.6 |
| 12/23/2021 | 18:15:00 - 18:30:00 | 15 | 23 | 20 | 25 | 21 | 10.8 | 141.1 | 9.2 | 80.4 | 982.6 |
| 12/23/2021 | 18:30:00 - 18:45:00 | 15 | 23 | 20 | 26 | 21 | 11.3 | 148.8 | 8.9 | 81.5 | 982.7 |
| 12/23/2021 | 18:45:00 - 19:00:00 | 15 | 23 | 20 | 26 | 21 | 8.5 | 139.3 | 8.6 | 82.5 | 982.8 |
| 12/23/2021 | 19:00:00 - 19:15:00 | 15 | 24 | 20 | 26 | 21 | 7.0 | 138.0 | 8.3 | 83.8 | 982.7 |
| 12/23/2021 | 19:15:00 - 19:30:00 | 15 | 24 | 20 | 26 | 21 | 7.2 | 144.1 | 8.2 | 85.0 | 982.9 |
| 12/23/2021 | 19:30:00 - 19:45:00 | 15 | 24 | 20 | 26 | 21 | 9.0 | 140.6 | 8.0 | 86.0 | 982.9 |
| 12/23/2021 | 19:45:00 - 20:00:00 | 16 | 24 | 21 | 26 | 21 | 8.4 | 150.3 | 7.8 | 86.8 | 983.0 |
| 12/23/2021 | 20:00:00 - 20:15:00 | 16 | 24 | 21 | 27 | 22 | 11.2 | 146.4 | 8.0 | 87.0 | 983.0 |
| 12/23/2021 | 20:15:00 - 20:30:00 | 16 | 24 | 21 | 27 | 22 | 10.3 | 141.2 | 7.9 | 87.6 | 983.1 |
| 12/23/2021 | 20:30:00 - 20:45:00 | 16 | 25 | 21 | 27 | 22 | 7.8 | 139.5 | 7.8 | 88.8 | 983.1 |
| 12/23/2021 | 20:45:00 - 21:00:00 | 16 | 25 | 22 | 28 | 23 | 7.3 | 140.9 | 7.6 | 89.8 | 983.3 |
| 12/23/2021 | 21:00:00 - 21:15:00 | 16 | 25 | 22 | 28 | 23 | 9.1 | 149.1 | 7.7 | 90.0 | 983.2 |
| 12/23/2021 | 21:15:00 - 21:30:00 | 16 | 25 | 22 | 28 | 23 | 8.5 | 139.2 | 7.9 | 90.9 | 983.4 |
| 12/23/2021 | 21:30:00 - 21:45:00 | 17 | 26 | 22 | 29 | 23 | 10.6 | 149.8 | 7.9 | 91.2 | 983.3 |
| 12/23/2021 | 21:45:00 - 22:00:00 | 17 | 26 | 22 | 29 | 23 | 9.9 | 152.6 | 7.9 | 91.8 | 983.4 |
| 12/23/2021 | 22:00:00 - 22:15:00 | 17 | 26 | 22 | 29 | 24 | 9.7 | 148.9 | 7.9 | 92.0 | 983.5 |
| 12/23/2021 | 22:15:00 - 22:30:00 | 17 | 26 | 23 | 29 | 24 | 10.6 | 146.1 | 8.0 | 92.0 | 983.7 |
| 12/23/2021 | 22:30:00 - 22:45:00 | 17 | 26 | 23 | 29 | 24 | 9.6 | 150.7 | 8.0 | 92.0 | 983.5 |
| 12/23/2021 | 22:45:00 - 23:00:00 | 17 | 26 | 23 | 30 | 24 | 11.4 | 147.1 | 8.1 | 92.0 | 983.6 |
| 12/23/2021 | 23:00:00 - 23:15:00 | 17 | 26 | 23 | 30 | 24 | 13.1 | 151.1 | 8.1 | 91.6 | 983.5 |
| 12/23/2021 | 23:15:00 - 23:30:00 | 17 | 27 | 23 | 30 | 24 | 12.5 | 149.5 | 8.0 | 91.0 | 983.5 |
| 12/23/2021 | 23:30:00 - 23:45:00 | 17 | 27 | 23 | 30 | 24 | 11.4 | 154.9 | 8.0 | 91.0 | 983.4 |
| 12/24/2021 | 23:45:00 - 00:00:00 | 17 | 27 | 23 | 30 | 24 | 13.6 | 151.8 | 8.1 | 90.7 | 983.4 |
| 12/24/2021 | 00:00:00 - 00:15:00 | 17 | 27 | 23 | 30 | 24 | 12.9 | 150.4 | 8.2 | 90.0 | 983.6 |
| 12/24/2021 | 00:15:00 - 00:30:00 | 17 | 27 | 23 | 30 | 24 | 12.0 | 154.3 | 8.1 | 90.0 | 983.7 |
| 12/24/2021 | 00:30:00 - 00:45:00 | 17 | 27 | 23 | 30 | 24 | 13.2 | 148.1 | 8.0 | 90.0 | 983.7 |
| 12/24/2021 | 00:45:00 - 01:00:00 | 17 | 27 | 23 | 30 | 24 | 12.4 | 148.8 | 8.2 | 90.0 | 983.6 |
| 12/24/2021 | 01:00:00 - 01:15:00 | 17 | 27 | 23 | 30 | 24 | 12.0 | 150.4 | 8.4 | 89.1 | 983.7 |
| 12/24/2021 | 01:15:00 - 01:30:00 | 17 | 27 | 23 | 30 | 24 | 12.7 | 154.0 | 8.7 | 88.5 | 983.6 |
| 12/24/2021 | 01:30:00 - 01:45:00 | 17 | 27 | 23 | 30 | 24 | 11.9 | 157.9 | 8.8 | 88.0 | 983.5 |
| 12/24/2021 | 01:45:00 - 02:00:00 | 17 | 27 | 23 | 30 | 24 | 13.1 | 155.7 | 8.9 | 88.0 | 983.6 |
| 12/24/2021 | 02:00:00 - 02:15:00 | 17 | 27 | 23 | 30 | 24 | 9.4 | 153.9 | 9.1 | 87.9 | 983.5 |
| 12/24/2021 | 02:15:00 - 02:30:00 | 17 | 27 | 23 | 30 | 24 | 6.4 | 150.0 | 9.0 | 87.7 | 983.4 |
| 12/24/2021 | 02:30:00 - 02:45:00 | 17 | 27 | 23 | 30 | 24 | 5.0 | 144.6 | 8.7 | 88.2 | 983.1 |
| 12/24/2021 | 02:45:00 - 03:00:00 | 17 | 27 | 23 | 30 | 24 | 4.9 | 152.4 | 8.2 | 89.6 | 982.8 |
| 12/24/2021 | 03:00:00 - 03:15:00 | 17 | 27 | 23 | 30 | 24 | 4.0 | 145.4 | 7.7 | 91.1 | 982.8 |
| 12/24/2021 | 03:15:00 - 03:30:00 | 17 | 27 | 23 | 30 | 24 | 4.0 | 136.3 | 7.3 | 92.2 | 983.1 |
| 12/24/2021 | 03:30:00 - 03:45:00 | 17 | 27 | 23 | 30 | 24 | 4.2 | 142.3 | 7.0 | 93.0 | 983.0 |
| 12/24/2021 | 03:45:00 - 04:00:00 | 17 | 27 | 23 | 30 | 24 | 4.1 | 144.5 | 6.8 | 93.1 | 982.9 |
| 12/24/2021 | 04:00:00 - 04:15:00 | 17 | 27 | 23 | 30 | 24 | 4.5 | 134.6 | 6.7 | 93.6 | 982.6 |
| 12/24/2021 | 04:15:00 - 04:30:00 | 17 | 27 | 23 | 30 | 24 | 3.6 | 132.0 | 6.6 | 93.8 | 982.3 |
| 12/24/2021 | 04:30:00 - 04:45:00 | 17 | 27 | 23 | 30 | 24 | 4.0 | 133.7 | 6.4 | 94.0 | 982.0 |
| 12/24/2021 | 04:45:00 - 05:00:00 | 17 | 27 | 23 | 30 | 24 | 5.6 | 143.5 | 6.4 | 94.0 | 981.9 |
| 12/24/2021 | 05:00:00 - 05:15:00 | 17 | 27 | 23 | 30 | 24 | 4.3 | 129.9 | 6.2 | 94.0 | 981.9 |
| 12/24/2021 | 05:15:00 - 05:30:00 | 17 | 27 | 23 | 30 | 24 | 3.9 | 131.5 | 6.0 | 94.0 | 981.8 |
| 12/24/2021 | 05:30:00 - 05:45:00 | 17 | 27 | 23 | 30 | 24 | 5.9 | 154.9 | 5.9 | 93.7 | 981.8 |
| 12/24/2021 | 05:45:00 - 06:00:00 | 17 | 27 | 23 | 30 | 24 | 6.4 | 149.6 | 5.8 | 93.1 | 981.6 |
| 12/24/2021 | 06:00:00 - 06:15:00 | 17 | 27 | 23 | 30 | 24 | 7.5 | 145.0 | 5.6 | 93.1 | 981.5 |
| 12/24/2021 | 06:15:00 - 06:30:00 | 17 | 27 | 23 | 30 | 24 | 5.6 | 142.9 | 5.6 | 93.0 | 981.3 |
| 12/24/2021 | 06:30:00 - 06:45:00 | 17 | 27 | 23 | 30 | 24 | 4.7 | 130.4 | 5.9 | 92.6 | 981.1 |
| 12/24/2021 | 06:45:00 - 07:00:00 | 17 | 27 | 23 | 30 | 24 | 4.8 | 130.5 | 6.3 | 91.5 | 981.0 |
| 12/24/2021 | 07:00:00 - 07:15:00 | 17 | 27 | 23 | 30 | 24 | 5.8 | 141.0 | 6.5 | 90.5 | 980.8 |
| 12/24/2021 | 07:15:00 - 07:30:00 | 17 | 27 | 23 | 30 | 24 | 5.5 | 139.8 | 6.7 | 89.5 | 980.7 |
| 12/24/2021 | 07:30:00 - 07:45:00 | 17 | 26 | 23 | 30 | 24 | 7.1 | 151.7 | 6.8 | 89.0 | 980.4 |
| 12/24/2021 | 07:45:00 - 08:00:00 | 17 | 26 | 23 | 30 | 24 | 6.3 | 148.3 | 6.8 | 89.0 | 980.2 |
| 12/24/2021 | 08:00:00 - 08:15:00 | 17 | 26 | 23 | 30 | 24 | 7.4 | 145.1 | 6.9 | 88.7 | 979.9 |
| 12/24/2021 | 08:15:00 - 08:30:00 | 17 | 26 | 23 | 30 | 24 | 7.4 | 143.3 | 7.0 | 88.8 | 979.7 |
| 12/24/2021 | 08:30:00 - 08:45:00 | 17 | 26 | 23 | 29 | 24 | 7.6 | 142.0 | 7.3 | 88.5 | 979.7 |
| 12/24/2021 | 08:45:00 - 09:00:00 | 17 | 26 | 23 | 29 | 24 | 7.9 | 149.0 | 7.6 | 88.9 | 979.7 |
| 12/24/2021 | 09:00:00 - 09:15:00 | 17 | 26 | 23 | 29 | 24 | 7.0 | 144.9 | 8.2 | 88.2 | 979.4 |
| 12/24/2021 | 09:15:00 - 09:30:00 | 17 | 26 | 23 | 29 | 24 | 8.1 | 149.0 | 8.6 | 88.0 | 979.1 |
| 12/24/2021 | 09:30:00 - 09:45:00 | 17 | 26 | 23 | 29 | 24 | 8.6 | 152.5 | 9.0 | 88.0 | 979.0 |
| 12/24/2021 | 09:45:00 - 10:00:00 | 17 | 26 | 23 | 29 | 24 | 9.7 | 147.8 | 9.4 | 88.0 | 978.7 |
| 12/24/2021 | 10:00:00 - 10:15:00 | 17 | 26 | 23 | 29 | 24 | 10.1 | 152.0 | 9.7 | 89.3 | 978.7 |
| 12/24/2021 | 10:15:00 - 10:30:00 | 17 | 26 | 23 | 29 | 24 | 9.3 | 152.3 | 10.1 | 90.5 | 978.3 |
| 12/24/2021 | 10:30:00 - 10:45:00 | 17 | 26 | 23 | 29 | 24 | 10.1 | 152.6 | 10.5 | 91.0 | 978.2 |
| 12/24/2021 | 10:45:00 - 11:00:00 | 17 | 26 | 23 | 29 | 24 | 9.7 | 153.3 | 10.7 | 91.0 | 978.2 |
| 12/24/2021 | 11:00:00 - 11:15:00 | 17 | 26 | 23 | 29 | 24 | 9.2 | 146.3 | 11.1 | 91.0 | 977.6 |
| 12/24/2021 | 11:15:00 - 11:30:00 | 17 | 26 | 23 | 29 | 24 | 10.1 | 153.3 | 11.8 | 90.2 | 977.7 |
| 12/24/2021 | 11:30:00 - 11:45:00 | 17 | 26 | 23 | 29 | 24 | 10.3 | 153.9 | 12.3 | 89.1 | 977.4 |
| 12/24/2021 | 11:45:00 - 12:00:00 | 17 | 26 | 23 | 29 | 24 | 9.3 | 149.8 | 12.5 | 89.0 | 976.6 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 12/24/2021 | 12:00:00 - 12:15:00 | 17 | 26 | 23 | 29 | 24 | 11.1 | 154.9 | 12.6 | 89.0 | 976.4 |
| 12/24/2021 | 12:15:00 - 12:30:00 | 17 | 26 | 23 | 29 | 24 | 11.4 | 156.0 | 12.7 | 89.0 | 976.1 |
| 12/24/2021 | 12:30:00 - 12:45:00 | 17 | 26 | 23 | 29 | 24 | 10.4 | 155.4 | 12.7 | 89.0 | 975.9 |
| 12/24/2021 | 12:45:00 - 13:00:00 | 17 | 26 | 23 | 29 | 24 | 9.0 | 152.3 | 12.7 | 89.4 | 975.4 |
| 12/24/2021 | 13:00:00 - 13:15:00 | 17 | 26 | 23 | 29 | 24 | 10.8 | 160.8 | 12.8 | 90.0 | 975.0 |
| 12/24/2021 | 13:15:00 - 13:30:00 | 17 | 26 | 23 | 30 | 24 | 11.5 | 158.9 | 12.9 | 90.0 | 974.7 |
| 12/24/2021 | 13:30:00 - 13:45:00 | 17 | 26 | 23 | 30 | 24 | 9.6 | 156.3 | 13.0 | 90.0 | 974.2 |
| 12/24/2021 | 13:45:00 - 14:00:00 | 17 | 26 | 23 | 30 | 24 | 9.5 | 153.2 | 13.2 | 90.0 | 973.8 |
| 12/24/2021 | 14:00:00 - 14:15:00 | 17 | 26 | 23 | 30 | 24 | 10.4 | 154.7 | 13.5 | 89.5 | 973.5 |
| 12/24/2021 | 14:15:00 - 14:30:00 | 17 | 26 | 23 | 30 | 24 | 10.4 | 153.7 | 13.7 | 88.9 | 973.1 |
| 12/24/2021 | 14:30:00 - 14:45:00 | 17 | 26 | 23 | 30 | 24 | 10.3 | 144.6 | 13.8 | 88.6 | 972.7 |
| 12/24/2021 | 14:45:00 - 15:00:00 | 17 | 26 | 23 | 30 | 24 | 11.1 | 157.5 | 14.0 | 88.0 | 972.7 |
| 12/24/2021 | 15:00:00 - 15:15:00 | 17 | 26 | 23 | 30 | 24 | 13.3 | 157.5 | 14.1 | 87.7 | 972.7 |
| 12/24/2021 | 15:15:00 - 15:30:00 | 17 | 26 | 23 | 30 | 24 | 12.2 | 153.2 | 14.2 | 87.0 | 972.8 |
| 12/24/2021 | 15:30:00 - 15:45:00 | 17 | 26 | 23 | 30 | 24 | 12.0 | 157.2 | 14.2 | 87.3 | 972.6 |
| 12/24/2021 | 15:45:00 - 16:00:00 | 17 | 26 | 23 | 30 | 24 | 9.9 | 157.8 | 14.2 | 87.6 | 972.8 |
| 12/24/2021 | 16:00:00 - 16:15:00 | 17 | 26 | 23 | 30 | 24 | 10.1 | 160.0 | 14.1 | 88.0 | 973.0 |
| 12/24/2021 | 16:15:00 - 16:30:00 | 17 | 26 | 23 | 30 | 24 | 9.4 | 154.7 | 14.1 | 88.3 | 972.9 |
| 12/24/2021 | 16:30:00 - 16:45:00 | 17 | 26 | 23 | 30 | 24 | 9.4 | 154.2 | 13.9 | 89.0 | 972.7 |
| 12/24/2021 | 16:45:00 - 17:00:00 | 17 | 26 | 23 | 30 | 24 | 10.1 | 154.1 | 13.7 | 90.0 | 972.4 |
| 12/24/2021 | 17:00:00 - 17:15:00 | 17 | 26 | 23 | 30 | 24 | 8.8 | 159.0 | 13.5 | 91.0 | 972.2 |
| 12/24/2021 | 17:15:00 - 17:30:00 | 17 | 26 | 23 | 30 | Offline | 8.9 | 151.3 | 13.4 | 91.7 | 971.9 |
| 12/24/2021 | 17:30:00 - 17:45:00 | 17 | 26 | 23 | 30 | Offline | 9.6 | 158.0 | 13.4 | 91.7 | 971.7 |
| 12/24/2021 | 17:45:00 - 18:00:00 | 17 | 26 | 23 | 30 | Offline | 8.9 | 157.6 | 13.4 | 91.5 | 972.0 |
| 12/24/2021 | 18:00:00 - 18:15:00 | 17 | 26 | 23 | 30 | Offline | 7.8 | 154.2 | 13.2 | 92.0 | 972.3 |
| 12/24/2021 | 18:15:00 - 18:30:00 | 17 | 26 | 23 | 30 | Offline | 9.8 | 155.7 | 13.3 | 91.9 | 972.3 |
| 12/24/2021 | 18:30:00 - 18:45:00 | 17 | 26 | 23 | 30 | Offline | 10.4 | 158.3 | 13.4 | 91.4 | 972.4 |
| 12/24/2021 | 18:45:00 - 19:00:00 | 17 | 26 | 23 | 30 | Offline | 13.0 | 158.0 | 13.8 | 90.8 | 972.5 |
| 12/24/2021 | 19:00:00 - 19:15:00 | 17 | 26 | 23 | 30 | Offline | 14.0 | 159.3 | 13.9 | 90.7 | 972.7 |
| 12/24/2021 | 19:15:00 - 19:30:00 | 17 | 26 | 23 | 29 | Offline | 15.7 | 156.1 | 14.0 | 91.0 | 972.8 |
| 12/24/2021 | 19:30:00 - 19:45:00 | 17 | 26 | 23 | 29 | Offline | 17.5 | 153.1 | 14.1 | 91.0 | 972.9 |
| 12/24/2021 | 19:45:00 - 20:00:00 | 17 | 26 | 23 | 29 | Offline | 15.8 | 156.9 | 14.1 | 91.0 | 972.7 |
| 12/24/2021 | 20:00:00 - 20:15:00 | 17 | 26 | 23 | 29 | Offline | 13.9 | 155.0 | 14.2 | 91.0 | 972.8 |
| 12/24/2021 | 20:15:00 - 20:30:00 | 17 | 26 | 23 | 29 | Offline | 16.3 | 155.6 | 14.3 | 91.0 | 973.1 |
| 12/24/2021 | 20:30:00 - 20:45:00 | 17 | 26 | 23 | 29 | Offline | 15.6 | 155.1 | 14.3 | 91.0 | 973.0 |
| 12/24/2021 | 20:45:00 - 21:00:00 | 17 | 26 | 23 | 29 | Offline | 15.5 | 153.9 | 14.3 | 91.0 | 973.0 |
| 12/24/2021 | 21:00:00 - 21:15:00 | 17 | 26 | 23 | 29 | Offline | 16.8 | 153.7 | 14.4 | 91.0 | 972.8 |
| 12/24/2021 | 21:15:00 - 21:30:00 | 17 | 26 | 22 | 29 | Offline | 17.4 | 156.8 | 14.6 | 91.0 | 972.8 |
| 12/24/2021 | 21:30:00 - 21:45:00 | 17 | 26 | 22 | 29 | Offline | 17.3 | 154.9 | 14.9 | 90.7 | 972.7 |
| 12/24/2021 | 21:45:00 - 22:00:00 | 17 | 26 | 22 | 29 | Offline | 15.0 | 159.3 | 15.0 | 90.1 | 972.6 |
| 12/24/2021 | 22:00:00 - 22:15:00 | 17 | 26 | 22 | 29 | Offline | 14.8 | 153.3 | 15.2 | 89.7 | 972.6 |
| 12/24/2021 | 22:15:00 - 22:30:00 | 17 | 26 | 22 | 29 | Offline | 16.7 | 149.4 | 15.4 | 88.9 | 972.7 |
| 12/24/2021 | 22:30:00 - 22:45:00 | 17 | 26 | 22 | 29 | Offline | 13.6 | 147.4 | 15.6 | 88.0 | 972.7 |
| 12/24/2021 | 22:45:00 - 23:00:00 | 17 | 25 | 22 | 29 | Offline | 15.2 | 148.5 | 15.7 | 88.0 | 972.6 |
| 12/24/2021 | 23:00:00 - 23:15:00 | 17 | 25 | 22 | 29 | Offline | 13.2 | 152.0 | 15.8 | 87.6 | 972.7 |
| 12/24/2021 | 23:15:00 - 23:30:00 | 17 | 25 | 22 | 29 | Offline | 16.8 | 147.6 | 16.0 | 87.0 | 972.9 |
| 12/24/2021 | 23:30:00 - 23:45:00 | 17 | 25 | 22 | 29 | Offline | 16.6 | 145.3 | 16.0 | 87.0 | 972.8 |
| 12/25/2021 | 23:45:00 - 00:00:00 | 17 | 25 | 22 | 29 | Offline | 16.7 | 146.8 | 16.0 | 87.2 | 972.7 |
| 12/25/2021 | 00:00:00 - 00:15:00 | 17 | 25 | 22 | 29 | Offline | 14.5 | 148.2 | 15.8 | 88.7 | 972.9 |
| 12/25/2021 | 00:15:00 - 00:30:00 | 17 | 25 | 22 | 29 | Offline | 15.3 | 147.3 | 15.5 | 90.6 | 972.8 |
| 12/25/2021 | 00:30:00 - 00:45:00 | 17 | 25 | 22 | 29 | Offline | 12.5 | 145.4 | 15.3 | 92.1 | 972.6 |
| 12/25/2021 | 00:45:00 - 01:00:00 | 17 | 25 | 22 | 29 | Offline | 13.4 | 144.6 | 15.2 | 93.0 | 972.4 |
| 12/25/2021 | 01:00:00 - 01:15:00 | 17 | 25 | 22 | 29 | Offline | 13.5 | 146.5 | 15.2 | 93.0 | 972.2 |
| 12/25/2021 | 01:15:00 - 01:30:00 | 17 | 25 | 22 | 29 | Offline | 12.6 | 153.6 | 15.3 | 93.2 | 971.9 |
| 12/25/2021 | 01:30:00 - 01:45:00 | 17 | 25 | 22 | 29 | Offline | 12.8 | 152.2 | 15.3 | 93.0 | 971.7 |
| 12/25/2021 | 01:45:00 - 02:00:00 | 17 | 25 | 22 | 29 | Offline | 10.8 | 151.3 | 15.2 | 93.0 | 971.7 |
| 12/25/2021 | 02:00:00 - 02:15:00 | 17 | 25 | 22 | 29 | Offline | 11.4 | 157.5 | 15.3 | 93.0 | 971.6 |
| 12/25/2021 | 02:15:00 - 02:30:00 | 17 | 25 | 22 | 29 | Offline | 13.5 | 157.9 | 15.4 | 92.1 | 971.6 |
| 12/25/2021 | 02:30:00 - 02:45:00 | 17 | 25 | 22 | 29 | Offline | 13.4 | 157.2 | 15.5 | 91.8 | 971.9 |
| 12/25/2021 | 02:45:00 - 03:00:00 | 17 | 25 | 22 | 29 | Offline | 13.5 | 151.0 | 15.6 | 91.3 | 971.9 |
| 12/25/2021 | 03:00:00 - 03:15:00 | 17 | 25 | 22 | 29 | Offline | 13.8 | 141.7 | 15.6 | 92.2 | 972.4 |
| 12/25/2021 | 03:15:00 - 03:30:00 | 17 | 25 | 22 | 29 | Offline | 11.0 | 137.8 | 15.4 | 93.4 | 972.8 |
| 12/25/2021 | 03:30:00 - 03:45:00 | 17 | 25 | 22 | 29 | Offline | 10.9 | 139.9 | 15.1 | 95.8 | 972.8 |
| 12/25/2021 | 03:45:00 - 04:00:00 | 17 | 25 | 22 | 29 | Offline | 11.5 | 145.0 | 15.1 | 96.2 | 972.7 |
| 12/25/2021 | 04:00:00 - 04:15:00 | 17 | 25 | 22 | 29 | Offline | 13.3 | 148.4 | 15.2 | 95.1 | 972.7 |
| 12/25/2021 | 04:15:00 - 04:30:00 | 17 | 25 | 22 | 29 | Offline | 12.2 | 147.2 | 15.2 | 95.6 | 972.7 |
| 12/25/2021 | 04:30:00 - 04:45:00 | 17 | 25 | 22 | 29 | Offline | 10.2 | 132.7 | 15.2 | 96.0 | 972.8 |
| 12/25/2021 | 04:45:00 - 05:00:00 | 17 | 25 | 22 | 29 | Offline | 10.8 | 133.5 | 15.2 | 96.2 | 972.8 |
| 12/25/2021 | 05:00:00 - 05:15:00 | 17 | 25 | 22 | 29 | Offline | 10.1 | 132.3 | 15.1 | 96.9 | 972.8 |
| 12/25/2021 | 05:15:00 - 05:30:00 | 17 | 25 | 22 | 29 | Offline | 8.5 | 125.4 | 15.0 | 98.0 | 972.8 |
| 12/25/2021 | 05:30:00 - 05:45:00 | 17 | 25 | 22 | 29 | Offline | 9.4 | 96.7 | 14.9 | 98.0 | 973.0 |
| 12/25/2021 | 05:45:00 - 06:00:00 | 17 | 25 | 22 | 29 | Offline | 9.7 | 106.3 | 15.0 | 97.6 | 972.9 |
| 12/25/2021 | 06:00:00 - 06:15:00 | 17 | 25 | 22 | 29 | Offline | 7.4 | 79.7 | 15.2 | 96.3 | 973.2 |
| 12/25/2021 | 06:15:00 - 06:30:00 | 17 | 25 | 22 | 29 | Offline | 5.9 | 75.6 | 14.9 | 96.1 | 973.5 |
| 12/25/2021 | 06:30:00 - 06:45:00 | 17 | 25 | 22 | 29 | Offline | 3.9 | 103.1 | 14.6 | 96.0 | 973.6 |
| 12/25/2021 | 06:45:00 - 07:00:00 | 17 | 25 | 22 | 29 | Offline | 1.8 | 144.1 | 14.4 | 96.7 | 973.3 |
| 12/25/2021 | 07:00:00 - 07:15:00 | 17 | 25 | 22 | 29 | Offline | 2.8 | 128.0 | 14.2 | 97.0 | 973.5 |
| 12/25/2021 | 07:15:00 - 07:30:00 | 17 | 25 | 22 | 29 | Offline | 1.7 | 86.4 | 14.0 | 97.5 | 973.9 |
| 12/25/2021 | 07:30:00 - 07:45:00 | 17 | Offline | 22 | 29 | Offline | 1.8 | 141.9 | 13.9 | 98.1 | 974.0 |
| 12/25/2021 | 07:45:00 - 08:00:00 | 17 | Offline | 22 | 29 | Offline | 2.2 | 142.4 | 13.8 | 98.9 | 974.0 |
| 12/25/2021 | 08:00:00 - 08:15:00 | 17 | Offline | 22 | 29 | Offline | 2.0 | 75.8 | 13.7 | 99.0 | 974.2 |
| 12/25/2021 | 08:15:00 - 08:30:00 | 17 | Offline | 22 | 29 | Offline | 6.0 | 40.3 | 13.6 | 98.2 | 974.6 |
| 12/25/2021 | 08:30:00 - 08:45:00 | 17 | Offline | 22 | 29 | Offline | 9.7 | 30.5 | 12.6 | 97.1 | 975.1 |
| 12/25/2021 | 08:45:00 - 09:00:00 | 17 | Offline | 22 | 29 | Offline | 12.1 | 34.5 | 11.3 | 99.3 | 975.6 |
| 12/25/2021 | 09:00:00 - 09:15:00 | 18 | Offline | 22 | 29 | Offline | 9.9 | 17.6 | 10.8 | 100.0 | 975.9 |
| 12/25/2021 | 09:15:00 - 09:30:00 | 18 | Offline | 22 | 30 | Offline | 10.6 | 22.1 | 10.7 | 100.0 | 976.1 |
| 12/25/2021 | 09:30:00 - 09:45:00 | 18 | Offline | 22 | 30 | Offline | 10.3 | 25.5 | 10.6 | 100.0 | 976.1 |
| 12/25/2021 | 09:45:00 - 10:00:00 | 18 | Offline | 23 | 30 | Offline | 9.7 | 25.5 | 10.6 | 100.0 | 976.4 |
| 12/25/2021 | 10:00:00 - 10:15:00 | 18 | Offline | 23 | 31 | Offline | 12.7 | 24.8 | 10.5 | 100.0 | 976.9 |
| 12/25/2021 | 10:15:00 - 10:30:00 | 19 | Offline | 23 | 31 | Offline | 11.6 | 23.1 | 10.0 | 100.0 | 977.2 |
| 12/25/2021 | 10:30:00 - 10:45:00 | 19 | Offline | 24 | 32 | Offline | 12.2 | 28.7 | 9.6 | 100.0 | 977.5 |
| 12/25/2021 | 10:45:00 - 11:00:00 | 19 | Offline | 24 | 32 | Offline | 12.4 | 27.5 | 9.1 | 100.0 | 977.7 |
| 12/25/2021 | 11:00:00 - 11:15:00 | 20 | Offline | 24 | 32 | Offline | 11.3 | 28.5 | 8.9 | 100.0 | 977.9 |
| 12/25/2021 | 11:15:00 - 11:30:00 | 20 | Offline | 25 | 33 | Offline | 11.7 | 24.2 | 8.5 | 100.0 | 978.3 |
| 12/25/2021 | 11:30:00 - 11:45:00 | 20 | Offline | 25 | 33 | Offline | 13.6 | 31.4 | 8.2 | 100.0 | 978.5 |
| 12/25/2021 | 11:45:00 - 12:00:00 | 20 | Offline | 25 | 33 | Offline | 11.2 | 26.5 | 8.1 | 100.0 | 978.8 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 12/25/2021 | 12:00:00 - 12:15:00 | 20 | Offline | 25 | 33 | Offline | 11.2 | 29.4 | 8.4 | 100.0 | 978.8 |
| 12/25/2021 | 12:15:00 - 12:30:00 | 20 | Offline | 25 | 33 | Offline | 12.4 | 28.0 | 8.7 | 99.6 | 979.0 |
| 12/25/2021 | 12:30:00 - 12:45:00 | 20 | Offline | 25 | 34 | Offline | 10.2 | 23.6 | 9.1 | 97.3 | 979.3 |
| 12/25/2021 | 12:45:00 - 13:00:00 | 20 | Offline | 25 | 34 | Offline | 10.1 | 22.6 | 9.2 | 95.9 | 979.4 |
| 12/25/2021 | 13:00:00 - 13:15:00 | 21 | Offline | 26 | 34 | Offline | 10.0 | 24.1 | 9.4 | 94.2 | 979.6 |
| 12/25/2021 | 13:15:00 - 13:30:00 | 21 | Offline | 26 | 34 | Offline | 9.4 | 22.8 | 9.3 | 93.8 | 980.0 |
| 12/25/2021 | 13:30:00 - 13:45:00 | 21 | Offline | 26 | 34 | Offline | 11.4 | 30.2 | 9.3 | 93.3 | 980.2 |
| 12/25/2021 | 13:45:00 - 14:00:00 | 21 | Offline | 26 | 34 | Offline | 12.3 | 34.7 | 9.2 | 91.6 | 980.4 |
| 12/25/2021 | 14:00:00 - 14:15:00 | 21 | Offline | 26 | 34 | Offline | 10.7 | 27.5 | 9.5 | 90.7 | 980.7 |
| 12/25/2021 | 14:15:00 - 14:30:00 | 21 | Offline | 26 | 34 | Offline | 10.6 | 28.9 | 9.5 | 89.7 | 981.1 |
| 12/25/2021 | 14:30:00 - 14:45:00 | 21 | Offline | 26 | 34 | Offline | 9.6 | 32.8 | 9.6 | 89.8 | 981.1 |
| 12/25/2021 | 14:45:00 - 15:00:00 | 21 | Offline | 26 | 35 | Offline | 9.3 | 25.7 | 9.7 | 88.9 | 981.1 |
| 12/25/2021 | 15:00:00 - 15:15:00 | 21 | Offline | 26 | 35 | Offline | 8.9 | 31.6 | 9.6 | 87.9 | 981.5 |
| 12/25/2021 | 15:15:00 - 15:30:00 | 21 | Offline | 26 | 35 | Offline | 9.1 | 27.7 | 9.6 | 88.3 | 981.9 |
| 12/25/2021 | 15:30:00 - 15:45:00 | 21 | Offline | 26 | 35 | Offline | 7.3 | 40.6 | 9.4 | 88.2 | 982.1 |
| 12/25/2021 | 15:45:00 - 16:00:00 | 21 | Offline | 26 | 35 | Offline | 5.7 | 47.5 | 9.5 | 87.0 | 982.4 |
| 12/25/2021 | 16:00:00 - 16:15:00 | 21 | Offline | 26 | 35 | Offline | 5.5 | 40.7 | 9.5 | 86.9 | 982.8 |
| 12/25/2021 | 16:15:00 - 16:30:00 | 21 | Offline | 26 | 35 | Offline | 5.9 | 48.5 | 9.6 | 86.9 | 983.1 |
| 12/25/2021 | 16:30:00 - 16:45:00 | 21 | Offline | 27 | 35 | Offline | 5.7 | 55.4 | 9.6 | 86.3 | 983.4 |
| 12/25/2021 | 16:45:00 - 17:00:00 | 21 | Offline | 27 | 35 | Offline | 4.8 | 42.9 | 9.4 | 86.8 | 983.8 |
| 12/25/2021 | 17:00:00 - 17:15:00 | 21 | Offline | 27 | 35 | Offline | 3.8 | 41.3 | 9.3 | 87.0 | 984.0 |
| 12/25/2021 | 17:15:00 - 17:30:00 | 21 | Offline | 27 | 35 | Offline | 3.2 | 40.8 | 9.2 | 87.9 | 984.3 |
| 12/25/2021 | 17:30:00 - 17:45:00 | 22 | Offline | 27 | 35 | Offline | 3.2 | 34.2 | 8.7 | 89.4 | 984.5 |
| 12/25/2021 | 17:45:00 - 18:00:00 | 22 | Offline | 27 | 35 | Offline | 2.6 | 60.6 | 8.1 | 88.6 | 984.5 |
| 12/25/2021 | 18:00:00 - 18:15:00 | 22 | Offline | 27 | 35 | Offline | 2.1 | 47.8 | 7.4 | 89.9 | 984.6 |
| 12/25/2021 | 18:15:00 - 18:30:00 | 22 | Offline | 27 | 36 | Offline | 3.4 | 84.6 | 6.9 | 92.2 | 984.9 |
| 12/25/2021 | 18:30:00 - 18:45:00 | 22 | Offline | 27 | 36 | Offline | 1.8 | 67.5 | 6.1 | 94.4 | 985.3 |
| 12/25/2021 | 18:45:00 - 19:00:00 | 22 | Offline | 27 | 36 | Offline | 4.1 | 50.7 | 5.7 | 96.7 | 985.6 |
| 12/25/2021 | 19:00:00 - 19:15:00 | 22 | Offline | 27 | 36 | Offline | 3.7 | 59.3 | 5.5 | 97.5 | 985.9 |
| 12/25/2021 | 19:15:00 - 19:30:00 | 22 | Offline | 27 | 36 | Offline | 2.8 | 19.8 | 5.1 | 98.0 | 986.3 |
| 12/25/2021 | 19:30:00 - 19:45:00 | 22 | Offline | 27 | 36 | Offline | 2.4 | 59.7 | 4.7 | 98.7 | 986.5 |
| 12/25/2021 | 19:45:00 - 20:00:00 | 22 | Offline | 27 | 36 | Offline | 3.4 | 68.0 | 4.5 | 99.0 | 986.8 |
| 12/25/2021 | 20:00:00 - 20:15:00 | 22 | Offline | 28 | 36 | Offline | 2.6 | 59.9 | 4.5 | 100.0 | 987.0 |
| 12/25/2021 | 20:15:00 - 20:30:00 | 22 | Offline | 28 | 37 | Offline | 3.0 | 47.3 | 5.3 | 100.0 | 987.1 |
| 12/25/2021 | 20:30:00 - 20:45:00 | 22 | Offline | 28 | 37 | Offline | 3.5 | 57.4 | 6.3 | 100.0 | 987.2 |
| 12/25/2021 | 20:45:00 - 21:00:00 | 22 | Offline | 28 | 37 | Offline | 2.7 | 52.8 | 6.9 | 100.0 | 987.1 |
| 12/25/2021 | 21:00:00 - 21:15:00 | 22 | Offline | 28 | 37 | Offline | 4.8 | 82.0 | 7.1 | 100.0 | 987.2 |
| 12/25/2021 | 21:15:00 - 21:30:00 | 22 | Offline | 28 | 37 | Offline | 3.7 | 83.1 | 7.3 | 99.7 | 987.3 |
| 12/25/2021 | 21:30:00 - 21:45:00 | 23 | Offline | 28 | 37 | Offline | 4.0 | 64.7 | 7.4 | 98.9 | 987.4 |
| 12/25/2021 | 21:45:00 - 22:00:00 | 23 | Offline | 28 | 38 | Offline | 1.8 | 62.3 | 7.3 | 98.0 | 987.2 |
| 12/25/2021 | 22:00:00 - 22:15:00 | 23 | Offline | 28 | 38 | Offline | 1.9 | 58.1 | 7.3 | 98.0 | 987.2 |
| 12/25/2021 | 22:15:00 - 22:30:00 | 23 | Offline | 28 | 38 | Offline | 2.8 | 52.5 | 7.5 | 97.5 | 987.2 |
| 12/25/2021 | 22:30:00 - 22:45:00 | 23 | Offline | 29 | 38 | Offline | 3.0 | 136.7 | 7.8 | 96.0 | 987.0 |
| 12/25/2021 | 22:45:00 - 23:00:00 | 23 | Offline | 29 | 38 | Offline | 6.0 | 130.5 | 7.8 | 94.2 | 987.0 |
| 12/25/2021 | 23:00:00 - 23:15:00 | 23 | Offline | 29 | 38 | Offline | 5.7 | 132.6 | 7.7 | 94.0 | 987.1 |
| 12/25/2021 | 23:15:00 - 23:30:00 | 23 | Offline | 29 | 38 | Offline | 5.2 | 117.2 | 7.7 | 94.3 | 987.2 |
| 12/25/2021 | 23:30:00 - 23:45:00 | 23 | Offline | 29 | 38 | Offline | 6.6 | 136.6 | 7.7 | 94.0 | 987.5 |
| 12/26/2021 | 23:45:00 - 00:00:00 | 23 | Offline | 29 | 38 | Offline | 4.7 | 113.5 | 7.6 | 94.1 | 987.7 |
| 12/26/2021 | 00:00:00 - 00:15:00 | 23 | Offline | 29 | 38 | Offline | 5.4 | 122.5 | 7.6 | 94.3 | 987.9 |
| 12/26/2021 | 00:15:00 - 00:30:00 | 23 | Offline | 29 | 38 | Offline | 6.4 | 93.4 | 7.5 | 95.0 | 988.1 |
| 12/26/2021 | 00:30:00 - 00:45:00 | 23 | Offline | 29 | 38 | Offline | 6.6 | 65.3 | 7.4 | 95.0 | 988.3 |
| 12/26/2021 | 00:45:00 - 01:00:00 | 23 | Offline | 29 | 39 | Offline | 6.7 | 71.0 | 7.3 | 95.9 | 988.3 |
| 12/26/2021 | 01:00:00 - 01:15:00 | 23 | Offline | 29 | 39 | Offline | 8.3 | 55.1 | 7.3 | 96.0 | 988.6 |
| 12/26/2021 | 01:15:00 - 01:30:00 | 23 | Offline | 29 | 39 | Offline | 9.1 | 61.1 | 7.2 | 96.3 | 988.5 |
| 12/26/2021 | 01:30:00 - 01:45:00 | 23 | Offline | 29 | 39 | Offline | 9.5 | 68.7 | 7.0 | 97.0 | 988.6 |
| 12/26/2021 | 01:45:00 - 02:00:00 | 24 | Offline | 30 | 39 | Offline | 9.1 | 55.7 | 6.8 | 97.0 | 989.0 |
| 12/26/2021 | 02:00:00 - 02:15:00 | 24 | Offline | 30 | 39 | Offline | 8.9 | 61.6 | 6.8 | 97.2 | 989.3 |
| 12/26/2021 | 02:15:00 - 02:30:00 | 24 | Offline | 30 | 39 | Offline | 8.5 | 58.2 | 6.8 | 97.0 | 989.5 |
| 12/26/2021 | 02:30:00 - 02:45:00 | 24 | Offline | 30 | 40 | Offline | 8.1 | 55.4 | 6.5 | 97.0 | 989.5 |
| 12/26/2021 | 02:45:00 - 03:00:00 | 24 | Offline | 30 | 40 | Offline | 6.3 | 56.2 | 6.4 | 97.8 | 989.5 |
| 12/26/2021 | 03:00:00 - 03:15:00 | 24 | Offline | 30 | 40 | Offline | 7.4 | 64.4 | 6.4 | 97.8 | 989.4 |
| 12/26/2021 | 03:15:00 - 03:30:00 | 24 | Offline | 30 | 40 | Offline | 8.2 | 47.0 | 6.4 | 98.0 | 989.7 |
| 12/26/2021 | 03:30:00 - 03:45:00 | 24 | Offline | 30 | 40 | Offline | 6.9 | 50.1 | 6.3 | 97.5 | 989.6 |
| 12/26/2021 | 03:45:00 - 04:00:00 | 24 | Offline | 30 | 40 | Offline | 7.4 | 29.5 | 6.2 | 97.0 | 989.6 |
| 12/26/2021 | 04:00:00 - 04:15:00 | 24 | Offline | 31 | 40 | Offline | 5.7 | 36.7 | 6.3 | 97.0 | 989.7 |
| 12/26/2021 | 04:15:00 - 04:30:00 | 24 | Offline | 31 | 40 | Offline | 7.1 | 44.3 | 6.3 | 97.0 | 989.7 |
| 12/26/2021 | 04:30:00 - 04:45:00 | 24 | Offline | 31 | 40 | Offline | 7.6 | 51.7 | 6.3 | 97.0 | 989.8 |
| 12/26/2021 | 04:45:00 - 05:00:00 | 24 | Offline | 31 | 40 | Offline | 10.4 | 37.1 | 6.2 | 96.1 | 989.8 |
| 12/26/2021 | 05:00:00 - 05:15:00 | 25 | Offline | 31 | 41 | Offline | 7.4 | 40.9 | 6.1 | 96.2 | 990.0 |
| 12/26/2021 | 05:15:00 - 05:30:00 | 25 | Offline | 31 | 41 | Offline | 6.5 | 35.8 | 6.1 | 97.0 | 990.2 |
| 12/26/2021 | 05:30:00 - 05:45:00 | 25 | Offline | 31 | 41 | Offline | 7.2 | 15.5 | 6.1 | 96.3 | 990.4 |
| 12/26/2021 | 05:45:00 - 06:00:00 | 25 | Offline | 31 | 41 | Offline | 8.4 | 30.0 | 5.9 | 95.5 | 990.6 |
| 12/26/2021 | 06:00:00 - 06:15:00 | 25 | Offline | 31 | Offline | Offline | 7.9 | 24.1 | 5.9 | 95.4 | 990.8 |
| 12/26/2021 | 06:15:00 - 06:30:00 | 25 | Offline | 31 | Offline | Offline | 5.2 | 33.5 | 5.9 | 95.6 | 990.9 |
| 12/26/2021 | 06:30:00 - 06:45:00 | 25 | Offline | 31 | Offline | Offline | 5.4 | 35.7 | 5.8 | 96.0 | 991.2 |
| 12/26/2021 | 06:45:00 - 07:00:00 | 25 | Offline | 31 | Offline | Offline | 5.2 | 32.9 | 5.8 | 96.0 | 991.3 |
| 12/26/2021 | 07:00:00 - 07:15:00 | 25 | Offline | 31 | Offline | Offline | 4.9 | 22.1 | 5.6 | 95.6 | 991.6 |
| 12/26/2021 | 07:15:00 - 07:30:00 | 25 | Offline | 32 | Offline | Offline | 6.0 | 36.8 | 5.5 | 95.8 | 991.4 |
| 12/26/2021 | 07:30:00 - 07:45:00 | 25 | Offline | 32 | Offline | Offline | 7.6 | 57.8 | 5.3 | 96.0 | 991.3 |
| 12/26/2021 | 07:45:00 - 08:00:00 | 25 | Offline | 32 | Offline | Offline | 6.3 | 69.0 | 5.3 | 96.1 | 991.3 |
| 12/26/2021 | 08:00:00 - 08:15:00 | 25 | Offline | 32 | Offline | Offline | 5.8 | 81.5 | 5.4 | 96.0 | 991.4 |
| 12/26/2021 | 08:15:00 - 08:30:00 | 25 | Offline | 32 | Offline | Offline | 5.5 | 76.9 | 5.5 | 95.8 | 991.5 |
| 12/26/2021 | 08:30:00 - 08:45:00 | 25 | Offline | 32 | Offline | Offline | 7.6 | 90.3 | 5.6 | 95.7 | 991.7 |
| 12/26/2021 | 08:45:00 - 09:00:00 | 25 | Offline | 32 | Offline | Offline | 6.8 | 102.9 | 5.5 | 94.7 | 991.8 |
| 12/26/2021 | 09:00:00 - 09:15:00 | 25 | Offline | 32 | Offline | Offline | 7.2 | 110.2 | 5.8 | 94.4 | 991.9 |
| 12/26/2021 | 09:15:00 - 09:30:00 | 25 | Offline | 32 | Offline | Offline | 12.0 | 92.7 | 5.8 | 93.6 | 992.0 |
| 12/26/2021 | 09:30:00 - 09:45:00 | 25 | Offline | 32 | Offline | Offline | 8.4 | 117.6 | 6.0 | 94.0 | 992.2 |
| 12/26/2021 | 09:45:00 - 10:00:00 | 25 | Offline | 32 | Offline | Offline | 13.2 | 91.6 | 6.0 | 93.2 | 992.5 |
| 12/26/2021 | 10:00:00 - 10:15:00 | 25 | Offline | 32 | Offline | Offline | 13.0 | 93.6 | 6.1 | 93.0 | 992.5 |
| 12/26/2021 | 10:15:00 - 10:30:00 | 25 | Offline | 32 | Offline | Offline | 12.3 | 111.3 | 6.0 | 92.3 | 992.3 |
| 12/26/2021 | 10:30:00 - 10:45:00 | 25 | Offline | 32 | Offline | Offline | 12.6 | 95.4 | 6.1 | 91.6 | 992.5 |
| 12/26/2021 | 10:45:00 - 11:00:00 | 26 | Offline | 32 | Offline | Offline | 12.0 | 104.6 | 6.3 | 90.9 | 992.4 |
| 12/26/2021 | 11:00:00 - 11:15:00 | 26 | Offline | 32 | Offline | Offline | 9.8 | 138.1 | 6.6 | 89.4 | 992.1 |
| 12/26/2021 | 11:15:00 - 11:30:00 | 26 | Offline | 33 | Offline | Offline | 10.1 | 125.6 | 6.6 | 88.7 | 991.9 |
| 12/26/2021 | 11:30:00 - 11:45:00 | 26 | Offline | 33 | Offline | Offline | 11.8 | 110.7 | 7.0 | 88.3 | 991.6 |
| 12/26/2021 | 11:45:00 - 12:00:00 | 26 | Offline | 33 | Offline | Offline | 12.3 | 111.2 | 7.4 | 86.8 | 991.3 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 12/26/2021 | 12:00:00 - 12:15:00 | 26 | Offline | 33 | Offline | Offline | 13.2 | 106.5 | 8.0 | 85.4 | 991.1 |
| 12/26/2021 | 12:15:00 - 12:30:00 | 26 | Offline | 33 | Offline | Offline | 9.6 | 123.6 | 8.1 | 83.8 | 990.9 |
| 12/26/2021 | 12:30:00 - 12:45:00 | 26 | Offline | 33 | Offline | Offline | 11.2 | 112.9 | 8.5 | 82.4 | 990.7 |
| 12/26/2021 | 12:45:00 - 13:00:00 | 26 | Offline | 33 | Offline | Offline | 12.0 | 114.2 | 9.0 | 80.5 | 990.4 |
| 12/26/2021 | 13:00:00 - 13:15:00 | 26 | Offline | 33 | Offline | Offline | 9.6 | 134.4 | 8.9 | 79.4 | 990.5 |
| 12/26/2021 | 13:15:00 - 13:30:00 | 26 | Offline | 33 | Offline | Offline | 12.5 | 130.6 | 8.8 | 79.0 | 990.3 |
| 12/26/2021 | 13:30:00 - 13:45:00 | 26 | Offline | 33 | Offline | Offline | 11.3 | 122.0 | 8.8 | 79.8 | 990.2 |
| 12/26/2021 | 13:45:00 - 14:00:00 | 26 | Offline | 33 | Offline | Offline | 9.3 | 130.2 | 8.9 | 80.3 | 990.2 |
| 12/26/2021 | 14:00:00 - 14:15:00 | 26 | Offline | 33 | Offline | Offline | 10.8 | 129.2 | 9.0 | 80.1 | 990.3 |
| 12/26/2021 | 14:15:00 - 14:30:00 | 26 | Offline | 33 | Offline | Offline | 9.9 | 131.4 | 9.1 | 79.3 | 990.3 |
| 12/26/2021 | 14:30:00 - 14:45:00 | 26 | Offline | 33 | Offline | Offline | 11.7 | 128.3 | 9.1 | 79.5 | 990.0 |
| 12/26/2021 | 14:45:00 - 15:00:00 | 26 | Offline | 33 | Offline | Offline | 11.6 | 118.3 | 9.0 | 80.2 | 989.9 |
| 12/26/2021 | 15:00:00 - 15:15:00 | 26 | Offline | 33 | Offline | Offline | 11.8 | 127.5 | 8.9 | 81.0 | 989.5 |
| 12/26/2021 | 15:15:00 - 15:30:00 | 26 | Offline | 33 | Offline | Offline | 12.4 | 123.1 | 8.8 | 80.9 | 989.3 |
| 12/26/2021 | 15:30:00 - 15:45:00 | 26 | Offline | 33 | Offline | Offline | 11.2 | 116.6 | 8.8 | 81.1 | 989.2 |
| 12/26/2021 | 15:45:00 - 16:00:00 | 26 | Offline | 33 | Offline | Offline | 14.6 | 107.6 | 8.7 | 82.3 | 988.8 |
| 12/26/2021 | 16:00:00 - 16:15:00 | 26 | Offline | 33 | Offline | Offline | 13.3 | 111.7 | 8.6 | 81.4 | 989.0 |
| 12/26/2021 | 16:15:00 - 16:30:00 | 26 | Offline | 33 | Offline | Offline | 14.7 | 109.9 | 8.4 | 79.1 | 988.9 |
| 12/26/2021 | 16:30:00 - 16:45:00 | 26 | Offline | 33 | Offline | Offline | 11.1 | 117.2 | 8.3 | 78.8 | 988.8 |
| 12/26/2021 | 16:45:00 - 17:00:00 | 26 | Offline | 33 | Offline | Offline | 15.3 | 102.0 | 8.1 | 79.0 | 988.4 |
| 12/26/2021 | 17:00:00 - 17:15:00 | 26 | Offline | 33 | Offline | Offline | 19.5 | 89.8 | 7.9 | 79.1 | 988.0 |
| 12/26/2021 | 17:15:00 - 17:30:00 | 26 | Offline | 33 | Offline | Offline | 22.0 | 91.4 | 7.8 | 79.9 | 987.4 |
| 12/26/2021 | 17:30:00 - 17:45:00 | 26 | Offline | 32 | Offline | Offline | 20.8 | 90.2 | 7.8 | 80.5 | 987.4 |
| 12/26/2021 | 17:45:00 - 18:00:00 | 26 | Offline | 32 | Offline | Offline | 20.1 | 96.0 | 7.8 | 78.5 | 987.3 |
| 12/26/2021 | 18:00:00 - 18:15:00 | 25 | Offline | 32 | Offline | Offline | 25.4 | 93.2 | 7.9 | 76.1 | 987.0 |
| 12/26/2021 | 18:15:00 - 18:30:00 | 25 | Offline | 32 | Offline | Offline | 19.7 | 101.3 | 7.7 | 76.7 | 986.8 |
| 12/26/2021 | 18:30:00 - 18:45:00 | 25 | Offline | 32 | Offline | Offline | 19.9 | 107.2 | 7.7 | 77.1 | 986.4 |
| 12/26/2021 | 18:45:00 - 19:00:00 | 25 | Offline | 32 | Offline | Offline | 19.6 | 104.8 | 7.6 | 76.6 | 986.2 |
| 12/26/2021 | 19:00:00 - 19:15:00 | 25 | Offline | 32 | Offline | Offline | 20.2 | 108.1 | 7.8 | 73.8 | 985.8 |
| 12/26/2021 | 19:15:00 - 19:30:00 | 25 | Offline | 32 | Offline | Offline | 21.1 | 107.3 | 7.8 | 73.8 | 985.5 |
| 12/26/2021 | 19:30:00 - 19:45:00 | 25 | Offline | 32 | Offline | Offline | 18.9 | 110.4 | 7.6 | 75.0 | 985.1 |
| 12/26/2021 | 19:45:00 - 20:00:00 | 25 | Offline | 32 | Offline | Offline | 19.6 | 114.4 | 7.5 | 75.7 | 984.6 |
| 12/26/2021 | 20:00:00 - 20:15:00 | 25 | Offline | 32 | Offline | Offline | 17.3 | 120.2 | 7.3 | 76.8 | 984.2 |
| 12/26/2021 | 20:15:00 - 20:30:00 | 25 | Offline | 32 | Offline | Offline | 18.3 | 126.8 | 7.3 | 76.0 | 983.3 |
| 12/26/2021 | 20:30:00 - 20:45:00 | 25 | Offline | 32 | Offline | Offline | 19.3 | 119.5 | 7.2 | 77.1 | 982.6 |
| 12/26/2021 | 20:45:00 - 21:00:00 | 25 | Offline | 32 | Offline | Offline | 21.1 | 110.9 | 7.2 | 78.1 | 982.3 |
| 12/26/2021 | 21:00:00 - 21:15:00 | 25 | Offline | 32 | Offline | Offline | 22.7 | 110.2 | 7.3 | 80.1 | 981.6 |
| 12/26/2021 | 21:15:00 - 21:30:00 | 25 | Offline | 32 | Offline | Offline | 20.4 | 116.6 | 7.4 | 81.9 | 980.9 |
| 12/26/2021 | 21:30:00 - 21:45:00 | 25 | Offline | 32 | Offline | Offline | 15.9 | 122.4 | 7.6 | 83.9 | 980.6 |
| 12/26/2021 | 21:45:00 - 22:00:00 | 25 | Offline | 32 | Offline | Offline | 15.1 | 130.9 | 8.0 | 85.3 | 980.8 |
| 12/26/2021 | 22:00:00 - 22:15:00 | 25 | Offline | 32 | Offline | Offline | 15.1 | 138.5 | 8.1 | 86.0 | 980.9 |
| 12/26/2021 | 22:15:00 - 22:30:00 | 25 | Offline | 32 | Offline | Offline | 16.4 | 139.1 | 8.1 | 87.0 | 980.4 |
| 12/26/2021 | 22:30:00 - 22:45:00 | 25 | Offline | 32 | Offline | Offline | 16.8 | 133.6 | 8.4 | 86.6 | 980.0 |
| 12/26/2021 | 22:45:00 - 23:00:00 | 25 | Offline | 32 | Offline | Offline | 13.7 | 135.3 | 8.6 | 86.5 | 980.1 |
| 12/26/2021 | 23:00:00 - 23:15:00 | 25 | Offline | 32 | Offline | Offline | 9.0 | 144.7 | 8.3 | 89.5 | 980.6 |
| 12/26/2021 | 23:15:00 - 23:30:00 | 25 | Offline | 32 | Offline | Offline | 6.2 | 145.3 | 8.0 | 93.4 | 981.0 |
| 12/26/2021 | 23:30:00 - 23:45:00 | 25 | Offline | 32 | Offline | Offline | 8.2 | 144.2 | 8.1 | 94.1 | 980.5 |
| 12/27/2021 | 23:45:00 - 00:00:00 | 25 | Offline | 32 | Offline | Offline | 9.4 | 138.6 | 8.4 | 95.0 | 979.9 |
| 12/27/2021 | 00:00:00 - 00:15:00 | 25 | Offline | 32 | Offline | Offline | 9.3 | 140.3 | 8.5 | 95.7 | 979.2 |
| 12/27/2021 | 00:15:00 - 00:30:00 | 25 | Offline | 32 | Offline | Offline | 7.1 | 140.5 | 8.8 | 96.8 | 978.8 |
| 12/27/2021 | 00:30:00 - 00:45:00 | 25 | Offline | 32 | Offline | Offline | 6.9 | 142.2 | 9.1 | 97.0 | 978.5 |
| 12/27/2021 | 00:45:00 - 01:00:00 | 25 | Offline | 32 | Offline | Offline | 6.1 | 139.5 | 9.5 | 97.8 | 978.4 |
| 12/27/2021 | 01:00:00 - 01:15:00 | 25 | Offline | 32 | Offline | Offline | 6.1 | 140.2 | 10.0 | 98.0 | 978.1 |
| 12/27/2021 | 01:15:00 - 01:30:00 | 25 | Offline | 32 | Offline | Offline | 4.3 | 139.2 | 10.4 | 98.0 | 977.8 |
| 12/27/2021 | 01:30:00 - 01:45:00 | 25 | Offline | 32 | Offline | Offline | 6.1 | 143.3 | 10.7 | 98.0 | 977.6 |
| 12/27/2021 | 01:45:00 - 02:00:00 | 25 | Offline | 32 | Offline | Offline | 7.2 | 140.3 | 10.9 | 98.0 | 977.3 |
| 12/27/2021 | 02:00:00 - 02:15:00 | 25 | Offline | 32 | Offline | Offline | 5.4 | 134.1 | 11.2 | 98.0 | 977.2 |
| 12/27/2021 | 02:15:00 - 02:30:00 | 25 | Offline | 33 | Offline | Offline | 6.7 | 149.5 | 11.5 | 98.7 | 976.9 |
| 12/27/2021 | 02:30:00 - 02:45:00 | 25 | Offline | 33 | Offline | Offline | 6.1 | 149.9 | 11.7 | 99.0 | 977.1 |
| 12/27/2021 | 02:45:00 - 03:00:00 | 25 | Offline | 33 | Offline | Offline | 6.8 | 133.0 | 12.0 | 99.0 | 976.8 |
| 12/27/2021 | 03:00:00 - 03:15:00 | 26 | Offline | 33 | Offline | Offline | 6.5 | 144.1 | 12.2 | 99.4 | 976.6 |
| 12/27/2021 | 03:15:00 - 03:30:00 | 26 | Offline | 33 | Offline | Offline | 6.1 | 150.1 | 12.4 | 100.0 | 976.1 |
| 12/27/2021 | 03:30:00 - 03:45:00 | 26 | Offline | 33 | Offline | Offline | 6.5 | 156.5 | 12.7 | 100.0 | 976.0 |
| 12/27/2021 | 03:45:00 - 04:00:00 | 26 | Offline | 33 | Offline | Offline | 6.5 | 149.7 | 12.9 | 100.0 | 976.0 |
| 12/27/2021 | 04:00:00 - 04:15:00 | 26 | Offline | 33 | Offline | Offline | 8.6 | 153.8 | 13.7 | 100.0 | 975.8 |
| 12/27/2021 | 04:15:00 - 04:30:00 | 26 | Offline | 33 | Offline | Offline | 10.2 | 156.0 | 14.3 | 99.0 | 975.5 |
| 12/27/2021 | 04:30:00 - 04:45:00 | 26 | Offline | 33 | Offline | Offline | 11.4 | 151.9 | 14.5 | 98.3 | 975.4 |
| 12/27/2021 | 04:45:00 - 05:00:00 | 26 | Offline | 33 | Offline | Offline | 11.6 | 143.6 | 14.5 | 98.0 | 975.3 |
| 12/27/2021 | 05:00:00 - 05:15:00 | 26 | Offline | 33 | Offline | Offline | 12.8 | 153.5 | 14.5 | 98.0 | 975.0 |
| 12/27/2021 | 05:15:00 - 05:30:00 | 26 | Offline | 33 | Offline | Offline | 9.5 | 141.6 | 14.3 | 98.3 | 975.0 |
| 12/27/2021 | 05:30:00 - 05:45:00 | 26 | Offline | 33 | Offline | Offline | 10.1 | 151.4 | 14.2 | 98.5 | 975.2 |
| 12/27/2021 | 05:45:00 - 06:00:00 | 26 | Offline | 33 | Offline | Offline | 11.6 | 147.0 | 14.2 | 98.3 | 975.3 |
| 12/27/2021 | 06:00:00 - 06:15:00 | 26 | Offline | 33 | Offline | Offline | 8.4 | 136.7 | 14.2 | 98.3 | 975.6 |
| 12/27/2021 | 06:15:00 - 06:30:00 | 26 | Offline | 33 | Offline | Offline | 8.3 | 137.7 | 14.3 | 98.4 | 975.8 |
| 12/27/2021 | 06:30:00 - 06:45:00 | 26 | Offline | 33 | Offline | Offline | 8.7 | 130.2 | 14.3 | 98.1 | 976.0 |
| 12/27/2021 | 06:45:00 - 07:00:00 | 26 | Offline | 33 | Offline | Offline | 9.0 | 139.9 | 14.2 | 98.0 | 976.1 |
| 12/27/2021 | 07:00:00 - 07:15:00 | 26 | Offline | 33 | Offline | Offline | 8.1 | 135.5 | 14.1 | 97.9 | 976.1 |
| 12/27/2021 | 07:15:00 - 07:30:00 | 26 | Offline | 33 | Offline | Offline | 8.7 | 112.7 | 14.0 | 98.0 | 976.3 |
| 12/27/2021 | 07:30:00 - 07:45:00 | 26 | Offline | 33 | Offline | Offline | 7.1 | 117.8 | 13.9 | 97.9 | 976.7 |
| 12/27/2021 | 07:45:00 - 08:00:00 | 36 | Offline | 37 | Offline | 104 | 7.9 | 120.2 | 13.8 | 98.0 | 976.8 |
| 12/27/2021 | 08:00:00 - 08:15:00 | 44 | Offline | 40 | 129 | 123 | 6.6 | 117.4 | 13.8 | 97.9 | 976.9 |
| 12/27/2021 | 08:15:00 - 08:30:00 | 42 | 81 | 39 | 195 | 117 | 6.7 | 123.7 | 13.2 | 94.7 | 945.4 |
| 12/27/2021 | 08:30:00 - 08:45:00 | 45 | 79 | 56 | 191 | 103 | 6.5 | 121.9 | 13.6 | 97.1 | 976.9 |
| 12/27/2021 | 08:45:00 - 09:00:00 | 43 | 70 | 53 | 165 | 56 | 5.7 | 131.5 | 13.5 | 97.0 | 977.0 |
| 12/27/2021 | 09:00:00 - 09:15:00 | 40 | 63 | 46 | 143 | 49 | 5.6 | 131.5 | 13.5 | 96.8 | 977.2 |
| 12/27/2021 | 09:15:00 - 09:30:00 | 38 | 56 | 43 | 127 | 46 | 7.4 | 116.1 | 14.0 | 95.2 | 977.2 |
| 12/27/2021 | 09:30:00 - 09:45:00 | 38 | 47 | 41 | 115 | 45 | 8.0 | 113.2 | 14.2 | 93.3 | 977.4 |
| 12/27/2021 | 09:45:00 - 10:00:00 | 37 | 43 | 39 | 105 | 44 | 6.2 | 122.1 | 14.2 | 93.6 | 977.7 |
| 12/27/2021 | 10:00:00 - 10:15:00 | 36 | 41 | 38 | 98 | 42 | 8.8 | 111.5 | 14.4 | 93.9 | 978.0 |
| 12/27/2021 | 10:15:00 - 10:30:00 | 35 | 40 | 37 | 91 | 41 | 15.2 | 92.7 | 14.6 | 92.0 | 978.2 |
| 12/27/2021 | 10:30:00 - 10:45:00 | 34 | 39 | 36 | 86 | 40 | 16.1 | 89.3 | 14.5 | 90.0 | 978.4 |
| 12/27/2021 | 10:45:00 - 11:00:00 | 34 | 38 | 35 | 82 | 39 | 16.5 | 81.2 | 14.3 | 90.0 | 978.5 |
| 12/27/2021 | 11:00:00 - 11:15:00 | 34 | 38 | 35 | 79 | 39 | 14.3 | 87.5 | 14.1 | 90.0 | 978.6 |
| 12/27/2021 | 11:15:00 - 11:30:00 | 34 | 38 | 35 | 76 | 39 | 15.6 | 89.2 | 13.8 | 90.8 | 978.7 |
| 12/27/2021 | 11:30:00 - 11:45:00 | 34 | 38 | 34 | 74 | 38 | 16.1 | 84.2 | 13.5 | 91.8 | 978.9 |
| 12/27/2021 | 11:45:00 - 12:00:00 | 34 | 37 | 34 | 72 | 38 | 16.1 | 86.9 | 13.1 | 92.9 | 979.0 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 12/27/2021 | 12:00:00 - 12:15:00 | 34 | 37 | 34 | 70 | 38 | 13.1 | 80.7 | 12.6 | 93.7 | 979.2 |
| 12/27/2021 | 12:15:00 - 12:30:00 | 34 | 37 | 34 | 68 | 38 | 14.7 | 87.5 | 12.2 | 94.6 | 979.2 |
| 12/27/2021 | 12:30:00 - 12:45:00 | 34 | 37 | 34 | 67 | 38 | 15.3 | 83.8 | 12.0 | 93.7 | 979.2 |
| 12/27/2021 | 12:45:00 - 13:00:00 | 35 | 39 | 35 | 67 | 39 | 14.2 | 73.0 | 12.0 | 93.0 | 979.3 |
| 12/27/2021 | 13:00:00 - 13:15:00 | 35 | 39 | 35 | 66 | 39 | 13.8 | 74.3 | 11.7 | 92.3 | 979.3 |
| 12/27/2021 | 13:15:00 - 13:30:00 | 35 | 39 | 35 | 65 | 38 | 13.3 | 73.6 | 11.2 | 92.5 | 979.2 |
| 12/27/2021 | 13:30:00 - 13:45:00 | 35 | 38 | 35 | 64 | 38 | 14.6 | 75.8 | 11.4 | 90.7 | 979.7 |
| 12/27/2021 | 13:45:00 - 14:00:00 | 34 | 38 | 35 | 63 | 38 | 16.8 | 76.6 | 11.2 | 89.1 | 979.9 |
| 12/27/2021 | 14:00:00 - 14:15:00 | 34 | 38 | 34 | 61 | 38 | 15.4 | 80.1 | 11.2 | 88.6 | 980.2 |
| 12/27/2021 | 14:15:00 - 14:30:00 | 34 | 37 | 34 | 60 | 37 | 19.7 | 74.9 | 10.8 | 88.0 | 980.7 |
| 12/27/2021 | 14:30:00 - 14:45:00 | 34 | 37 | 34 | 59 | 37 | 24.5 | 68.8 | 9.8 | 89.0 | 981.2 |
| 12/27/2021 | 14:45:00 - 15:00:00 | 33 | 37 | 34 | 59 | 37 | 19.1 | 74.1 | 8.9 | 90.1 | 981.7 |
| 12/27/2021 | 15:00:00 - 15:15:00 | 33 | 37 | 33 | 58 | 36 | 18.4 | 70.1 | 8.8 | 87.4 | 981.8 |
| 12/27/2021 | 15:15:00 - 15:30:00 | 33 | 37 | 33 | 57 | 36 | 14.9 | 64.2 | 9.0 | 86.2 | 982.0 |
| 12/27/2021 | 15:30:00 - 15:45:00 | 33 | 36 | 33 | 56 | 36 | 16.2 | 75.3 | 9.0 | 86.9 | 982.4 |
| 12/27/2021 | 15:45:00 - 16:00:00 | 33 | 36 | 33 | 56 | 36 | 17.9 | 76.1 | 8.5 | 85.2 | 982.6 |
| 12/27/2021 | 16:00:00 - 16:15:00 | 32 | 36 | 33 | 56 | 36 | 18.8 | 73.2 | 7.9 | 85.9 | 983.0 |
| 12/27/2021 | 16:15:00 - 16:30:00 | 32 | 37 | 33 | 55 | 36 | 15.9 | 69.5 | 7.5 | 85.3 | 983.3 |
| 12/27/2021 | 16:30:00 - 16:45:00 | 32 | 37 | 33 | 55 | 36 | 16.6 | 66.8 | 7.3 | 86.0 | 983.7 |
| 12/27/2021 | 16:45:00 - 17:00:00 | 32 | 37 | 33 | 55 | 36 | 17.3 | 63.5 | 7.2 | 86.7 | 983.7 |
| 12/27/2021 | 17:00:00 - 17:15:00 | 32 | 37 | 33 | 55 | 36 | 17.0 | 65.0 | 7.1 | 87.1 | 984.0 |
| 12/27/2021 | 17:15:00 - 17:30:00 | 33 | 37 | 33 | 55 | 36 | 14.7 | 64.7 | 7.0 | 87.4 | 984.1 |
| 12/27/2021 | 17:30:00 - 17:45:00 | 33 | 38 | 34 | 55 | 37 | 16.1 | 64.6 | 7.0 | 86.9 | 984.2 |
| 12/27/2021 | 17:45:00 - 18:00:00 | 33 | 38 | 34 | 54 | 37 | 15.8 | 64.7 | 6.8 | 86.0 | 984.5 |
| 12/27/2021 | 18:00:00 - 18:15:00 | 32 | 37 | 33 | 54 | 36 | 13.3 | 59.9 | 6.6 | 86.3 | 984.5 |
| 12/27/2021 | 18:15:00 - 18:30:00 | 32 | 37 | 33 | 53 | 36 | 17.6 | 59.7 | 6.2 | 79.1 | 984.8 |
| 12/27/2021 | 18:30:00 - 18:45:00 | 31 | 36 | 33 | 52 | 35 | 18.6 | 56.9 | 5.9 | 73.1 | 985.2 |
| 12/27/2021 | 18:45:00 - 19:00:00 | 31 | 36 | 32 | 51 | 35 | 17.2 | 58.7 | 5.5 | 75.7 | 985.5 |
| 12/27/2021 | 19:00:00 - 19:15:00 | 31 | 35 | 32 | 51 | 34 | 12.2 | 66.1 | 5.1 | 79.3 | 985.5 |
| 12/27/2021 | 19:15:00 - 19:30:00 | 30 | 35 | 32 | 50 | 34 | 12.0 | 69.2 | 4.9 | 82.8 | 985.6 |
| 12/27/2021 | 19:30:00 - 19:45:00 | 30 | 35 | 31 | 50 | 34 | 12.7 | 71.4 | 4.6 | 83.7 | 985.5 |
| 12/27/2021 | 19:45:00 - 20:00:00 | 29 | 34 | 31 | 49 | 33 | 12.8 | 62.8 | 4.5 | 82.8 | 985.9 |
| 12/27/2021 | 20:00:00 - 20:15:00 | 29 | 34 | 31 | 48 | 33 | 12.1 | 70.5 | 4.3 | 82.1 | 985.9 |
| 12/27/2021 | 20:15:00 - 20:30:00 | 29 | 33 | 30 | 48 | 32 | 12.5 | 65.2 | 4.2 | 80.7 | 986.2 |
| 12/27/2021 | 20:30:00 - 20:45:00 | 28 | 33 | 30 | 47 | 32 | 14.6 | 57.6 | 4.1 | 79.7 | 986.0 |
| 12/27/2021 | 20:45:00 - 21:00:00 | 28 | 33 | 30 | 47 | 32 | 11.8 | 66.6 | 4.0 | 79.0 | 986.3 |
| 12/27/2021 | 21:00:00 - 21:15:00 | 28 | 32 | 29 | 46 | 31 | 9.7 | 62.2 | 3.9 | 78.9 | 986.4 |
| 12/27/2021 | 21:15:00 - 21:30:00 | 27 | 32 | 29 | 45 | 31 | 7.7 | 48.2 | 3.8 | 79.2 | 986.4 |
| 12/27/2021 | 21:30:00 - 21:45:00 | 27 | 32 | 29 | 45 | 31 | 7.8 | 47.5 | 3.7 | 79.0 | 986.2 |
| 12/27/2021 | 21:45:00 - 22:00:00 | 27 | 31 | 28 | 44 | 30 | 4.3 | 54.0 | 3.5 | 79.0 | 986.3 |
| 12/27/2021 | 22:00:00 - 22:15:00 | 26 | 31 | 28 | 44 | 30 | 6.1 | 30.5 | 3.5 | 78.7 | 986.3 |
| 12/27/2021 | 22:15:00 - 22:30:00 | 26 | 31 | 28 | 43 | 30 | 3.5 | 25.2 | 3.4 | 77.1 | 986.3 |
| 12/27/2021 | 22:30:00 - 22:45:00 | 26 | 31 | 28 | 43 | 29 | 3.0 | 25.7 | 3.1 | 77.7 | 986.4 |
| 12/27/2021 | 22:45:00 - 23:00:00 | 25 | 30 | 27 | 43 | 29 | 1.7 | 47.6 | 3.0 | 77.9 | 986.7 |
| 12/27/2021 | 23:00:00 - 23:15:00 | 25 | 30 | 27 | 42 | 29 | 2.4 | 57.9 | 3.0 | 77.1 | 986.8 |
| 12/27/2021 | 23:15:00 - 23:30:00 | 25 | 30 | 27 | 42 | 29 | 2.2 | 51.8 | 3.1 | 77.8 | 986.6 |
| 12/27/2021 | 23:30:00 - 23:45:00 | 25 | 30 | 27 | 41 | 29 | 2.3 | 40.2 | 2.9 | 76.3 | 986.5 |
| 12/28/2021 | 23:45:00 - 00:00:00 | 24 | 30 | 27 | 41 | 28 | 4.5 | 26.5 | 3.0 | 79.0 | 986.3 |
| 12/28/2021 | 00:00:00 - 00:15:00 | 24 | 29 | 26 | 41 | 28 | 3.7 | 19.0 | 2.9 | 79.5 | 986.3 |
| 12/28/2021 | 00:15:00 - 00:30:00 | 24 | 29 | 26 | 40 | 28 | 2.0 | 72.4 | 2.9 | 78.1 | 986.4 |
| 12/28/2021 | 00:30:00 - 00:45:00 | 23 | 29 | 26 | 40 | 27 | 5.1 | 35.6 | 3.0 | 74.3 | 986.1 |
| 12/28/2021 | 00:45:00 - 01:00:00 | 23 | 29 | 26 | 39 | 27 | 6.0 | 34.3 | 2.9 | 72.8 | 985.8 |
| 12/28/2021 | 01:00:00 - 01:15:00 | 23 | 28 | 25 | 39 | 27 | 8.6 | 33.1 | 2.8 | 73.9 | 985.3 |
| 12/28/2021 | 01:15:00 - 01:30:00 | 23 | 28 | 25 | 39 | 27 | 11.3 | 34.4 | 2.5 | 76.9 | 984.7 |
| 12/28/2021 | 01:30:00 - 01:45:00 | 22 | 28 | 25 | 38 | 26 | 7.3 | 69.8 | 2.4 | 76.5 | 985.1 |
| 12/28/2021 | 01:45:00 - 02:00:00 | 22 | 28 | 25 | 38 | 26 | 6.8 | 37.5 | 2.4 | 76.4 | 985.3 |
| 12/28/2021 | 02:00:00 - 02:15:00 | 22 | 27 | 25 | 38 | 26 | 5.0 | 40.4 | 2.3 | 76.8 | 985.7 |
| 12/28/2021 | 02:15:00 - 02:30:00 | 22 | 27 | 24 | 37 | 26 | 8.1 | 87.1 | 2.2 | 76.9 | 985.7 |
| 12/28/2021 | 02:30:00 - 02:45:00 | 22 | 27 | 24 | 37 | 26 | 6.8 | 90.0 | 2.3 | 76.8 | 986.1 |
| 12/28/2021 | 02:45:00 - 03:00:00 | 21 | 27 | 24 | 37 | 25 | 5.5 | 122.3 | 2.4 | 77.7 | 986.3 |
| 12/28/2021 | 03:00:00 - 03:15:00 | 21 | 27 | 24 | 36 | 25 | 5.8 | 122.7 | 2.4 | 79.1 | 986.4 |
| 12/28/2021 | 03:15:00 - 03:30:00 | 21 | 26 | 24 | 36 | 25 | 6.0 | 117.2 | 2.4 | 78.8 | 986.3 |
| 12/28/2021 | 03:30:00 - 03:45:00 | 21 | 26 | 24 | 36 | 25 | 6.6 | 106.6 | 2.5 | 79.2 | 986.0 |
| 12/28/2021 | 03:45:00 - 04:00:00 | 21 | 26 | 23 | 35 | 25 | 10.0 | 82.7 | 2.4 | 79.8 | 985.6 |
| 12/28/2021 | 04:00:00 - 04:15:00 | 21 | 26 | 23 | 35 | 24 | 10.9 | 74.2 | 2.3 | 80.6 | 985.0 |
| 12/28/2021 | 04:15:00 - 04:30:00 | 20 | 26 | 23 | 35 | 24 | 7.4 | 81.9 | 2.3 | 80.2 | 985.2 |
| 12/28/2021 | 04:30:00 - 04:45:00 | 20 | 26 | 23 | 35 | 24 | 7.8 | 48.2 | 2.4 | 80.1 | 985.2 |
| 12/28/2021 | 04:45:00 - 05:00:00 | 20 | 26 | 23 | 35 | 24 | 4.5 | 48.3 | 2.4 | 80.4 | 985.2 |
| 12/28/2021 | 05:00:00 - 05:15:00 | 20 | 26 | 23 | 34 | 24 | 9.2 | 50.4 | 2.3 | 81.2 | 984.5 |
| 12/28/2021 | 05:15:00 - 05:30:00 | 20 | 26 | 23 | 34 | 24 | 9.5 | 52.7 | 2.1 | 82.7 | 984.0 |
| 12/28/2021 | 05:30:00 - 05:45:00 | 20 | 26 | 23 | 34 | 24 | 12.9 | 80.9 | 2.0 | 83.9 | 983.7 |
| 12/28/2021 | 05:45:00 - 06:00:00 | 20 | 25 | 23 | 34 | 24 | 13.1 | 70.5 | 2.2 | 83.3 | 983.3 |
| 12/28/2021 | 06:00:00 - 06:15:00 | 20 | 25 | 23 | 34 | 24 | 15.4 | 71.8 | 2.2 | 83.0 | 982.8 |
| 12/28/2021 | 06:15:00 - 06:30:00 | 20 | 25 | 23 | 33 | Offline | 14.2 | 75.8 | 2.2 | 84.2 | 982.7 |
| 12/28/2021 | 06:30:00 - 06:45:00 | 19 | 25 | 22 | 33 | Offline | 15.1 | 85.5 | 2.3 | 85.0 | 982.5 |
| 12/28/2021 | 06:45:00 - 07:00:00 | 19 | 25 | 22 | 33 | Offline | 15.0 | 75.5 | 2.4 | 85.4 | 982.5 |
| 12/28/2021 | 07:00:00 - 07:15:00 | 19 | 25 | 22 | 33 | Offline | 9.1 | 105.1 | 2.6 | 84.8 | 982.7 |
| 12/28/2021 | 07:15:00 - 07:30:00 | 19 | 25 | 22 | 33 | Offline | 9.7 | 101.4 | 2.8 | 84.0 | 982.5 |
| 12/28/2021 | 07:30:00 - 07:45:00 | 19 | 25 | 22 | 33 | Offline | 12.8 | 99.7 | 2.9 | 84.6 | 982.0 |
| 12/28/2021 | 07:45:00 - 08:00:00 | 15 | 25 | 19 | 33 | Offline | 11.1 | 112.9 | 3.1 | 83.7 | 981.6 |
| 12/28/2021 | 08:00:00 - 08:15:00 | 10 | 25 | 15 | 32 | 26 | 10.5 | 134.3 | 3.4 | 81.8 | 981.6 |
| 12/28/2021 | 08:15:00 - 08:30:00 | 10 | 25 | 14 | 32 | 16 | 7.0 | 137.8 | 3.6 | 81.1 | 982.0 |
| 12/28/2021 | 08:30:00 - 08:45:00 | 9 | 25 | 14 | 32 | 14 | 7.6 | 130.3 | 3.9 | 78.3 | 982.0 |
| 12/28/2021 | 08:45:00 - 09:00:00 | 9 | 25 | 13 | 32 | 14 | 5.7 | 129.4 | 4.1 | 78.0 | 981.9 |
| 12/28/2021 | 09:00:00 - 09:15:00 | 9 | 24 | 14 | 32 | 14 | 7.9 | 140.1 | 4.4 | 73.9 | 981.6 |
| 12/28/2021 | 09:15:00 - 09:30:00 | 9 | 24 | 14 | 32 | 14 | 9.8 | 110.6 | 4.4 | 74.9 | 981.2 |
| 12/28/2021 | 09:30:00 - 09:45:00 | 9 | 24 | 13 | 32 | 14 | 9.6 | 117.3 | 3.9 | 79.9 | 980.8 |
| 12/28/2021 | 09:45:00 - 10:00:00 | 9 | 24 | 13 | 31 | 13 | 11.8 | 129.3 | 3.4 | 85.1 | 980.8 |
| 12/28/2021 | 10:00:00 - 10:15:00 | 9 | 24 | 13 | 31 | 13 | 10.3 | 108.0 | 2.2 | 88.5 | 980.7 |
| 12/28/2021 | 10:15:00 - 10:30:00 | 8 | 24 | 13 | 31 | 13 | 6.1 | 139.5 | 1.3 | 92.4 | 981.3 |
| 12/28/2021 | 10:30:00 - 10:45:00 | 8 | 24 | 13 | 31 | 13 | 10.0 | 110.7 | 0.9 | 95.4 | 981.0 |
| 12/28/2021 | 10:45:00 - 11:00:00 | 9 | 24 | 13 | Offline | 13 | 10.2 | 84.7 | 0.8 | 97.8 | 980.8 |
| 12/28/2021 | 11:00:00 - 11:15:00 | 9 | Offline | 13 | Offline | 14 | 13.9 | 73.8 | 0.8 | 99.0 | 980.0 |
| 12/28/2021 | 11:15:00 - 11:30:00 | 9 | Offline | 13 | Offline | 14 | 15.0 | 70.8 | 0.9 | 99.0 | 979.3 |
| 12/28/2021 | 11:30:00 - 11:45:00 | 9 | Offline | 13 | Offline | 14 | 15.7 | 81.1 | 0.9 | 99.0 | 978.9 |
| 12/28/2021 | 11:45:00 - 12:00:00 | 9 | Offline | 13 | Offline | 14 | 82.9 | 85.7 | 1.0 | 99.9 | 978.5 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 12/28/2021 | 12:00:00 - 12:15:00 | 9 | Offline | 13 | Offline | 14 | 111.9 | 135.3 | 1.1 | 100.0 | 977.4 |
| 12/28/2021 | 12:15:00 - 12:30:00 | 9 | Offline | 13 | 25 | 14 | 107.2 | 134.4 | 1.4 | 100.0 | 976.6 |
| 12/28/2021 | 12:30:00 - 12:45:00 | 9 | 28 | 13 | 26 | 14 | 15.9 | 88.1 | 1.6 | 100.0 | 976.3 |
| 12/28/2021 | 12:45:00 - 13:00:00 | 9 | 29 | 13 | 25 | 14 | 18.2 | 74.0 | 1.8 | 100.0 | 976.2 |
| 12/28/2021 | 13:00:00 - 13:15:00 | 9 | 24 | 13 | 22 | 13 | 15.7 | 67.5 | 1.9 | 100.0 | 975.9 |
| 12/28/2021 | 13:15:00 - 13:30:00 | 9 | 22 | 13 | 21 | 13 | 15.0 | 77.4 | 2.1 | 100.0 | 975.6 |
| 12/28/2021 | 13:30:00 - 13:45:00 | 9 | 22 | 13 | 21 | 13 | 23.1 | 86.7 | 2.3 | 100.0 | 974.7 |
| 12/28/2021 | 13:45:00 - 14:00:00 | 9 | 21 | 13 | 20 | 13 | 20.0 | 93.4 | 2.4 | 100.0 | 974.2 |
| 12/28/2021 | 14:00:00 - 14:15:00 | 9 | 20 | 13 | 20 | 13 | 18.4 | 92.3 | 2.6 | 100.0 | 974.0 |
| 12/28/2021 | 14:15:00 - 14:30:00 | 9 | 19 | 12 | 19 | 13 | 21.7 | 100.4 | 2.9 | 99.4 | 972.6 |
| 12/28/2021 | 14:30:00 - 14:45:00 | 8 | 19 | 12 | 18 | 13 | 19.4 | 104.1 | 3.2 | 99.0 | 972.2 |
| 12/28/2021 | 14:45:00 - 15:00:00 | 8 | 18 | 12 | 18 | 13 | 14.6 | 114.9 | 3.4 | 98.4 | 972.8 |
| 12/28/2021 | 15:00:00 - 15:15:00 | 8 | 18 | 12 | 18 | 13 | 11.3 | 120.5 | 3.5 | 98.0 | 973.3 |
| 12/28/2021 | 15:15:00 - 15:30:00 | 8 | 17 | 12 | 17 | 12 | 10.6 | 125.4 | 3.6 | 98.6 | 973.4 |
| 12/28/2021 | 15:30:00 - 15:45:00 | 8 | 17 | 12 | 16 | 12 | 8.5 | 126.7 | 4.0 | 99.0 | 973.5 |
| 12/28/2021 | 15:45:00 - 16:00:00 | 8 | 16 | 12 | 16 | 12 | 7.0 | 120.0 | 4.3 | 98.5 | 973.7 |
| 12/28/2021 | 16:00:00 - 16:15:00 | 8 | 15 | 11 | 15 | 12 | 7.2 | 129.2 | 4.7 | 97.8 | 973.8 |
| 12/28/2021 | 16:15:00 - 16:30:00 | 8 | 15 | 11 | 15 | 11 | 9.7 | 136.5 | 4.8 | 97.0 | 974.1 |
| 12/28/2021 | 16:30:00 - 16:45:00 | 7 | 14 | 11 | 14 | 11 | 4.8 | 123.9 | 4.8 | 97.0 | 974.4 |
| 12/28/2021 | 16:45:00 - 17:00:00 | 7 | 14 | 11 | 14 | 11 | 4.6 | 106.6 | 4.8 | 97.0 | 974.6 |
| 12/28/2021 | 17:00:00 - 17:15:00 | 7 | 14 | 11 | 13 | 11 | 2.8 | 106.7 | 4.6 | 97.4 | 974.8 |
| 12/28/2021 | 17:15:00 - 17:30:00 | 7 | 13 | 11 | 13 | 11 | 2.7 | 93.5 | 4.4 | 98.0 | 975.0 |
| 12/28/2021 | 17:30:00 - 17:45:00 | 7 | 13 | 10 | 13 | 10 | 3.2 | 107.4 | 4.5 | 98.0 | 975.0 |
| 12/28/2021 | 17:45:00 - 18:00:00 | 7 | 13 | 10 | 13 | 10 | 3.2 | 95.7 | 4.3 | 98.2 | 975.1 |
| 12/28/2021 | 18:00:00 - 18:15:00 | 7 | 13 | 10 | 12 | 10 | 4.5 | 104.7 | 4.1 | 99.0 | 975.2 |
| 12/28/2021 | 18:15:00 - 18:30:00 | 7 | 13 | 10 | 13 | 10 | 4.0 | 36.3 | 3.6 | 99.1 | 975.4 |
| 12/28/2021 | 18:30:00 - 18:45:00 | 7 | 13 | 10 | 13 | 10 | 3.8 | 52.1 | 3.1 | 99.3 | 975.7 |
| 12/28/2021 | 18:45:00 - 19:00:00 | 7 | 13 | 10 | 13 | 10 | 4.5 | 54.3 | 3.0 | 100.0 | 976.0 |
| 12/28/2021 | 19:00:00 - 19:15:00 | 7 | 13 | 10 | 13 | 10 | 3.4 | 29.6 | 3.3 | 100.0 | 976.1 |
| 12/28/2021 | 19:15:00 - 19:30:00 | 7 | 14 | 11 | 13 | 10 | 2.2 | 73.7 | 3.6 | 100.0 | 976.3 |
| 12/28/2021 | 19:30:00 - 19:45:00 | 7 | 14 | 11 | 14 | 11 | 3.3 | 75.3 | 4.1 | 100.0 | 976.5 |
| 12/28/2021 | 19:45:00 - 20:00:00 | 7 | 14 | 11 | 14 | 11 | 6.8 | 76.2 | 4.6 | 100.0 | 976.7 |
| 12/28/2021 | 20:00:00 - 20:15:00 | 7 | 15 | 11 | 15 | 11 | 10.7 | 74.1 | 5.0 | 100.0 | 977.0 |
| 12/28/2021 | 20:15:00 - 20:30:00 | 8 | 15 | 11 | 15 | 11 | 9.0 | 73.6 | 5.1 | 100.0 | 977.3 |
| 12/28/2021 | 20:30:00 - 20:45:00 | 8 | 16 | 11 | 16 | 12 | 8.5 | 78.8 | 5.1 | 100.0 | 977.6 |
| 12/28/2021 | 20:45:00 - 21:00:00 | 8 | 17 | 12 | 17 | 12 | 8.0 | 77.8 | 5.2 | 100.0 | 977.7 |
| 12/28/2021 | 21:00:00 - 21:15:00 | 8 | 17 | 12 | 17 | 12 | 7.6 | 77.3 | 5.3 | 100.0 | 977.9 |
| 12/28/2021 | 21:15:00 - 21:30:00 | 9 | 18 | 12 | 17 | 13 | 7.9 | 73.8 | 5.4 | 100.0 | 978.0 |
| 12/28/2021 | 21:30:00 - 21:45:00 | 9 | 18 | 12 | 18 | 13 | 7.4 | 75.7 | 5.4 | 100.0 | 978.1 |
| 12/28/2021 | 21:45:00 - 22:00:00 | 9 | 18 | 13 | 18 | 13 | 8.4 | 78.5 | 5.5 | 100.0 | 978.4 |
| 12/28/2021 | 22:00:00 - 22:15:00 | 9 | 19 | 13 | 19 | 14 | 8.7 | 80.2 | 5.5 | 100.0 | 978.6 |
| 12/28/2021 | 22:15:00 - 22:30:00 | 10 | 19 | 13 | 19 | 14 | 9.2 | 75.1 | 5.6 | 100.0 | 978.7 |
| 12/28/2021 | 22:30:00 - 22:45:00 | 10 | 19 | 13 | 20 | 14 | 7.2 | 83.9 | 5.6 | 100.0 | 978.7 |
| 12/28/2021 | 22:45:00 - 23:00:00 | 10 | 20 | 13 | 20 | 15 | 8.2 | 85.6 | 5.7 | 100.0 | 978.8 |
| 12/28/2021 | 23:00:00 - 23:15:00 | 10 | 20 | 14 | 20 | 15 | 7.2 | 80.0 | 5.8 | 100.0 | 979.0 |
| 12/28/2021 | 23:15:00 - 23:30:00 | 11 | 20 | 14 | 21 | 15 | 7.6 | 75.3 | 5.8 | 100.0 | 979.3 |
| 12/28/2021 | 23:30:00 - 23:45:00 | 11 | 21 | 14 | 21 | 15 | 5.6 | 93.6 | 5.9 | 100.0 | 979.6 |
| 12/29/2021 | 23:45:00 - 00:00:00 | 11 | 21 | 14 | 22 | 16 | 4.2 | 83.2 | 5.9 | 100.0 | 979.3 |
| 12/29/2021 | 00:00:00 - 00:15:00 | 11 | 21 | 14 | 22 | 16 | 3.4 | 77.6 | 5.9 | 100.0 | 979.5 |
| 12/29/2021 | 00:15:00 - 00:30:00 | 12 | 21 | 15 | 22 | 16 | 5.6 | 74.2 | 5.9 | 100.0 | 979.7 |
| 12/29/2021 | 00:30:00 - 00:45:00 | 12 | 22 | 15 | 23 | 16 | 4.1 | 86.3 | 5.9 | 100.0 | 979.8 |
| 12/29/2021 | 00:45:00 - 01:00:00 | 12 | 22 | 15 | 23 | 17 | 4.7 | 79.2 | 5.9 | 100.0 | 979.9 |
| 12/29/2021 | 01:00:00 - 01:15:00 | 12 | 22 | 15 | 23 | 17 | 3.9 | 90.8 | 5.9 | 100.0 | 980.0 |
| 12/29/2021 | 01:15:00 - 01:30:00 | 12 | 22 | 15 | 23 | 17 | 7.4 | 65.2 | 6.0 | 100.0 | 980.4 |
| 12/29/2021 | 01:30:00 - 01:45:00 | 13 | 23 | 15 | 24 | 17 | 7.2 | 68.0 | 6.1 | 100.0 | 980.4 |
| 12/29/2021 | 01:45:00 - 02:00:00 | 13 | 23 | 16 | 24 | 18 | 7.4 | 70.4 | 6.2 | 100.0 | 981.0 |
| 12/29/2021 | 02:00:00 - 02:15:00 | 13 | 23 | 16 | 24 | 18 | 7.4 | 63.9 | 6.1 | 99.6 | 981.2 |
| 12/29/2021 | 02:15:00 - 02:30:00 | 13 | 23 | 16 | 24 | 18 | 7.0 | 66.3 | 6.1 | 99.0 | 981.4 |
| 12/29/2021 | 02:30:00 - 02:45:00 | 13 | 23 | 16 | 24 | 18 | 7.3 | 58.8 | 6.0 | 99.0 | 981.6 |
| 12/29/2021 | 02:45:00 - 03:00:00 | 13 | 23 | 16 | 24 | 18 | 8.0 | 41.8 | 6.0 | 98.2 | 981.7 |
| 12/29/2021 | 03:00:00 - 03:15:00 | 13 | 23 | 16 | 24 | 18 | 9.9 | 58.7 | 5.8 | 93.5 | 981.9 |
| 12/29/2021 | 03:15:00 - 03:30:00 | 13 | 23 | 16 | 24 | 18 | 12.3 | 46.9 | 5.7 | 92.6 | 982.2 |
| 12/29/2021 | 03:30:00 - 03:45:00 | 13 | 23 | 16 | 24 | 18 | 14.2 | 28.4 | 5.2 | 93.9 | 982.4 |
| 12/29/2021 | 03:45:00 - 04:00:00 | 13 | 23 | 16 | 24 | 18 | 14.8 | 32.8 | 4.5 | 95.7 | 982.7 |
| 12/29/2021 | 04:00:00 - 04:15:00 | 13 | 23 | 16 | 24 | 18 | 12.8 | 36.0 | 4.1 | 96.4 | 982.8 |
| 12/29/2021 | 04:15:00 - 04:30:00 | 13 | 23 | 16 | 24 | 18 | 8.4 | 27.7 | 3.8 | 97.0 | 982.9 |
| 12/29/2021 | 04:30:00 - 04:45:00 | 13 | 23 | 16 | 24 | 18 | 10.9 | 26.8 | 3.6 | 97.0 | 983.1 |
| 12/29/2021 | 04:45:00 - 05:00:00 | 13 | 23 | 16 | 24 | 18 | 13.1 | 33.8 | 3.2 | 97.4 | 983.5 |
| 12/29/2021 | 05:00:00 - 05:15:00 | 13 | 23 | 16 | 24 | 18 | 14.8 | 33.6 | 2.7 | 98.2 | 983.7 |
| 12/29/2021 | 05:15:00 - 05:30:00 | 13 | 23 | 16 | 24 | 18 | 12.8 | 32.9 | 2.5 | 99.0 | 983.9 |
| 12/29/2021 | 05:30:00 - 05:45:00 | 13 | 23 | 16 | 24 | 18 | 11.2 | 36.3 | 2.4 | 99.0 | 984.2 |
| 12/29/2021 | 05:45:00 - 06:00:00 | 13 | 23 | 16 | 24 | 18 | 9.4 | 31.0 | 2.4 | 99.0 | 984.5 |
| 12/29/2021 | 06:00:00 - 06:15:00 | 13 | 23 | 16 | 24 | 18 | 11.7 | 31.8 | 2.3 | 99.0 | 984.8 |
| 12/29/2021 | 06:15:00 - 06:30:00 | 14 | 23 | 17 | 24 | 19 | 12.0 | 31.4 | 2.2 | 99.0 | 984.8 |
| 12/29/2021 | 06:30:00 - 06:45:00 | 14 | 23 | 17 | 25 | 19 | 12.2 | 35.4 | 2.0 | 99.2 | 985.1 |
| 12/29/2021 | 06:45:00 - 07:00:00 | 14 | 23 | 17 | 25 | 19 | 10.7 | 44.6 | 1.9 | 99.6 | 985.4 |
| 12/29/2021 | 07:00:00 - 07:15:00 | 14 | 24 | 17 | 25 | 19 | 11.6 | 57.5 | 1.9 | 99.1 | 985.7 |
| 12/29/2021 | 07:15:00 - 07:30:00 | 14 | 24 | 17 | 25 | 19 | 10.0 | 41.8 | 1.8 | 98.3 | 985.7 |
| 12/29/2021 | 07:30:00 - 07:45:00 | 14 | 24 | 17 | 25 | 19 | 9.8 | 44.1 | 1.9 | 97.5 | 985.8 |
| 12/29/2021 | 07:45:00 - 08:00:00 | 14 | 24 | 17 | 25 | 19 | 9.7 | 58.1 | 1.8 | 96.2 | 986.2 |
| 12/29/2021 | 08:00:00 - 08:15:00 | 14 | 24 | 17 | 25 | 19 | 10.8 | 50.8 | 1.7 | 94.9 | 986.4 |
| 12/29/2021 | 08:15:00 - 08:30:00 | 14 | 24 | 17 | 25 | 19 | 11.5 | 36.6 | 1.7 | 93.7 | 986.5 |
| 12/29/2021 | 08:30:00 - 08:45:00 | 20 | 24 | 17 | 25 | 19 | 11.0 | 37.3 | 1.8 | 92.3 | 986.5 |
| 12/29/2021 | 08:45:00 - 09:00:00 | 24 | 24 | 18 | 25 | 24 | 10.7 | 58.4 | 1.7 | 91.4 | 986.4 |
| 12/29/2021 | 09:00:00 - 09:15:00 | 23 | 24 | 18 | 26 | 29 | 9.7 | 35.9 | 1.9 | 91.5 | 986.6 |
| 12/29/2021 | 09:15:00 - 09:30:00 | 23 | 24 | 18 | 26 | 29 | 11.4 | 31.0 | 1.9 | 90.7 | 986.8 |
| 12/29/2021 | 09:30:00 - 09:45:00 | 23 | 25 | 18 | 26 | 29 | 10.8 | 40.0 | 1.9 | 90.0 | 987.0 |
| 12/29/2021 | 09:45:00 - 10:00:00 | 24 | 25 | 18 | 26 | 29 | 13.1 | 31.3 | 1.9 | 89.0 | 987.2 |
| 12/29/2021 | 10:00:00 - 10:15:00 | 24 | 25 | 18 | 26 | 30 | 10.7 | 34.3 | 1.8 | 88.4 | 987.2 |
| 12/29/2021 | 10:15:00 - 10:30:00 | 24 | 25 | 18 | 26 | 30 | 11.0 | 31.6 | 1.8 | 88.4 | 987.0 |
| 12/29/2021 | 10:30:00 - 10:45:00 | 25 | 25 | 18 | 26 | 30 | 8.7 | 24.6 | 1.8 | 88.4 | 987.1 |
| 12/29/2021 | 10:45:00 - 11:00:00 | 25 | 25 | 18 | 26 | 30 | 9.2 | 32.5 | 1.9 | 88.4 | 987.2 |
| 12/29/2021 | 11:00:00 - 11:15:00 | 27 | 25 | 19 | 26 | 39 | 9.9 | 42.0 | 1.9 | 88.5 | 987.5 |
| 12/29/2021 | 11:15:00 - 11:30:00 | 28 | 25 | 19 | 26 | 39 | 8.0 | 23.7 | 2.0 | 88.4 | 987.8 |
| 12/29/2021 | 11:30:00 - 11:45:00 | 28 | 25 | 19 | 27 | 38 | 8.3 | 28.9 | 2.1 | 88.1 | 987.5 |
| 12/29/2021 | 11:45:00 - 12:00:00 | 27 | 25 | 19 | 27 | 37 | 9.0 | 23.7 | 2.0 | 88.2 | 987.4 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 12/29/2021 | 12:00:00 - 12:15:00 | 27 | 26 | 19 | 27 | 37 | 11.9 | 19.5 | 1.9 | 88.2 | 987.1 |
| 12/29/2021 | 12:15:00 - 12:30:00 | 27 | 26 | 19 | 27 | 36 | 9.9 | 23.4 | 1.9 | 88.5 | 986.9 |
| 12/29/2021 | 12:30:00 - 12:45:00 | 27 | 26 | 19 | 27 | 36 | 11.2 | 18.3 | 1.8 | 88.1 | 987.2 |
| 12/29/2021 | 12:45:00 - 13:00:00 | 27 | 26 | 19 | 27 | 37 | 9.8 | 16.1 | 1.7 | 87.9 | 986.6 |
| 12/29/2021 | 13:00:00 - 13:15:00 | 27 | 26 | 19 | 27 | 38 | 11.8 | 21.0 | 1.7 | 87.4 | 986.2 |
| 12/29/2021 | 13:15:00 - 13:30:00 | 27 | 26 | 20 | 27 | 38 | 11.2 | 31.3 | 1.7 | 86.9 | 986.1 |
| 12/29/2021 | 13:30:00 - 13:45:00 | 27 | 26 | 20 | 27 | 38 | 10.8 | 37.6 | 1.8 | 86.1 | 986.1 |
| 12/29/2021 | 13:45:00 - 14:00:00 | 27 | 26 | 20 | 28 | 38 | 10.1 | 42.7 | 1.9 | 85.5 | 986.0 |
| 12/29/2021 | 14:00:00 - 14:15:00 | 27 | 26 | 20 | 28 | 38 | 10.3 | 45.0 | 1.9 | 85.6 | 986.1 |
| 12/29/2021 | 14:15:00 - 14:30:00 | 26 | 26 | 20 | 28 | 37 | 11.0 | 55.6 | 1.8 | 85.3 | 986.2 |
| 12/29/2021 | 14:30:00 - 14:45:00 | 26 | 26 | 20 | 28 | 37 | 9.7 | 49.6 | 1.9 | 85.6 | 986.0 |
| 12/29/2021 | 14:45:00 - 15:00:00 | 19 | 26 | 18 | 28 | 38 | 10.5 | 43.4 | 1.9 | 85.7 | 985.9 |
| 12/29/2021 | 15:00:00 - 15:15:00 | 7 | 9 | 8 | 32 | 22 | 9.7 | 54.9 | 1.8 | 85.1 | 986.1 |
| 12/29/2021 | 15:15:00 - 15:30:00 | 7 | 8 | 8 | 39 | 9 | 11.0 | 62.3 | 1.8 | 84.4 | 986.3 |
| 12/29/2021 | 15:30:00 - 15:45:00 | 7 | 8 | 8 | 40 | 10 | 9.4 | 70.5 | 1.7 | 82.5 | 986.6 |
| 12/29/2021 | 15:45:00 - 16:00:00 | 7 | 8 | 8 | 39 | 10 | 9.0 | 81.8 | 1.6 | 84.1 | 986.5 |
| 12/29/2021 | 16:00:00 - 16:15:00 | 8 | 10 | 9 | 65 | 13 | 7.2 | 56.6 | 1.6 | 85.3 | 986.5 |
| 12/29/2021 | 16:15:00 - 16:30:00 | 8 | 11 | 9 | 63 | 13 | 7.5 | 46.6 | 1.7 | 85.7 | 986.5 |
| 12/29/2021 | 16:30:00 - 16:45:00 | 8 | 11 | 9 | 59 | 13 | 6.9 | 55.9 | 1.7 | 86.2 | 986.7 |
| 12/29/2021 | 16:45:00 - 17:00:00 | 8 | 10 | 9 | 56 | 12 | 7.3 | 85.4 | 1.7 | 86.0 | 986.5 |
| 12/29/2021 | 17:00:00 - 17:15:00 | 8 | 10 | 9 | 54 | 12 | 7.8 | 92.1 | 1.8 | 86.4 | 987.0 |
| 12/29/2021 | 17:15:00 - 17:30:00 | 8 | 10 | 9 | 52 | 12 | 9.9 | 88.6 | 1.8 | 86.9 | 986.5 |
| 12/29/2021 | 17:30:00 - 17:45:00 | 8 | 10 | 9 | 51 | 12 | 10.9 | 82.1 | 1.7 | 87.9 | 986.1 |
| 12/29/2021 | 17:45:00 - 18:00:00 | 8 | 10 | 9 | 50 | 12 | 9.6 | 70.8 | 1.6 | 89.1 | 985.9 |
| 12/29/2021 | 18:00:00 - 18:15:00 | 8 | 10 | 9 | 49 | 11 | 7.0 | 71.4 | 1.6 | 89.3 | 986.1 |
| 12/29/2021 | 18:15:00 - 18:30:00 | 8 | 10 | 9 | 48 | 11 | 6.8 | 37.3 | 1.6 | 90.0 | 986.1 |
| 12/29/2021 | 18:30:00 - 18:45:00 | 8 | 10 | 9 | 47 | 11 | 7.4 | 27.9 | 1.7 | 91.0 | 986.1 |
| 12/29/2021 | 18:45:00 - 19:00:00 | 8 | 10 | 9 | 47 | 11 | 7.5 | 28.6 | 1.7 | 92.3 | 986.1 |
| 12/29/2021 | 19:00:00 - 19:15:00 | 8 | 10 | 9 | 46 | 11 | 8.1 | 31.3 | 1.7 | 93.3 | 985.8 |
| 12/29/2021 | 19:15:00 - 19:30:00 | 8 | 10 | 9 | 46 | 11 | 8.1 | 27.3 | 1.6 | 93.1 | 986.0 |
| 12/29/2021 | 19:30:00 - 19:45:00 | 8 | 10 | 9 | 46 | 11 | 8.2 | 22.6 | 1.6 | 93.0 | 986.5 |
| 12/29/2021 | 19:45:00 - 20:00:00 | 8 | 10 | 9 | 46 | 11 | 7.4 | 28.4 | 1.6 | 93.7 | 986.6 |
| 12/29/2021 | 20:00:00 - 20:15:00 | 8 | 10 | 9 | 45 | 11 | 9.1 | 34.6 | 1.6 | 93.4 | 986.4 |
| 12/29/2021 | 20:15:00 - 20:30:00 | 8 | 10 | 9 | 45 | 11 | 10.9 | 34.7 | 1.5 | 92.1 | 985.9 |
| 12/29/2021 | 20:30:00 - 20:45:00 | 8 | 10 | 9 | 45 | 11 | 12.0 | 49.7 | 1.4 | 91.9 | 985.8 |
| 12/29/2021 | 20:45:00 - 21:00:00 | 8 | 10 | 9 | 45 | 11 | 13.6 | 49.9 | 1.4 | 91.6 | 985.9 |
| 12/29/2021 | 21:00:00 - 21:15:00 | 9 | 10 | 9 | 46 | 11 | 10.0 | 34.8 | 1.3 | 92.7 | 986.1 |
| 12/29/2021 | 21:15:00 - 21:30:00 | 9 | 10 | 9 | 46 | 11 | 10.8 | 42.3 | 1.2 | 94.6 | 986.0 |
| 12/29/2021 | 21:30:00 - 21:45:00 | 9 | 10 | 9 | 46 | 12 | 12.2 | 47.7 | 1.2 | 95.4 | 985.9 |
| 12/29/2021 | 21:45:00 - 22:00:00 | 9 | 10 | 9 | 47 | 12 | 10.3 | 33.8 | 1.3 | 96.0 | 986.2 |
| 12/29/2021 | 22:00:00 - 22:15:00 | 9 | 10 | 9 | 48 | 12 | 10.5 | 44.8 | 1.3 | 96.4 | 986.2 |
| 12/29/2021 | 22:15:00 - 22:30:00 | 9 | 10 | 10 | 48 | 12 | 11.8 | 41.6 | 1.3 | 97.0 | 986.1 |
| 12/29/2021 | 22:30:00 - 22:45:00 | 9 | 11 | 10 | 49 | 12 | 12.0 | 36.1 | 1.3 | 97.0 | 986.1 |
| 12/29/2021 | 22:45:00 - 23:00:00 | 10 | 11 | 10 | 50 | 13 | 8.9 | 23.9 | 1.3 | 97.0 | 986.3 |
| 12/29/2021 | 23:00:00 - 23:15:00 | 10 | 11 | 10 | 51 | 13 | 10.5 | 38.9 | 1.3 | 97.0 | 986.0 |
| 12/29/2021 | 23:15:00 - 23:30:00 | 10 | 11 | 10 | 52 | 13 | 11.6 | 41.2 | 1.2 | 97.0 | 985.7 |
| 12/29/2021 | 23:30:00 - 23:45:00 | 10 | 11 | 11 | 53 | 14 | 12.7 | 46.6 | 1.0 | 97.0 | 985.7 |
| 12/30/2021 | 23:45:00 - 00:00:00 | 11 | 12 | 11 | 53 | 14 | 11.2 | 41.9 | 0.9 | 97.0 | 985.8 |
| 12/30/2021 | 00:00:00 - 00:15:00 | 11 | 12 | 11 | 54 | 14 | 12.5 | 49.9 | 0.8 | 96.9 | 985.7 |
| 12/30/2021 | 00:15:00 - 00:30:00 | 11 | 12 | 11 | 54 | 14 | 13.7 | 52.2 | 0.6 | 96.5 | 985.6 |
| 12/30/2021 | 00:30:00 - 00:45:00 | 11 | 12 | 11 | 54 | 14 | 12.6 | 56.3 | 0.5 | 96.5 | 985.7 |
| 12/30/2021 | 00:45:00 - 01:00:00 | 11 | 12 | 11 | 54 | 14 | 9.9 | 35.2 | 0.5 | 97.0 | 985.6 |
| 12/30/2021 | 01:00:00 - 01:15:00 | 11 | 12 | 11 | 55 | 14 | 10.7 | 46.3 | 0.5 | 97.0 | 985.5 |
| 12/30/2021 | 01:15:00 - 01:30:00 | 11 | 12 | 11 | 55 | 14 | 9.2 | 49.4 | 0.4 | 97.6 | 985.6 |
| 12/30/2021 | 01:30:00 - 01:45:00 | 11 | 12 | 11 | 55 | 14 | 9.5 | 39.7 | 0.4 | 98.0 | 985.7 |
| 12/30/2021 | 01:45:00 - 02:00:00 | 11 | 12 | 11 | 55 | 14 | 9.3 | 46.9 | 0.3 | 98.1 | 985.8 |
| 12/30/2021 | 02:00:00 - 02:15:00 | 11 | 12 | 11 | 55 | 14 | 8.0 | 56.2 | 0.3 | 98.8 | 985.9 |
| 12/30/2021 | 02:15:00 - 02:30:00 | 11 | 12 | 11 | 56 | 14 | 9.3 | 48.1 | 0.3 | 99.0 | 986.0 |
| 12/30/2021 | 02:30:00 - 02:45:00 | 11 | 12 | 11 | 56 | 14 | 7.3 | 37.2 | 0.3 | 99.3 | 985.9 |
| 12/30/2021 | 02:45:00 - 03:00:00 | 11 | 12 | 11 | 56 | 14 | 9.1 | 44.2 | 0.2 | 100.0 | 985.9 |
| 12/30/2021 | 03:00:00 - 03:15:00 | 11 | 12 | 11 | 56 | 14 | 8.5 | 43.2 | 0.2 | 100.0 | 985.8 |
| 12/30/2021 | 03:15:00 - 03:30:00 | 11 | 12 | 11 | 56 | 15 | 10.4 | 41.8 | 0.2 | 100.0 | 985.7 |
| 12/30/2021 | 03:30:00 - 03:45:00 | 12 | 12 | 11 | 56 | 15 | 10.3 | 43.1 | 0.1 | 100.0 | 985.5 |
| 12/30/2021 | 03:45:00 - 04:00:00 | 12 | 12 | 12 | 57 | 15 | 11.0 | 66.3 | 0.1 | 100.0 | 985.3 |
| 12/30/2021 | 04:00:00 - 04:15:00 | 12 | 12 | 12 | 57 | 15 | 10.4 | 70.6 | 0.2 | 100.0 | 985.2 |
| 12/30/2021 | 04:15:00 - 04:30:00 | 12 | 12 | 12 | 57 | 15 | 8.2 | 59.8 | 0.3 | 100.0 | 985.2 |
| 12/30/2021 | 04:30:00 - 04:45:00 | 12 | 13 | 12 | 57 | 15 | 10.5 | 76.0 | 0.3 | 100.0 | 985.0 |
| 12/30/2021 | 04:45:00 - 05:00:00 | 12 | 13 | 12 | 58 | 15 | 10.8 | 79.6 | 0.4 | 100.0 | 985.0 |
| 12/30/2021 | 05:00:00 - 05:15:00 | 12 | 13 | 12 | 58 | 15 | 10.6 | 75.5 | 0.4 | 100.0 | 985.0 |
| 12/30/2021 | 05:15:00 - 05:30:00 | 12 | 13 | 12 | 59 | 15 | 6.4 | 70.4 | 0.5 | 100.0 | 985.0 |
| 12/30/2021 | 05:30:00 - 05:45:00 | 12 | 13 | 12 | 59 | 15 | 8.8 | 65.7 | 0.5 | 100.0 | 985.1 |
| 12/30/2021 | 05:45:00 - 06:00:00 | 12 | 13 | 12 | 59 | 15 | 9.6 | 68.7 | 0.5 | 100.0 | 985.1 |
| 12/30/2021 | 06:00:00 - 06:15:00 | 12 | 13 | 12 | 60 | 16 | 10.1 | 78.0 | 0.6 | 100.0 | 985.3 |
| 12/30/2021 | 06:15:00 - 06:30:00 | 12 | 13 | 12 | 60 | 16 | 6.8 | 83.0 | 0.7 | 100.0 | 985.1 |
| 12/30/2021 | 06:30:00 - 06:45:00 | 13 | 13 | 12 | 61 | 16 | 6.6 | 95.3 | 0.8 | 100.0 | 985.2 |
| 12/30/2021 | 06:45:00 - 07:00:00 | 13 | 13 | 12 | 61 | 16 | 4.1 | 115.4 | 0.9 | 100.0 | 985.3 |
| 12/30/2021 | 07:00:00 - 07:15:00 | 13 | 13 | 12 | 62 | 16 | 3.9 | 112.9 | 1.0 | 100.0 | 985.3 |
| 12/30/2021 | 07:15:00 - 07:30:00 | 13 | 14 | 12 | 62 | 16 | 3.0 | 115.1 | 1.0 | 100.0 | 985.4 |
| 12/30/2021 | 07:30:00 - 07:45:00 | 13 | 14 | 12 | 63 | 16 | 3.0 | 125.1 | 1.1 | 100.0 | 985.4 |
| 12/30/2021 | 07:45:00 - 08:00:00 | 13 | 14 | 12 | 64 | 17 | 3.1 | 146.7 | 1.3 | 100.0 | 985.4 |
| 12/30/2021 | 08:00:00 - 08:15:00 | 13 | 16 | 12 | 64 | 17 | 3.6 | 122.2 | 1.4 | 100.0 | 985.3 |
| 12/30/2021 | 08:15:00 - 08:30:00 | 24 | 23 | 13 | 79 | 28 | 4.7 | 151.1 | 1.5 | 100.0 | 985.3 |
| 12/30/2021 | 08:30:00 - 08:45:00 | 24 | 23 | 13 | 120 | 31 | 4.6 | 134.5 | 1.6 | 100.0 | 985.4 |
| 12/30/2021 | 08:45:00 - 09:00:00 | 23 | 23 | 13 | 119 | 30 | 4.3 | 129.4 | 1.8 | 100.0 | 985.4 |
| 12/30/2021 | 09:00:00 - 09:15:00 | 23 | 23 | 13 | 117 | 30 | 4.5 | 124.2 | 1.9 | 100.0 | 985.6 |
| 12/30/2021 | 09:15:00 - 09:30:00 | 22 | 23 | 13 | 115 | 29 | 3.8 | 99.1 | 2.2 | 100.0 | 985.7 |
| 12/30/2021 | 09:30:00 - 09:45:00 | 22 | 23 | 13 | 113 | 29 | 5.2 | 113.8 | 2.5 | 100.0 | 985.8 |
| 12/30/2021 | 09:45:00 - 10:00:00 | 22 | 22 | 13 | 111 | 29 | 5.5 | 101.8 | 2.7 | 100.0 | 985.8 |
| 12/30/2021 | 10:00:00 - 10:15:00 | 21 | 22 | 13 | 109 | 28 | 6.5 | 111.2 | 2.8 | 100.0 | 986.0 |
| 12/30/2021 | 10:15:00 - 10:30:00 | 21 | 22 | 13 | 107 | 28 | 5.2 | 98.0 | 3.0 | 100.0 | 986.1 |
| 12/30/2021 | 10:30:00 - 10:45:00 | 21 | 21 | 13 | 117 | 27 | 7.9 | 104.1 | 3.1 | 100.0 | 986.1 |
| 12/30/2021 | 10:45:00 - 11:00:00 | 20 | 21 | 13 | 129 | 27 | 6.0 | 109.0 | 3.3 | 100.0 | 986.0 |
| 12/30/2021 | 11:00:00 - 11:15:00 | 20 | 21 | 13 | 124 | 26 | 5.2 | 119.1 | 3.6 | 100.0 | 985.7 |
| 12/30/2021 | 11:15:00 - 11:30:00 | 19 | 20 | 13 | 119 | 25 | 5.5 | 123.7 | 3.8 | 100.0 | 985.4 |
| 12/30/2021 | 11:30:00 - 11:45:00 | 19 | 20 | 13 | 115 | 25 | 5.3 | 100.6 | 4.0 | 100.0 | 985.1 |
| 12/30/2021 | 11:45:00 - 12:00:00 | 18 | 19 | 13 | 112 | 24 | 5.8 | 94.5 | 4.3 | 100.0 | 984.9 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 12/30/2021 | 12:00:00 - 12:15:00 | 18 | 19 | 13 | 109 | 24 | 6.4 | 84.2 | 4.3 | 100.0 | 984.7 |
| 12/30/2021 | 12:15:00 - 12:30:00 | 18 | 19 | 13 | 106 | 23 | 7.7 | 83.3 | 4.4 | 100.0 | 984.3 |
| 12/30/2021 | 12:30:00 - 12:45:00 | 18 | 18 | 13 | 103 | 23 | 4.3 | 88.0 | 4.7 | 99.7 | 984.0 |
| 12/30/2021 | 12:45:00 - 13:00:00 | 17 | 18 | 13 | 101 | 23 | 5.5 | 87.5 | 4.8 | 99.1 | 983.9 |
| 12/30/2021 | 13:00:00 - 13:15:00 | 17 | 18 | 13 | 98 | 22 | 5.0 | 71.8 | 4.9 | 99.7 | 983.7 |
| 12/30/2021 | 13:15:00 - 13:30:00 | 17 | 17 | 13 | 96 | 22 | 6.5 | 106.7 | 5.0 | 100.0 | 983.6 |
| 12/30/2021 | 13:30:00 - 13:45:00 | 16 | 17 | 13 | 93 | 21 | 6.0 | 119.5 | 5.2 | 99.8 | 983.5 |
| 12/30/2021 | 13:45:00 - 14:00:00 | 16 | 17 | 13 | 91 | 21 | 5.7 | 110.4 | 5.4 | 99.3 | 983.4 |
| 12/30/2021 | 14:00:00 - 14:15:00 | 15 | 16 | 13 | 88 | 20 | 6.5 | 126.7 | 5.6 | 98.5 | 983.4 |
| 12/30/2021 | 14:15:00 - 14:30:00 | 15 | 16 | 13 | 86 | 20 | 7.7 | 110.7 | 5.8 | 98.0 | 983.4 |
| 12/30/2021 | 14:30:00 - 14:45:00 | 15 | 16 | 13 | 84 | 19 | 9.5 | 124.0 | 6.1 | 96.7 | 983.5 |
| 12/30/2021 | 14:45:00 - 15:00:00 | 15 | 15 | 13 | 82 | 19 | 7.1 | 128.5 | 6.2 | 95.4 | 983.4 |
| 12/30/2021 | 15:00:00 - 15:15:00 | 14 | 15 | 13 | 81 | 18 | 5.3 | 138.5 | 6.4 | 94.8 | 983.1 |
| 12/30/2021 | 15:15:00 - 15:30:00 | 14 | 12 | 13 | 79 | 18 | 6.5 | 139.1 | 6.4 | 94.4 | 983.1 |
| 12/30/2021 | 15:30:00 - 15:45:00 | 14 | 9 | 13 | 78 | 18 | 6.9 | 134.8 | 6.4 | 94.5 | 983.2 |
| 12/30/2021 | 15:45:00 - 16:00:00 | 14 | 9 | 13 | 69 | 18 | 8.0 | 149.6 | 6.3 | 95.8 | 983.2 |
| 12/30/2021 | 16:00:00 - 16:15:00 | 14 | 9 | 13 | 42 | 13 | 3.5 | 139.8 | 6.2 | 96.0 | 983.0 |
| 12/30/2021 | 16:15:00 - 16:30:00 | 13 | 9 | 13 | 43 | 11 | 3.7 | 142.5 | 6.3 | 96.2 | 982.9 |
| 12/30/2021 | 16:30:00 - 16:45:00 | 13 | 9 | 13 | 43 | 11 | 4.5 | 143.4 | 6.3 | 97.0 | 982.9 |
| 12/30/2021 | 16:45:00 - 17:00:00 | 13 | 9 | 13 | 43 | 11 | 3.9 | 136.2 | 6.4 | 97.0 | 982.9 |
| 12/30/2021 | 17:00:00 - 17:15:00 | 13 | 9 | 13 | 44 | 11 | 3.7 | 135.7 | 6.4 | 97.0 | 983.2 |
| 12/30/2021 | 17:15:00 - 17:30:00 | 13 | 9 | 13 | 44 | 11 | 3.9 | 129.6 | 6.5 | 97.0 | 983.0 |
| 12/30/2021 | 17:30:00 - 17:45:00 | 13 | 9 | 13 | 44 | 11 | 4.1 | 129.3 | 6.5 | 96.5 | 983.1 |
| 12/30/2021 | 17:45:00 - 18:00:00 | 13 | 9 | 13 | 45 | 11 | 4.4 | 139.0 | 6.6 | 96.0 | 983.1 |
| 12/30/2021 | 18:00:00 - 18:15:00 | 13 | 9 | 12 | 45 | 11 | 6.1 | 143.5 | 6.6 | 96.0 | 983.2 |
| 12/30/2021 | 18:15:00 - 18:30:00 | 13 | 9 | 12 | 45 | 11 | 5.7 | 141.9 | 6.8 | 96.0 | 983.1 |
| 12/30/2021 | 18:30:00 - 18:45:00 | 13 | 9 | 12 | 46 | 12 | 7.4 | 157.0 | 6.8 | 96.3 | 983.1 |
| 12/30/2021 | 18:45:00 - 19:00:00 | 13 | 10 | 12 | 46 | 12 | 7.0 | 139.3 | 6.9 | 97.0 | 983.3 |
| 12/30/2021 | 19:00:00 - 19:15:00 | 12 | 10 | 12 | 46 | 12 | 6.3 | 131.7 | 6.9 | 97.0 | 983.3 |
| 12/30/2021 | 19:15:00 - 19:30:00 | 12 | 10 | 12 | 47 | 12 | 5.2 | 97.8 | 6.8 | 97.0 | 983.5 |
| 12/30/2021 | 19:30:00 - 19:45:00 | 12 | 10 | 12 | 47 | 12 | 6.9 | 79.6 | 6.7 | 97.2 | 983.5 |
| 12/30/2021 | 19:45:00 - 20:00:00 | 12 | 10 | 12 | 47 | 12 | 4.8 | 107.5 | 6.5 | 98.0 | 983.5 |
| 12/30/2021 | 20:00:00 - 20:15:00 | 12 | 10 | 12 | 47 | 12 | 6.1 | 72.1 | 6.4 | 98.0 | 983.5 |
| 12/30/2021 | 20:15:00 - 20:30:00 | 12 | 10 | 12 | 48 | 12 | 6.8 | 58.1 | 6.1 | 98.0 | 983.6 |
| 12/30/2021 | 20:30:00 - 20:45:00 | 12 | 10 | 12 | 48 | 12 | 5.6 | 55.6 | 5.8 | 98.0 | 983.8 |
| 12/30/2021 | 20:45:00 - 21:00:00 | 12 | 10 | 12 | 49 | 12 | 7.3 | 66.5 | 5.6 | 98.0 | 983.9 |
| 12/30/2021 | 21:00:00 - 21:15:00 | 12 | 10 | 12 | 49 | 13 | 6.5 | 82.7 | 5.6 | 98.0 | 983.9 |
| 12/30/2021 | 21:15:00 - 21:30:00 | 12 | 10 | 12 | 50 | 13 | 4.6 | 92.1 | 5.6 | 98.0 | 983.7 |
| 12/30/2021 | 21:30:00 - 21:45:00 | 12 | 11 | 12 | 50 | 13 | 3.8 | 73.8 | 5.3 | 98.0 | 983.6 |
| 12/30/2021 | 21:45:00 - 22:00:00 | 12 | 11 | 12 | 51 | 13 | 3.4 | 99.4 | 5.1 | 99.0 | 983.7 |
| 12/30/2021 | 22:00:00 - 22:15:00 | 12 | 11 | 12 | 51 | 13 | 4.9 | 110.1 | 5.3 | 99.0 | 983.6 |
| 12/30/2021 | 22:15:00 - 22:30:00 | 12 | 11 | 12 | 52 | 13 | 3.7 | 92.0 | 5.3 | 99.0 | 983.6 |
| 12/30/2021 | 22:30:00 - 22:45:00 | 12 | 11 | 12 | 52 | 13 | 4.6 | 106.8 | 5.3 | 99.0 | 983.5 |
| 12/30/2021 | 22:45:00 - 23:00:00 | 12 | 11 | 12 | 53 | 14 | 5.7 | 109.6 | 5.4 | 98.4 | 983.6 |
| 12/30/2021 | 23:00:00 - 23:15:00 | 12 | 11 | 12 | 53 | 14 | 5.2 | 103.4 | 5.4 | 98.0 | 983.5 |
| 12/30/2021 | 23:15:00 - 23:30:00 | 13 | 11 | 12 | 54 | 14 | 4.7 | 80.3 | 5.4 | 98.0 | 983.6 |
| 12/30/2021 | 23:30:00 - 23:45:00 | 13 | 11 | 12 | 54 | 14 | 4.6 | 86.8 | 5.5 | 98.0 | 983.8 |
| 12/31/2021 | 23:45:00 - 00:00:00 | 13 | 11 | 12 | 54 | 14 | 5.0 | 78.6 | 5.5 | 98.0 | 983.7 |
| 12/31/2021 | 00:00:00 - 00:15:00 | 13 | 11 | 12 | 55 | 14 | 3.4 | 114.0 | 5.5 | 98.0 | 983.7 |
| 12/31/2021 | 00:15:00 - 00:30:00 | 13 | 11 | 12 | 55 | 14 | 2.8 | 95.7 | 5.5 | 98.0 | 983.6 |
| 12/31/2021 | 00:30:00 - 00:45:00 | 13 | 12 | 12 | 55 | 14 | 2.4 | 109.1 | 5.6 | 98.0 | 983.3 |
| 12/31/2021 | 00:45:00 - 01:00:00 | 13 | 12 | 12 | 56 | 14 | 3.1 | 130.8 | 5.7 | 98.0 | 983.1 |
| 12/31/2021 | 01:00:00 - 01:15:00 | 13 | 12 | 12 | 56 | 15 | 2.8 | 115.2 | 5.7 | 98.0 | 983.0 |
| 12/31/2021 | 01:15:00 - 01:30:00 | 13 | 12 | 12 | 57 | 15 | 2.7 | 121.5 | 5.7 | 98.8 | 983.1 |
| 12/31/2021 | 01:30:00 - 01:45:00 | 13 | 12 | 12 | 57 | 15 | 3.8 | 132.6 | 5.7 | 99.8 | 983.2 |
| 12/31/2021 | 01:45:00 - 02:00:00 | 13 | 12 | 12 | 57 | 15 | 2.8 | 128.0 | 5.7 | 100.0 | 983.1 |
| 12/31/2021 | 02:00:00 - 02:15:00 | 13 | 12 | 12 | 57 | 15 | 2.7 | 126.3 | 5.7 | 100.0 | 983.0 |
| 12/31/2021 | 02:15:00 - 02:30:00 | 13 | 12 | 12 | 57 | 15 | 3.4 | 125.1 | 5.9 | 100.0 | 983.2 |
| 12/31/2021 | 02:30:00 - 02:45:00 | 13 | 12 | 12 | 56 | 15 | 6.2 | 143.3 | 6.1 | 100.0 | 983.0 |
| 12/31/2021 | 02:45:00 - 03:00:00 | 13 | 12 | 12 | 56 | 14 | 6.3 | 146.5 | 6.2 | 100.0 | 983.0 |
| 12/31/2021 | 03:00:00 - 03:15:00 | 12 | 12 | 12 | 55 | 14 | 6.0 | 150.3 | 6.3 | 100.0 | 982.8 |
| 12/31/2021 | 03:15:00 - 03:30:00 | 12 | 11 | 12 | 55 | 14 | 5.6 | 142.4 | 6.3 | 100.0 | 982.7 |
| 12/31/2021 | 03:30:00 - 03:45:00 | 12 | 11 | 12 | 55 | 14 | 4.1 | 136.7 | 6.4 | 100.0 | 982.7 |
| 12/31/2021 | 03:45:00 - 04:00:00 | 12 | 11 | 12 | 54 | 14 | 3.3 | 131.5 | 6.4 | 100.0 | 982.6 |
| 12/31/2021 | 04:00:00 - 04:15:00 | 12 | 11 | 12 | 54 | 14 | 2.9 | 129.5 | 6.4 | 100.0 | 982.3 |
| 12/31/2021 | 04:15:00 - 04:30:00 | 12 | 11 | 12 | 54 | 14 | 4.2 | 125.0 | 6.4 | 100.0 | 982.4 |
| 12/31/2021 | 04:30:00 - 04:45:00 | 12 | 11 | 12 | 53 | 14 | 3.5 | 139.7 | 6.5 | 100.0 | 982.3 |
| 12/31/2021 | 04:45:00 - 05:00:00 | 12 | 11 | 12 | 53 | 14 | 4.3 | 145.0 | 6.5 | 100.0 | 982.3 |
| 12/31/2021 | 05:00:00 - 05:15:00 | 12 | 11 | 12 | 53 | 14 | 3.1 | 124.2 | 6.4 | 100.0 | 982.4 |
| 12/31/2021 | 05:15:00 - 05:30:00 | 12 | 11 | 12 | 53 | 14 | 2.2 | 87.4 | 6.4 | 100.0 | 982.3 |
| 12/31/2021 | 05:30:00 - 05:45:00 | 12 | 11 | 12 | 52 | 13 | 2.5 | 124.2 | 6.4 | 100.0 | 982.2 |
| 12/31/2021 | 05:45:00 - 06:00:00 | 12 | 11 | 12 | 52 | 13 | 3.4 | 130.4 | 6.3 | 100.0 | 982.3 |
| 12/31/2021 | 06:00:00 - 06:15:00 | 12 | 11 | 12 | 52 | 13 | 3.5 | 68.0 | 6.4 | 100.0 | 982.3 |
| 12/31/2021 | 06:15:00 - 06:30:00 | 12 | 11 | 12 | 51 | 13 | 3.5 | 66.2 | 6.3 | 100.0 | 982.3 |
| 12/31/2021 | 06:30:00 - 06:45:00 | 12 | 11 | 12 | 51 | 13 | 2.3 | 85.8 | 6.4 | 100.0 | 982.4 |
| 12/31/2021 | 06:45:00 - 07:00:00 | 12 | 11 | 12 | 51 | 13 | 2.7 | 98.6 | 6.4 | 100.0 | 982.5 |
| 12/31/2021 | 07:00:00 - 07:15:00 | 12 | 11 | 12 | 50 | 13 | 4.6 | 101.1 | 6.4 | 100.0 | 982.5 |
| 12/31/2021 | 07:15:00 - 07:30:00 | 11 | 10 | 12 | 50 | 13 | 3.9 | 95.3 | 6.4 | 100.0 | 982.2 |
| 12/31/2021 | 07:30:00 - 07:45:00 | 11 | 10 | 12 | 50 | 13 | 6.2 | 131.9 | 6.3 | 100.0 | 982.0 |
| 12/31/2021 | 07:45:00 - 08:00:00 | 11 | 10 | 12 | 49 | 13 | 5.7 | 109.9 | 6.3 | 100.0 | 981.9 |
| 12/31/2021 | 08:00:00 - 08:15:00 | 11 | 10 | 12 | 49 | 13 | 5.3 | 119.9 | 6.3 | 100.0 | 981.7 |
| 12/31/2021 | 08:15:00 - 08:30:00 | 11 | 10 | 12 | 49 | 12 | 9.3 | 108.2 | 6.3 | 100.0 | 981.6 |
| 12/31/2021 | 08:30:00 - 08:45:00 | 11 | 10 | 11 | 49 | 12 | 7.8 | 110.4 | 6.3 | 100.0 | 981.6 |
| 12/31/2021 | 08:45:00 - 09:00:00 | 11 | 10 | 11 | 48 | 12 | 8.2 | 127.2 | 6.3 | 100.0 | 981.7 |
| 12/31/2021 | 09:00:00 - 09:15:00 | 11 | 10 | 11 | 48 | 12 | 9.4 | 108.2 | 6.4 | 100.0 | 981.6 |
| 12/31/2021 | 09:15:00 - 09:30:00 | 11 | 10 | 11 | 48 | 12 | 9.6 | 113.0 | 6.5 | 100.0 | 981.3 |
| 12/31/2021 | 09:30:00 - 09:45:00 | 11 | 10 | 11 | 48 | 12 | 8.8 | 116.6 | 6.6 | 100.0 | 981.3 |
| 12/31/2021 | 09:45:00 - 10:00:00 | 11 | 10 | 11 | 48 | 12 | 10.0 | 134.1 | 6.7 | 100.0 | 981.4 |
| 12/31/2021 | 10:00:00 - 10:15:00 | 11 | 10 | 11 | 48 | 12 | 10.1 | 139.6 | 6.9 | 100.0 | 981.5 |
| 12/31/2021 | 10:15:00 - 10:30:00 | 11 | 10 | 11 | 48 | 12 | 7.0 | 133.7 | 7.2 | 100.0 | 981.4 |
| 12/31/2021 | 10:30:00 - 10:45:00 | 11 | 10 | 11 | 48 | 12 | 9.7 | 132.4 | 7.5 | 100.0 | 981.1 |
| 12/31/2021 | 10:45:00 - 11:00:00 | 11 | 10 | 11 | 48 | 12 | 9.8 | 133.7 | 7.8 | 100.0 | 980.8 |
| 12/31/2021 | 11:00:00 - 11:15:00 | 11 | 10 | 11 | 48 | 12 | 8.9 | 133.4 | 8.3 | 100.0 | 980.5 |
| 12/31/2021 | 11:15:00 - 11:30:00 | 11 | 10 | 11 | 47 | 12 | 12.0 | 139.4 | 8.7 | 100.0 | 979.4 |
| 12/31/2021 | 11:30:00 - 11:45:00 | 11 | 10 | 11 | 47 | 12 | 9.5 | 136.3 | 9.1 | 100.0 | 979.2 |
| 12/31/2021 | 11:45:00 - 12:00:00 | 11 | 10 | 11 | 47 | 12 | 12.1 | 140.4 | 9.3 | 99.0 | 978.9 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 12/31/2021 | 12:00:00 - 12:15:00 | 11 | 10 | 11 | 47 | 12 | 11.3 | 141.9 | 9.4 | 98.5 | 978.7 |
| 12/31/2021 | 12:15:00 - 12:30:00 | 11 | 10 | 11 | 47 | 12 | 12.0 | 137.6 | 9.3 | 98.8 | 978.3 |
| 12/31/2021 | 12:30:00 - 12:45:00 | 11 | 10 | 11 | 47 | 12 | 10.3 | 145.0 | 9.5 | 98.9 | 977.9 |
| 12/31/2021 | 12:45:00 - 13:00:00 | 11 | 10 | 11 | 47 | 12 | 11.7 | 142.3 | 9.6 | 98.5 | 977.7 |
| 12/31/2021 | 13:00:00 - 13:15:00 | 11 | 10 | 11 | 47 | 12 | 11.2 | 141.0 | 10.0 | 97.6 | 977.3 |
| 12/31/2021 | 13:15:00 - 13:30:00 | 11 | 10 | 11 | 47 | 12 | 10.9 | 148.0 | 10.2 | 96.3 | 976.9 |
| 12/31/2021 | 13:30:00 - 13:45:00 | 11 | 10 | 11 | 47 | 12 | 12.0 | 142.8 | 10.2 | 95.6 | 976.4 |
| 12/31/2021 | 13:45:00 - 14:00:00 | 11 | 10 | 11 | 47 | 12 | 11.0 | 142.7 | 10.3 | 95.7 | 976.3 |
| 12/31/2021 | 14:00:00 - 14:15:00 | 11 | 10 | 11 | 47 | 12 | 9.1 | 146.4 | 10.6 | 95.1 | 976.0 |
| 12/31/2021 | 14:15:00 - 14:30:00 | 11 | 10 | 11 | 47 | 12 | 8.9 | 146.2 | 10.7 | 95.0 | 975.9 |
| 12/31/2021 | 14:30:00 - 14:45:00 | 11 | 10 | 11 | 47 | 12 | 8.1 | 147.7 | 10.7 | 95.9 | 976.0 |
| 12/31/2021 | 14:45:00 - 15:00:00 | 11 | 10 | 11 | 47 | 12 | 7.5 | 148.0 | 10.7 | 96.4 | 975.9 |
| 12/31/2021 | 15:00:00 - 15:15:00 | 11 | 10 | 11 | 47 | 12 | 8.4 | 146.8 | 10.7 | 97.0 | 975.8 |
| 12/31/2021 | 15:15:00 - 15:30:00 | 11 | 10 | 11 | 47 | 12 | 5.7 | 152.6 | 10.8 | 97.3 | 975.9 |
| 12/31/2021 | 15:30:00 - 15:45:00 | 11 | 10 | 11 | 47 | 12 | 4.4 | 144.2 | 10.9 | 98.0 | 976.3 |
| 12/31/2021 | 15:45:00 - 16:00:00 | 11 | 10 | 11 | 47 | 12 | 4.5 | 146.7 | 11.0 | 98.0 | 976.6 |
| 12/31/2021 | 16:00:00 - 16:15:00 | 11 | 10 | 11 | 47 | 12 | 4.1 | 148.7 | 11.1 | 98.0 | 976.7 |
| 12/31/2021 | 16:15:00 - 16:30:00 | 11 | 10 | 11 | 47 | 12 | 3.3 | 144.3 | 11.3 | 98.0 | 976.6 |
| 12/31/2021 | 16:30:00 - 16:45:00 | 11 | 10 | 11 | 47 | 12 | 4.1 | 148.0 | 11.3 | 98.9 | 976.7 |
| 12/31/2021 | 16:45:00 - 17:00:00 | 11 | 10 | 11 | 47 | 12 | 3.3 | 145.5 | 11.3 | 99.0 | 976.6 |
| 12/31/2021 | 17:00:00 - 17:15:00 | 11 | 10 | 11 | 47 | 12 | 3.5 | 153.2 | 11.5 | 99.0 | 976.5 |
| 12/31/2021 | 17:15:00 - 17:30:00 | 11 | 10 | 11 | 48 | 12 | 3.4 | 153.9 | 11.5 | 99.0 | 976.6 |
| 12/31/2021 | 17:30:00 - 17:45:00 | 11 | 10 | 11 | 48 | 12 | 3.1 | 154.3 | 11.5 | 99.0 | 976.7 |
| 12/31/2021 | 17:45:00 - 18:00:00 | 11 | 10 | 11 | 48 | 12 | 3.9 | 159.3 | 11.2 | 100.0 | 976.8 |
| 12/31/2021 | 18:00:00 - 18:15:00 | 11 | 10 | 11 | 48 | 12 | 3.0 | 146.3 | 11.0 | 100.0 | 977.0 |
| 12/31/2021 | 18:15:00 - 18:30:00 | 11 | 10 | 11 | 48 | 12 | 3.4 | 148.1 | 10.8 | 100.0 | 977.3 |
| 12/31/2021 | 18:30:00 - 18:45:00 | 11 | 10 | 11 | 48 | 12 | 3.7 | 151.9 | 10.7 | 100.0 | 977.4 |
| 12/31/2021 | 18:45:00 - 19:00:00 | 11 | 10 | 11 | 48 | 12 | 3.0 | 153.1 | 10.7 | 100.0 | 977.6 |
| 12/31/2021 | 19:00:00 - 19:15:00 | 11 | 10 | 11 | 48 | 12 | 4.3 | 151.6 | 10.6 | 100.0 | 977.4 |
| 12/31/2021 | 19:15:00 - 19:30:00 | 11 | 10 | 11 | 48 | 12 | 6.2 | 154.8 | 10.7 | 100.0 | 977.4 |
| 12/31/2021 | 19:30:00 - 19:45:00 | 11 | 10 | 11 | 48 | 12 | 4.8 | 153.1 | 10.8 | 100.0 | 977.5 |
| 12/31/2021 | 19:45:00 - 20:00:00 | 11 | 10 | 11 | 48 | 12 | 6.0 | 146.0 | 11.1 | 100.0 | 977.4 |
| 12/31/2021 | 20:00:00 - 20:15:00 | 11 | 10 | 11 | 49 | 12 | 7.1 | 154.1 | 11.3 | 100.0 | 977.8 |
| 12/31/2021 | 20:15:00 - 20:30:00 | 11 | 10 | 11 | 49 | 12 | 6.8 | 139.2 | 11.8 | 100.0 | 977.8 |
| 12/31/2021 | 20:30:00 - 20:45:00 | 11 | 10 | 11 | 49 | 12 | 4.3 | 115.8 | 11.8 | 100.0 | 977.8 |
| 12/31/2021 | 20:45:00 - 21:00:00 | 11 | 10 | 11 | 49 | 12 | 4.7 | 128.7 | 11.7 | 100.0 | 977.8 |
| 12/31/2021 | 21:00:00 - 21:15:00 | 11 | 10 | 11 | 49 | 12 | 6.7 | 138.0 | 11.9 | 100.0 | 977.9 |
| 12/31/2021 | 21:15:00 - 21:30:00 | 11 | 10 | 11 | 49 | 12 | 4.2 | 114.0 | 11.7 | 100.0 | 977.8 |
| 12/31/2021 | 21:30:00 - 21:45:00 | 11 | 10 | 11 | 49 | 12 | 6.6 | 89.5 | 11.5 | 100.0 | 978.0 |
| 12/31/2021 | 21:45:00 - 22:00:00 | 11 | 10 | 11 | 49 | 12 | 6.1 | 98.9 | 11.3 | 100.0 | 978.1 |
| 12/31/2021 | 22:00:00 - 22:15:00 | 11 | 10 | 11 | 49 | 12 | 5.1 | 102.8 | 11.1 | 100.0 | 978.0 |
| 12/31/2021 | 22:15:00 - 22:30:00 | 11 | 10 | 11 | 49 | 12 | 2.9 | 110.8 | 10.7 | 100.0 | 978.0 |
| 12/31/2021 | 22:30:00 - 22:45:00 | 11 | 10 | 11 | 49 | 12 | 3.1 | 89.3 | 10.5 | 100.0 | 978.0 |
| 12/31/2021 | 22:45:00 - 23:00:00 | 11 | 10 | 11 | 49 | 12 | 3.4 | 58.1 | 10.3 | 100.0 | 977.9 |
| 12/31/2021 | 23:00:00 - 23:15:00 | 11 | 10 | 11 | 49 | 12 | 4.7 | 59.0 | 10.2 | 100.0 | 978.1 |
| 12/31/2021 | 23:15:00 - 23:30:00 | 11 | 10 | 11 | 49 | 12 | 13.7 | 22.7 | 8.6 | 100.0 | 978.5 |
| 12/31/2021 | 23:30:00 - 23:45:00 | 11 | 10 | 11 | 50 | 12 | 15.0 | 22.4 | 6.9 | 100.0 | 978.5 |
| 01/01/2022 | 23:45:00 - 00:00:00 | 11 | 10 | 11 | 50 | 12 | 14.9 | 28.9 | 6.4 | 100.0 | 978.6 |
| 01/01/2022 | 00:00:00 - 00:15:00 | 11 | 10 | 11 | 50 | 12 | 12.7 | 24.0 | 5.9 | 100.0 | 978.8 |
| 01/01/2022 | 00:15:00 - 00:30:00 | 11 | 10 | 11 | 50 | 12 | 9.7 | 32.4 | 5.5 | 100.0 | 978.9 |
| 01/01/2022 | 00:30:00 - 00:45:00 | 11 | 10 | 11 | 50 | 12 | 11.7 | 39.0 | 5.1 | 100.0 | 979.2 |
| 01/01/2022 | 00:45:00 - 01:00:00 | 11 | 10 | 11 | 50 | 12 | 14.2 | 37.1 | 4.6 | 100.0 | 979.0 |
| 01/01/2022 | 01:00:00 - 01:15:00 | 11 | 10 | 11 | 50 | 12 | 12.8 | 41.4 | 4.4 | 100.0 | 979.1 |
| 01/01/2022 | 01:15:00 - 01:30:00 | 11 | 10 | 11 | 50 | 12 | 12.2 | 41.1 | 4.2 | 100.0 | 979.0 |
| 01/01/2022 | 01:30:00 - 01:45:00 | 11 | 10 | 11 | 50 | 12 | 11.2 | 40.9 | 4.1 | 100.0 | 979.1 |
| 01/01/2022 | 01:45:00 - 02:00:00 | 11 | 10 | 11 | 50 | 12 | 9.1 | 34.6 | 4.1 | 100.0 | 979.3 |
| 01/01/2022 | 02:00:00 - 02:15:00 | 11 | 10 | 11 | 50 | 12 | 12.5 | 35.3 | 3.8 | 100.0 | 979.5 |
| 01/01/2022 | 02:15:00 - 02:30:00 | 11 | 10 | 11 | 50 | 12 | 14.4 | 45.1 | 3.6 | 100.0 | 979.7 |
| 01/01/2022 | 02:30:00 - 02:45:00 | 11 | 10 | 11 | 50 | 13 | 12.4 | 51.1 | 3.3 | 100.0 | 980.0 |
| 01/01/2022 | 02:45:00 - 03:00:00 | 11 | 10 | 11 | 50 | 13 | 11.5 | 48.3 | 3.4 | 100.0 | 979.9 |
| 01/01/2022 | 03:00:00 - 03:15:00 | 11 | 10 | 11 | 50 | 13 | 11.9 | 34.3 | 3.4 | 100.0 | 980.0 |
| 01/01/2022 | 03:15:00 - 03:30:00 | 11 | 10 | 11 | 50 | 13 | 13.4 | 37.5 | 3.3 | 100.0 | 979.9 |
| 01/01/2022 | 03:30:00 - 03:45:00 | 11 | 10 | 11 | 50 | 13 | 11.4 | 32.4 | 3.2 | 100.0 | 979.7 |
| 01/01/2022 | 03:45:00 - 04:00:00 | 11 | 10 | 11 | 50 | 13 | 12.0 | 29.8 | 3.1 | 100.0 | 979.8 |
| 01/01/2022 | 04:00:00 - 04:15:00 | 11 | 10 | 11 | 50 | 13 | 9.7 | 25.7 | 3.1 | 100.0 | 979.8 |
| 01/01/2022 | 04:15:00 - 04:30:00 | 11 | 10 | 11 | 51 | 13 | 10.6 | 25.7 | 3.2 | 100.0 | 979.9 |
| 01/01/2022 | 04:30:00 - 04:45:00 | 11 | 10 | 11 | 51 | 13 | 10.3 | 24.4 | 3.1 | 100.0 | 979.8 |
| 01/01/2022 | 04:45:00 - 05:00:00 | 11 | 10 | 11 | 51 | 13 | 10.4 | 25.1 | 3.2 | 100.0 | 980.0 |
| 01/01/2022 | 05:00:00 - 05:15:00 | 11 | Offline | 11 | 51 | 13 | 12.3 | 25.8 | 3.2 | 100.0 | 980.5 |
| 01/01/2022 | 05:15:00 - 05:30:00 | 11 | Offline | 11 | 52 | 13 | 9.2 | 24.0 | 3.3 | 100.0 | 980.5 |
| 01/01/2022 | 05:30:00 - 05:45:00 | 11 | Offline | 11 | 52 | 13 | 8.5 | 24.8 | 3.3 | 100.0 | 980.6 |
| 01/01/2022 | 05:45:00 - 06:00:00 | 11 | Offline | 11 | 52 | 13 | 8.6 | 21.7 | 3.4 | 100.0 | 980.8 |
| 01/01/2022 | 06:00:00 - 06:15:00 | 11 | Offline | 11 | 52 | 13 | 6.4 | 28.9 | 3.4 | 100.0 | 981.3 |
| 01/01/2022 | 06:15:00 - 06:30:00 | 11 | Offline | 11 | 52 | 13 | 8.5 | 27.8 | 3.5 | 100.0 | 981.5 |
| 01/01/2022 | 06:30:00 - 06:45:00 | 11 | Offline | 11 | 52 | 13 | 10.1 | 25.1 | 3.5 | 100.0 | 981.0 |
| 01/01/2022 | 06:45:00 - 07:00:00 | 11 | Offline | 11 | 52 | 13 | 9.4 | 26.2 | 3.5 | 100.0 | 980.8 |
| 01/01/2022 | 07:00:00 - 07:15:00 | 11 | Offline | 11 | 52 | 13 | 10.7 | 29.0 | 3.8 | 100.0 | 980.7 |
| 01/01/2022 | 07:15:00 - 07:30:00 | 11 | Offline | 11 | 52 | 13 | 12.5 | 29.5 | 3.7 | 100.0 | 981.1 |
| 01/01/2022 | 07:30:00 - 07:45:00 | 11 | Offline | 11 | 52 | 13 | 13.1 | 35.4 | 3.5 | 100.0 | 980.4 |
| 01/01/2022 | 07:45:00 - 08:00:00 | 11 | Offline | 11 | 53 | 13 | 12.1 | 34.1 | 3.4 | 100.0 | 980.7 |
| 01/01/2022 | 08:00:00 - 08:15:00 | 11 | Offline | 11 | 53 | 13 | 10.9 | 34.3 | 3.4 | 100.0 | 980.8 |
| 01/01/2022 | 08:15:00 - 08:30:00 | 11 | Offline | 11 | 53 | 13 | 12.5 | 28.4 | 3.4 | 100.0 | 981.2 |
| 01/01/2022 | 08:30:00 - 08:45:00 | 11 | Offline | 11 | 53 | 13 | 13.7 | 32.7 | 3.5 | 100.0 | 981.4 |
| 01/01/2022 | 08:45:00 - 09:00:00 | 11 | Offline | 11 | 53 | 13 | 13.8 | 40.6 | 3.5 | 100.0 | 981.0 |
| 01/01/2022 | 09:00:00 - 09:15:00 | 11 | Offline | 11 | 53 | 13 | 11.5 | 27.5 | 3.5 | 100.0 | 981.0 |
| 01/01/2022 | 09:15:00 - 09:30:00 | 11 | Offline | 11 | 53 | 13 | 18.6 | 47.8 | 3.5 | 100.0 | 981.1 |
| 01/01/2022 | 09:30:00 - 09:45:00 | 11 | Offline | 11 | 53 | 13 | 15.4 | 46.6 | 3.6 | 100.0 | 981.5 |
| 01/01/2022 | 09:45:00 - 10:00:00 | 11 | Offline | 11 | 53 | 13 | 12.2 | 40.9 | 3.6 | 100.0 | 981.7 |
| 01/01/2022 | 10:00:00 - 10:15:00 | 11 | Offline | 11 | 53 | 13 | 14.4 | 41.2 | 3.5 | 100.0 | 981.9 |
| 01/01/2022 | 10:15:00 - 10:30:00 | 11 | Offline | 11 | 53 | 13 | 12.6 | 27.9 | 3.6 | 100.0 | 982.0 |
| 01/01/2022 | 10:30:00 - 10:45:00 | 11 | Offline | 11 | 53 | 13 | 14.8 | 32.9 | 3.4 | 100.0 | 981.7 |
| 01/01/2022 | 10:45:00 - 11:00:00 | 11 | Offline | 11 | 53 | 13 | 11.3 | 26.2 | 3.3 | 100.0 | 982.0 |
| 01/01/2022 | 11:00:00 - 11:15:00 | 11 | Offline | 11 | 53 | 13 | 13.6 | 23.8 | 3.2 | 100.0 | 981.9 |
| 01/01/2022 | 11:15:00 - 11:30:00 | 11 | Offline | 11 | 53 | 13 | 16.8 | 35.7 | 3.1 | 100.0 | 981.3 |
| 01/01/2022 | 11:30:00 - 11:45:00 | 11 | Offline | 11 | 53 | 13 | 17.5 | 32.9 | 3.0 | 100.0 | 980.9 |
| 01/01/2022 | 11:45:00 - 12:00:00 | 11 | Offline | 11 | 53 | 13 | 15.1 | 30.4 | 2.9 | 100.0 | 980.4 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 01/01/2022 | 12:00:00 - 12:15:00 | 11 | Offline | 11 | 53 | 13 | 19.3 | 47.3 | 2.9 | 99.9 | 979.6 |
| 01/01/2022 | 12:15:00 - 12:30:00 | 11 | Offline | 11 | 53 | 13 | 17.8 | 40.0 | 3.0 | 99.0 | 979.1 |
| 01/01/2022 | 12:30:00 - 12:45:00 | 11 | Offline | 11 | 53 | 13 | 17.6 | 41.1 | 3.0 | 98.1 | 978.9 |
| 01/01/2022 | 12:45:00 - 13:00:00 | 11 | Offline | 11 | 53 | 13 | 18.5 | 42.1 | 3.1 | 97.2 | 979.3 |
| 01/01/2022 | 13:00:00 - 13:15:00 | 11 | Offline | 11 | 53 | 13 | 17.3 | 45.8 | 3.0 | 96.9 | 979.2 |
| 01/01/2022 | 13:15:00 - 13:30:00 | 11 | Offline | 11 | 52 | 13 | 20.7 | 54.9 | 2.9 | 96.8 | 978.3 |
| 01/01/2022 | 13:30:00 - 13:45:00 | 11 | Offline | 11 | 52 | 13 | 17.6 | 46.0 | 2.7 | 98.7 | 978.0 |
| 01/01/2022 | 13:45:00 - 14:00:00 | 11 | Offline | 11 | 52 | 13 | 20.2 | 44.6 | 2.7 | 99.0 | 978.2 |
| 01/01/2022 | 14:00:00 - 14:15:00 | 11 | Offline | 11 | 52 | 13 | 19.1 | 42.1 | 2.5 | 99.4 | 978.0 |
| 01/01/2022 | 14:15:00 - 14:30:00 | 11 | Offline | 11 | 52 | 13 | 17.0 | 36.9 | 2.4 | 100.0 | 978.1 |
| 01/01/2022 | 14:30:00 - 14:45:00 | 11 | Offline | 11 | 52 | 13 | 16.6 | 45.1 | 2.3 | 100.0 | 978.1 |
| 01/01/2022 | 14:45:00 - 15:00:00 | 11 | Offline | 11 | 52 | 13 | 20.5 | 42.9 | 2.1 | 100.0 | 978.4 |
| 01/01/2022 | 15:00:00 - 15:15:00 | 11 | Offline | 11 | 52 | 13 | 16.8 | 25.3 | 2.1 | 100.0 | 978.8 |
| 01/01/2022 | 15:15:00 - 15:30:00 | 11 | Offline | 11 | 51 | 13 | 16.8 | 29.7 | 2.0 | 100.0 | 978.9 |
| 01/01/2022 | 15:30:00 - 15:45:00 | 11 | Offline | 11 | 51 | 13 | 13.5 | 26.9 | 1.9 | 100.0 | 979.3 |
| 01/01/2022 | 15:45:00 - 16:00:00 | 11 | Offline | 11 | 51 | 13 | 16.1 | 33.8 | 1.8 | 100.0 | 979.2 |
| 01/01/2022 | 16:00:00 - 16:15:00 | 11 | Offline | 11 | 51 | 12 | 20.5 | 46.9 | 1.7 | 100.0 | 978.8 |
| 01/01/2022 | 16:15:00 - 16:30:00 | 11 | Offline | 10 | 51 | 12 | 21.9 | 54.1 | 1.7 | 100.0 | 978.9 |
| 01/01/2022 | 16:30:00 - 16:45:00 | 11 | Offline | 10 | 50 | 12 | 19.8 | 52.7 | 1.7 | 100.0 | 979.0 |
| 01/01/2022 | 16:45:00 - 17:00:00 | 11 | Offline | 10 | 50 | 12 | 18.7 | 53.6 | 1.7 | 100.0 | 979.1 |
| 01/01/2022 | 17:00:00 - 17:15:00 | 11 | Offline | 10 | 50 | 12 | 18.0 | 48.7 | 1.5 | 100.0 | 978.8 |
| 01/01/2022 | 17:15:00 - 17:30:00 | 10 | Offline | 10 | 50 | 12 | 13.2 | 39.4 | 1.4 | 100.0 | 979.2 |
| 01/01/2022 | 17:30:00 - 17:45:00 | 10 | Offline | 10 | 50 | 12 | 17.1 | 36.7 | 1.4 | 100.0 | 979.5 |
| 01/01/2022 | 17:45:00 - 18:00:00 | 10 | Offline | 10 | 49 | 12 | 15.2 | 30.4 | 1.3 | 100.0 | 979.5 |
| 01/01/2022 | 18:00:00 - 18:15:00 | 10 | Offline | 10 | 49 | 12 | 14.6 | 22.5 | 1.2 | 100.0 | 980.0 |
| 01/01/2022 | 18:15:00 - 18:30:00 | 10 | Offline | 10 | 49 | 12 | 14.0 | 19.4 | 1.0 | 100.0 | 980.2 |
| 01/01/2022 | 18:30:00 - 18:45:00 | 10 | Offline | 10 | 49 | 12 | 15.4 | 20.5 | 0.8 | 100.0 | 981.1 |
| 01/01/2022 | 18:45:00 - 19:00:00 | 10 | Offline | 10 | 49 | 12 | 14.9 | 18.3 | 0.4 | 100.0 | 981.1 |
| 01/01/2022 | 19:00:00 - 19:15:00 | 10 | Offline | 10 | 48 | 12 | 13.6 | 20.5 | 0.3 | 100.0 | 981.1 |
| 01/01/2022 | 19:15:00 - 19:30:00 | 10 | Offline | 10 | 48 | 12 | 11.2 | 23.0 | 0.4 | 100.0 | 981.1 |
| 01/01/2022 | 19:30:00 - 19:45:00 | 10 | Offline | 10 | 48 | 12 | 15.6 | 26.3 | 0.3 | 100.0 | 981.1 |
| 01/01/2022 | 19:45:00 - 20:00:00 | 10 | Offline | 10 | 48 | 12 | 13.6 | 32.3 | 0.3 | 100.0 | 981.0 |
| 01/01/2022 | 20:00:00 - 20:15:00 | 10 | Offline | 10 | 48 | 12 | 12.7 | 27.2 | 0.3 | 100.0 | 981.3 |
| 01/01/2022 | 20:15:00 - 20:30:00 | 10 | Offline | 10 | 48 | 12 | 16.4 | 24.8 | 0.2 | 100.0 | 981.2 |
| 01/01/2022 | 20:30:00 - 20:45:00 | 10 | Offline | 10 | 48 | 12 | 14.3 | 26.2 | 0.2 | 99.1 | 980.9 |
| 01/01/2022 | 20:45:00 - 21:00:00 | 10 | Offline | 10 | 47 | 12 | 17.4 | 28.2 | 0.1 | 98.7 | 981.0 |
| 01/01/2022 | 21:00:00 - 21:15:00 | 10 | Offline | 10 | 47 | 11 | 15.5 | 29.6 | 0.1 | 97.2 | 981.3 |
| 01/01/2022 | 21:15:00 - 21:30:00 | 10 | Offline | 10 | 47 | 11 | 15.6 | 32.2 | 0.1 | 97.1 | 981.3 |
| 01/01/2022 | 21:30:00 - 21:45:00 | 10 | Offline | 10 | 47 | 11 | 13.7 | 26.5 | 0.0 | 97.0 | 981.3 |
| 01/01/2022 | 21:45:00 - 22:00:00 | 10 | Offline | 10 | 47 | 11 | 13.9 | 27.9 | 0.0 | 96.4 | 981.6 |
| 01/01/2022 | 22:00:00 - 22:15:00 | 10 | Offline | 10 | 47 | 11 | 13.5 | 30.5 | 0.0 | 96.0 | 981.7 |
| 01/01/2022 | 22:15:00 - 22:30:00 | 10 | Offline | 10 | 46 | 11 | 14.7 | 23.3 | -0.1 | 95.4 | 981.9 |
| 01/01/2022 | 22:30:00 - 22:45:00 | 10 | Offline | 10 | 46 | 11 | 16.2 | 27.3 | -0.3 | 94.1 | 981.8 |
| 01/01/2022 | 22:45:00 - 23:00:00 | 10 | Offline | 10 | 46 | 11 | 16.0 | 26.1 | -0.4 | 94.0 | 981.8 |
| 01/01/2022 | 23:00:00 - 23:15:00 | 10 | Offline | 10 | 46 | 11 | 15.2 | 28.1 | -0.5 | 95.0 | 982.0 |
| 01/01/2022 | 23:15:00 - 23:30:00 | 10 | Offline | 10 | 46 | 11 | 14.3 | 22.5 | -0.6 | 95.9 | 982.6 |
| 01/01/2022 | 23:30:00 - 23:45:00 | 10 | Offline | 10 | 46 | 11 | 14.4 | 18.2 | -0.7 | 96.7 | 982.8 |
| 01/02/2022 | 23:45:00 - 00:00:00 | 10 | Offline | 10 | Offline | 11 | 15.2 | 18.7 | -0.9 | 98.1 | 983.1 |
| 01/02/2022 | 00:00:00 - 00:15:00 | 9 | Offline | 10 | Offline | Offline | 14.6 | 35.2 | -1.2 | 97.6 | 983.4 |
| 01/02/2022 | 00:15:00 - 00:30:00 | 9 | Offline | 10 | Offline | Offline | 13.5 | 23.2 | -1.3 | 98.1 | 983.6 |
| 01/02/2022 | 00:30:00 - 00:45:00 | 9 | Offline | 10 | Offline | Offline | 10.4 | 29.0 | -1.5 | 99.0 | 983.8 |
| 01/02/2022 | 00:45:00 - 01:00:00 | 9 | Offline | 10 | Offline | Offline | 11.7 | 29.2 | -1.6 | 99.6 | 983.8 |
| 01/02/2022 | 01:00:00 - 01:15:00 | 9 | Offline | 10 | Offline | Offline | 12.9 | 29.8 | -1.6 | 100.0 | 983.7 |
| 01/02/2022 | 01:15:00 - 01:30:00 | 9 | Offline | 10 | Offline | Offline | 10.7 | 23.1 | -1.6 | 100.0 | 984.0 |
| 01/02/2022 | 01:30:00 - 01:45:00 | 9 | Offline | 10 | Offline | Offline | 13.5 | 27.7 | -1.6 | 99.8 | 984.4 |
| 01/02/2022 | 01:45:00 - 02:00:00 | 9 | Offline | 10 | Offline | Offline | 12.8 | 25.1 | -1.7 | 98.5 | 984.6 |
| 01/02/2022 | 02:00:00 - 02:15:00 | 9 | Offline | 10 | Offline | Offline | 12.9 | 19.5 | -2.1 | 97.8 | 985.0 |
| 01/02/2022 | 02:15:00 - 02:30:00 | 9 | Offline | 9 | Offline | Offline | 12.8 | 22.7 | -2.8 | 98.0 | 985.2 |
| 01/02/2022 | 02:30:00 - 02:45:00 | 9 | Offline | 9 | Offline | Offline | 15.0 | 30.2 | -3.5 | 97.4 | 985.5 |
| 01/02/2022 | 02:45:00 - 03:00:00 | 9 | Offline | 9 | Offline | Offline | 14.8 | 25.8 | -3.7 | 97.8 | 985.7 |
| 01/02/2022 | 03:00:00 - 03:15:00 | 9 | Offline | 9 | Offline | Offline | 14.5 | 23.0 | -3.6 | 97.7 | 985.9 |
| 01/02/2022 | 03:15:00 - 03:30:00 | 9 | Offline | 9 | Offline | Offline | 12.6 | 22.8 | -3.5 | 98.0 | 986.1 |
| 01/02/2022 | 03:30:00 - 03:45:00 | 9 | Offline | 9 | Offline | Offline | 14.2 | 27.9 | -3.4 | 97.9 | 986.4 |
| 01/02/2022 | 03:45:00 - 04:00:00 | 9 | Offline | 9 | Offline | Offline | 14.0 | 21.8 | -3.5 | 97.6 | 986.6 |
| 01/02/2022 | 04:00:00 - 04:15:00 | 9 | Offline | 9 | Offline | Offline | 18.1 | 23.5 | -3.8 | 97.1 | 986.7 |
| 01/02/2022 | 04:15:00 - 04:30:00 | 9 | Offline | 9 | Offline | Offline | 16.4 | 26.5 | -4.1 | 96.7 | 987.0 |
| 01/02/2022 | 04:30:00 - 04:45:00 | 9 | Offline | 9 | Offline | Offline | 16.2 | 24.2 | -4.6 | 96.6 | 987.3 |
| 01/02/2022 | 04:45:00 - 05:00:00 | 9 | Offline | 9 | Offline | Offline | 16.2 | 26.2 | -4.9 | 96.0 | 987.5 |
| 01/02/2022 | 05:00:00 - 05:15:00 | 9 | Offline | 9 | Offline | Offline | 13.2 | 25.0 | -5.1 | 96.0 | 987.5 |
| 01/02/2022 | 05:15:00 - 05:30:00 | 9 | Offline | 9 | Offline | Offline | 14.5 | 17.2 | -5.3 | 95.8 | 987.6 |
| 01/02/2022 | 05:30:00 - 05:45:00 | 9 | Offline | 9 | Offline | Offline | 15.8 | 21.3 | -5.4 | 95.6 | 987.8 |
| 01/02/2022 | 05:45:00 - 06:00:00 | 9 | Offline | 9 | Offline | Offline | 15.0 | 20.2 | -5.5 | 95.3 | 987.6 |
| 01/02/2022 | 06:00:00 - 06:15:00 | 9 | Offline | 9 | Offline | Offline | 14.9 | 22.3 | -5.5 | 95.2 | 987.6 |
| 01/02/2022 | 06:15:00 - 06:30:00 | 9 | Offline | 9 | Offline | Offline | 14.2 | 22.8 | -5.4 | 95.2 | 987.9 |
| 01/02/2022 | 06:30:00 - 06:45:00 | 9 | Offline | 9 | Offline | Offline | 12.2 | 22.1 | -5.3 | 95.0 | 989.1 |
| 01/02/2022 | 06:45:00 - 07:00:00 | 9 | Offline | 9 | Offline | Offline | 10.7 | 19.7 | -5.1 | 94.9 | 989.7 |
| 01/02/2022 | 07:00:00 - 07:15:00 | 9 | Offline | 9 | Offline | Offline | 12.9 | 24.4 | -5.1 | 94.3 | 990.0 |
| 01/02/2022 | 07:15:00 - 07:30:00 | 9 | Offline | 9 | Offline | Offline | 13.9 | 27.7 | -5.1 | 94.0 | 990.4 |
| 01/02/2022 | 07:30:00 - 07:45:00 | 9 | Offline | 9 | Offline | Offline | 13.5 | 28.9 | -5.2 | 94.0 | 990.8 |
| 01/02/2022 | 07:45:00 - 08:00:00 | 9 | Offline | 9 | Offline | Offline | 13.7 | 24.4 | -5.2 | 93.9 | 991.1 |
| 01/02/2022 | 08:00:00 - 08:15:00 | 9 | Offline | 9 | Offline | Offline | 12.0 | 26.2 | -5.1 | 94.0 | 991.2 |
| 01/02/2022 | 08:15:00 - 08:30:00 | 9 | Offline | 9 | Offline | Offline | 11.4 | 29.2 | -5.0 | 94.0 | 991.2 |
| 01/02/2022 | 08:30:00 - 08:45:00 | 9 | Offline | 9 | Offline | Offline | 9.9 | 29.4 | -5.1 | 94.0 | 991.0 |
| 01/02/2022 | 08:45:00 - 09:00:00 | 9 | Offline | 9 | Offline | Offline | 11.7 | 25.1 | -5.3 | 94.0 | 991.6 |
| 01/02/2022 | 09:00:00 - 09:15:00 | 9 | Offline | 9 | Offline | Offline | 12.2 | 31.5 | -5.5 | 93.3 | 992.0 |
| 01/02/2022 | 09:15:00 - 09:30:00 | 9 | Offline | 9 | Offline | Offline | 12.6 | 28.7 | -5.7 | 93.5 | 992.1 |
| 01/02/2022 | 09:30:00 - 09:45:00 | 9 | Offline | 9 | Offline | Offline | 13.2 | 23.4 | -5.9 | 92.8 | 992.0 |
| 01/02/2022 | 09:45:00 - 10:00:00 | 9 | Offline | 9 | Offline | Offline | 12.8 | 23.2 | -6.1 | 92.3 | 992.3 |
| 01/02/2022 | 10:00:00 - 10:15:00 | 9 | Offline | 9 | Offline | Offline | 10.0 | 25.0 | -5.9 | 92.5 | 992.8 |
| 01/02/2022 | 10:15:00 - 10:30:00 | 9 | Offline | 9 | Offline | Offline | 14.4 | 21.9 | -6.0 | 92.1 | 992.8 |
| 01/02/2022 | 10:30:00 - 10:45:00 | 9 | Offline | 9 | Offline | Offline | 11.7 | 26.9 | -5.9 | 92.1 | 993.2 |
| 01/02/2022 | 10:45:00 - 11:00:00 | 9 | Offline | 9 | Offline | Offline | 10.8 | 28.3 | -5.9 | 92.3 | 993.2 |
| 01/02/2022 | 11:00:00 - 11:15:00 | 9 | Offline | 9 | Offline | Offline | 13.3 | 24.6 | -5.8 | 92.2 | 992.9 |
| 01/02/2022 | 11:15:00 - 11:30:00 | 9 | Offline | 9 | Offline | Offline | 13.1 | 22.4 | -5.8 | 92.0 | 993.1 |
| 01/02/2022 | 11:30:00 - 11:45:00 | 9 | Offline | 9 | Offline | Offline | 11.0 | 26.9 | -5.7 | 92.2 | 993.5 |
| 01/02/2022 | 11:45:00 - 12:00:00 | 9 | Offline | 9 | Offline | Offline | 11.2 | 23.6 | -5.6 | 92.2 | 993.7 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 01/02/2022 | 12:00:00 - 12:15:00 | 9 | Offline | 9 | Offline | Offline | 10.8 | 27.3 | -5.6 | 92.4 | 994.1 |
| 01/02/2022 | 12:15:00 - 12:30:00 | 9 | Offline | 9 | Offline | Offline | 9.7 | 25.0 | -5.5 | 92.4 | 994.3 |
| 01/02/2022 | 12:30:00 - 12:45:00 | 8 | Offline | 9 | Offline | Offline | 10.1 | 32.9 | -5.5 | 92.3 | 994.5 |
| 01/02/2022 | 12:45:00 - 13:00:00 | 8 | Offline | 9 | Offline | Offline | 8.9 | 33.6 | -5.4 | 92.3 | 994.7 |
| 01/02/2022 | 13:00:00 - 13:15:00 | 8 | Offline | 9 | Offline | Offline | 8.6 | 35.1 | -5.4 | 91.9 | 994.5 |
| 01/02/2022 | 13:15:00 - 13:30:00 | 8 | Offline | 9 | Offline | Offline | 8.5 | 41.1 | -5.2 | 92.0 | 994.7 |
| 01/02/2022 | 13:30:00 - 13:45:00 | 8 | Offline | 9 | Offline | Offline | 7.4 | 30.0 | -5.1 | 91.8 | 994.8 |
| 01/02/2022 | 13:45:00 - 14:00:00 | 8 | Offline | 9 | Offline | Offline | 7.5 | 47.0 | -5.0 | 91.9 | 995.1 |
| 01/02/2022 | 14:00:00 - 14:15:00 | 8 | Offline | 9 | Offline | Offline | 8.6 | 48.0 | -5.0 | 91.8 | 995.3 |
| 01/02/2022 | 14:15:00 - 14:30:00 | 8 | Offline | 9 | Offline | Offline | 7.9 | 36.0 | -4.8 | 92.0 | 995.4 |
| 01/02/2022 | 14:30:00 - 14:45:00 | 8 | Offline | 9 | Offline | Offline | 12.0 | 36.3 | -4.7 | 92.0 | 995.3 |
| 01/02/2022 | 14:45:00 - 15:00:00 | 8 | Offline | 9 | Offline | Offline | 10.4 | 35.1 | -4.6 | 93.0 | 995.2 |
| 01/02/2022 | 15:00:00 - 15:15:00 | 8 | Offline | 9 | Offline | Offline | 11.9 | 29.1 | -4.5 | 92.9 | 995.2 |
| 01/02/2022 | 15:15:00 - 15:30:00 | 8 | Offline | 9 | Offline | Offline | 16.3 | 32.3 | -4.6 | 92.1 | 995.3 |
| 01/02/2022 | 15:30:00 - 15:45:00 | 8 | Offline | 9 | Offline | Offline | 11.2 | 30.5 | -4.5 | 92.8 | 995.4 |
| 01/02/2022 | 15:45:00 - 16:00:00 | 8 | Offline | 9 | Offline | Offline | 15.7 | 30.2 | -4.7 | 92.3 | 995.5 |
| 01/02/2022 | 16:00:00 - 16:15:00 | 8 | Offline | 9 | Offline | Offline | 14.3 | 32.7 | -5.0 | 92.2 | 995.9 |
| 01/02/2022 | 16:15:00 - 16:30:00 | 8 | Offline | 9 | Offline | Offline | 12.0 | 31.3 | -5.2 | 92.1 | 996.1 |
| 01/02/2022 | 16:30:00 - 16:45:00 | 8 | Offline | 9 | Offline | Offline | 10.4 | 29.3 | -5.3 | 92.5 | 996.3 |
| 01/02/2022 | 16:45:00 - 17:00:00 | 8 | Offline | 9 | Offline | Offline | 10.9 | 30.4 | -5.4 | 92.6 | 996.6 |
| 01/02/2022 | 17:00:00 - 17:15:00 | 8 | Offline | 9 | Offline | Offline | 9.9 | 31.4 | -5.4 | 92.6 | 996.8 |
| 01/02/2022 | 17:15:00 - 17:30:00 | 8 | Offline | 9 | Offline | Offline | 10.2 | 33.7 | -5.4 | 92.9 | 996.9 |
| 01/02/2022 | 17:30:00 - 17:45:00 | 8 | Offline | 9 | Offline | Offline | 7.0 | 29.3 | -5.2 | 92.9 | 997.1 |
| 01/02/2022 | 17:45:00 - 18:00:00 | 8 | Offline | 9 | Offline | Offline | 7.3 | 31.5 | -5.2 | 93.0 | 997.2 |
| 01/02/2022 | 18:00:00 - 18:15:00 | 8 | Offline | 9 | Offline | Offline | 6.9 | 33.1 | -5.2 | 93.0 | 997.4 |
| 01/02/2022 | 18:15:00 - 18:30:00 | 8 | Offline | 9 | Offline | Offline | 8.5 | 23.7 | -5.2 | 92.8 | 997.6 |
| 01/02/2022 | 18:30:00 - 18:45:00 | 8 | Offline | 9 | Offline | Offline | 7.3 | 20.4 | -5.3 | 91.6 | 997.7 |
| 01/02/2022 | 18:45:00 - 19:00:00 | 8 | Offline | 9 | Offline | Offline | 8.4 | 30.0 | -5.3 | 91.4 | 997.8 |
| 01/02/2022 | 19:00:00 - 19:15:00 | 8 | Offline | 9 | Offline | Offline | 10.4 | 33.5 | -5.5 | 91.4 | 997.9 |
| 01/02/2022 | 19:15:00 - 19:30:00 | 8 | Offline | 9 | Offline | Offline | 11.4 | 31.8 | -5.9 | 91.4 | 998.0 |
| 01/02/2022 | 19:30:00 - 19:45:00 | 8 | Offline | 9 | Offline | Offline | 12.2 | 30.5 | -6.3 | 91.2 | 998.1 |
| 01/02/2022 | 19:45:00 - 20:00:00 | 8 | Offline | 9 | Offline | Offline | 9.3 | 41.9 | -6.5 | 91.4 | 998.2 |
| 01/02/2022 | 20:00:00 - 20:15:00 | 8 | Offline | 9 | Offline | Offline | 7.6 | 40.2 | -6.6 | 91.8 | 998.2 |
| 01/02/2022 | 20:15:00 - 20:30:00 | 8 | Offline | 9 | Offline | Offline | 9.2 | 33.7 | -6.8 | 91.8 | 998.2 |
| 01/02/2022 | 20:30:00 - 20:45:00 | 8 | Offline | 9 | Offline | Offline | 9.9 | 32.7 | -6.8 | 92.2 | 998.3 |
| 01/02/2022 | 20:45:00 - 21:00:00 | 8 | Offline | 9 | Offline | Offline | 9.9 | 32.8 | -6.9 | 92.0 | 998.5 |
| 01/02/2022 | 21:00:00 - 21:15:00 | 8 | Offline | 9 | Offline | Offline | 9.8 | 25.9 | -6.9 | 91.9 | 998.6 |
| 01/02/2022 | 21:15:00 - 21:30:00 | 8 | Offline | 9 | Offline | Offline | 8.3 | 32.5 | -6.9 | 91.9 | 998.8 |
| 01/02/2022 | 21:30:00 - 21:45:00 | 8 | Offline | 9 | Offline | Offline | 9.5 | 35.8 | -6.9 | 91.2 | 998.9 |
| 01/02/2022 | 21:45:00 - 22:00:00 | 8 | Offline | 9 | Offline | Offline | 12.0 | 30.7 | -6.9 | 91.0 | 999.1 |
| 01/02/2022 | 22:00:00 - 22:15:00 | 8 | Offline | 9 | Offline | Offline | 9.3 | 36.3 | -6.9 | 90.9 | 999.2 |
| 01/02/2022 | 22:15:00 - 22:30:00 | 8 | Offline | 9 | Offline | Offline | 7.8 | 49.3 | -6.9 | 91.0 | 999.3 |
| 01/02/2022 | 22:30:00 - 22:45:00 | 8 | Offline | 9 | Offline | Offline | 8.7 | 44.3 | -7.0 | 90.3 | 999.5 |
| 01/02/2022 | 22:45:00 - 23:00:00 | 8 | Offline | 9 | Offline | Offline | 8.6 | 30.6 | -7.2 | 90.2 | 999.5 |
| 01/02/2022 | 23:00:00 - 23:15:00 | 8 | Offline | 9 | Offline | Offline | 8.1 | 38.5 | -7.3 | 90.2 | 999.4 |
| 01/02/2022 | 23:15:00 - 23:30:00 | 8 | Offline | 9 | Offline | Offline | 8.7 | 28.6 | -7.5 | 90.1 | 999.4 |
| 01/02/2022 | 23:30:00 - 23:45:00 | 8 | Offline | 9 | Offline | Offline | 8.0 | 36.1 | -7.6 | 90.4 | 999.2 |
| 01/03/2022 | 23:45:00 - 00:00:00 | 8 | Offline | 9 | Offline | Offline | 8.6 | 43.3 | -7.9 | 90.1 | 999.0 |
| 01/03/2022 | 00:00:00 - 00:15:00 | 8 | Offline | 9 | Offline | Offline | 8.2 | 46.4 | -8.0 | 90.2 | 999.0 |
| 01/03/2022 | 00:15:00 - 00:30:00 | 8 | Offline | 9 | Offline | Offline | 7.4 | 64.1 | -8.0 | 90.1 | 998.8 |
| 01/03/2022 | 00:30:00 - 00:45:00 | 8 | Offline | 9 | Offline | Offline | 6.6 | 39.2 | -8.0 | 90.1 | 998.8 |
| 01/03/2022 | 00:45:00 - 01:00:00 | 8 | Offline | 9 | Offline | Offline | 7.1 | 47.7 | -8.0 | 90.2 | 998.8 |
| 01/03/2022 | 01:00:00 - 01:15:00 | 8 | Offline | 9 | Offline | Offline | 9.4 | 48.2 | -8.1 | 90.3 | 999.0 |
| 01/03/2022 | 01:15:00 - 01:30:00 | 8 | Offline | 9 | Offline | Offline | 9.5 | 61.9 | -8.3 | 90.0 | 999.0 |
| 01/03/2022 | 01:30:00 - 01:45:00 | 8 | Offline | 9 | Offline | Offline | 10.2 | 51.7 | -8.4 | 90.2 | 999.3 |
| 01/03/2022 | 01:45:00 - 02:00:00 | 8 | Offline | 9 | Offline | Offline | 8.9 | 44.1 | -8.6 | 89.6 | 999.5 |
| 01/03/2022 | 02:00:00 - 02:15:00 | 8 | Offline | 9 | Offline | Offline | 10.2 | 43.8 | -8.8 | 89.4 | 999.7 |
| 01/03/2022 | 02:15:00 - 02:30:00 | 8 | Offline | 9 | Offline | Offline | 8.5 | 47.9 | -8.8 | 89.6 | 999.9 |
| 01/03/2022 | 02:30:00 - 02:45:00 | 8 | Offline | 9 | Offline | Offline | 7.8 | 67.1 | -8.9 | 89.8 | 999.9 |
| 01/03/2022 | 02:45:00 - 03:00:00 | 8 | Offline | 9 | Offline | Offline | 8.8 | 51.0 | -9.0 | 89.0 | 1000.0 |
| 01/03/2022 | 03:00:00 - 03:15:00 | 8 | Offline | 9 | Offline | Offline | 9.1 | 54.3 | -9.1 | 88.6 | 1000.6 |
| 01/03/2022 | 03:15:00 - 03:30:00 | 8 | Offline | 9 | Offline | Offline | 8.2 | 43.6 | -9.4 | 88.4 | 1000.9 |
| 01/03/2022 | 03:30:00 - 03:45:00 | 8 | Offline | 9 | Offline | Offline | 8.7 | 47.9 | -9.7 | 87.4 | 1000.9 |
| 01/03/2022 | 03:45:00 - 04:00:00 | 8 | Offline | 9 | Offline | Offline | 8.7 | 60.0 | -10.2 | 86.1 | 1000.9 |
| 01/03/2022 | 04:00:00 - 04:15:00 | 8 | Offline | 9 | Offline | Offline | 8.2 | 69.5 | -10.6 | 85.8 | 1001.0 |
| 01/03/2022 | 04:15:00 - 04:30:00 | 8 | Offline | 9 | Offline | Offline | 7.7 | 71.9 | -10.9 | 85.1 | 1001.2 |
| 01/03/2022 | 04:30:00 - 04:45:00 | 8 | Offline | 9 | Offline | Offline | 8.2 | 45.6 | -11.2 | 85.9 | 1001.2 |
| 01/03/2022 | 04:45:00 - 05:00:00 | 8 | Offline | 9 | Offline | Offline | 7.2 | 66.1 | -11.3 | 86.2 | 1001.3 |
| 01/03/2022 | 05:00:00 - 05:15:00 | 8 | Offline | 9 | Offline | Offline | 7.3 | 69.8 | -11.5 | 86.7 | 1001.3 |
| 01/03/2022 | 05:15:00 - 05:30:00 | 8 | Offline | 9 | Offline | Offline | 8.1 | 78.4 | -11.7 | 86.7 | 1001.3 |
| 01/03/2022 | 05:30:00 - 05:45:00 | 8 | Offline | 9 | Offline | Offline | 6.4 | 79.0 | -11.7 | 87.1 | 1001.6 |
| 01/03/2022 | 05:45:00 - 06:00:00 | 8 | Offline | 9 | Offline | Offline | 5.4 | 91.3 | -11.7 | 88.0 | 1001.5 |
| 01/03/2022 | 06:00:00 - 06:15:00 | 8 | Offline | 9 | Offline | Offline | 6.8 | 89.1 | -11.9 | 87.3 | 1001.6 |
| 01/03/2022 | 06:15:00 - 06:30:00 | 8 | Offline | 9 | Offline | Offline | 7.2 | 97.3 | -12.0 | 87.1 | 1001.8 |
| 01/03/2022 | 06:30:00 - 06:45:00 | 8 | Offline | 9 | Offline | Offline | 7.6 | 77.5 | -12.2 | 87.4 | 1001.8 |
| 01/03/2022 | 06:45:00 - 07:00:00 | 8 | Offline | 9 | Offline | Offline | 5.4 | 95.2 | -12.2 | 87.9 | 1001.9 |
| 01/03/2022 | 07:00:00 - 07:15:00 | 8 | Offline | 9 | Offline | Offline | 7.7 | 76.4 | -12.2 | 87.4 | 1002.1 |
| 01/03/2022 | 07:15:00 - 07:30:00 | 8 | Offline | 9 | Offline | Offline | 4.3 | 92.7 | -12.2 | 88.5 | 1002.2 |
| 01/03/2022 | 07:30:00 - 07:45:00 | 9 | Offline | 9 | Offline | Offline | 4.7 | 106.0 | -12.2 | 90.3 | 1002.2 |
| 01/03/2022 | 07:45:00 - 08:00:00 | 9 | Offline | 9 | Offline | Offline | 4.9 | 107.4 | -12.3 | 90.8 | 1002.1 |
| 01/03/2022 | 08:00:00 - 08:15:00 | 9 | 18 | 9 | Offline | Offline | 4.4 | 126.7 | -12.2 | 90.8 | 1002.1 |
| 01/03/2022 | 08:15:00 - 08:30:00 | 9 | 19 | 9 | 135 | Offline | 4.9 | 116.3 | -11.9 | 89.2 | 1002.1 |
| 01/03/2022 | 08:30:00 - 08:45:00 | 9 | 19 | 9 | 132 | 28 | 5.3 | 111.0 | -11.5 | 87.9 | 1002.2 |
| 01/03/2022 | 08:45:00 - 09:00:00 | 9 | 18 | 9 | 109 | 24 | 5.6 | 125.5 | -11.1 | 86.9 | 1002.3 |
| 01/03/2022 | 09:00:00 - 09:15:00 | 9 | 17 | 9 | 93 | 21 | 6.6 | 135.3 | -10.7 | 84.9 | 1002.5 |
| 01/03/2022 | 09:15:00 - 09:30:00 | 9 | 16 | 9 | 83 | 19 | 6.3 | 128.9 | -10.1 | 83.0 | 1002.7 |
| 01/03/2022 | 09:30:00 - 09:45:00 | 9 | 15 | 9 | 76 | 17 | 5.1 | 140.0 | -9.2 | 79.8 | 1002.5 |
| 01/03/2022 | 09:45:00 - 10:00:00 | 9 | 15 | 9 | 71 | 16 | 7.1 | 140.3 | -8.6 | 76.8 | 1002.6 |
| 01/03/2022 | 10:00:00 - 10:15:00 | 9 | 14 | 9 | 67 | 16 | 7.8 | 154.8 | -8.4 | 76.7 | 1002.7 |
| 01/03/2022 | 10:15:00 - 10:30:00 | 9 | 14 | 9 | 63 | 15 | 7.0 | 145.4 | -8.0 | 76.4 | 1002.8 |
| 01/03/2022 | 10:30:00 - 10:45:00 | 9 | 13 | 9 | 60 | 14 | 6.8 | 136.1 | -7.6 | 76.7 | 1002.9 |
| 01/03/2022 | 10:45:00 - 11:00:00 | 9 | 13 | 9 | 57 | 14 | 6.9 | 137.5 | -7.5 | 76.9 | 1002.8 |
| 01/03/2022 | 11:00:00 - 11:15:00 | 9 | 12 | 9 | 54 | 13 | 6.6 | 146.6 | -7.0 | 76.2 | 1002.6 |
| 01/03/2022 | 11:15:00 - 11:30:00 | 9 | 12 | 9 | 52 | 12 | 7.4 | 129.6 | -7.0 | 76.6 | 1002.3 |
| 01/03/2022 | 11:30:00 - 11:45:00 | 9 | 9 | 9 | 49 | 12 | 7.8 | 147.6 | -6.6 | 75.9 | 1002.0 |
| 01/03/2022 | 11:45:00 - 12:00:00 | 9 | 5 | 9 | 47 | 11 | 8.3 | 150.5 | -6.3 | 74.8 | 1001.8 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 01/03/2022 | 12:00:00 - 12:15:00 | 9 | 5 | 9 | 45 | 11 | 8.0 | 127.8 | -6.0 | 73.5 | 1001.8 |
| 01/03/2022 | 12:15:00 - 12:30:00 | 9 | 5 | 9 | 43 | 10 | 7.6 | 131.6 | -5.5 | 72.5 | 1001.8 |
| 01/03/2022 | 12:30:00 - 12:45:00 | 9 | 5 | 9 | 42 | 10 | 8.1 | 109.2 | -5.0 | 69.4 | 1001.8 |
| 01/03/2022 | 12:45:00 - 13:00:00 | 9 | 5 | 9 | 41 | 10 | 8.2 | 134.4 | -4.3 | 67.0 | 1001.6 |
| 01/03/2022 | 13:00:00 - 13:15:00 | 9 | 5 | 9 | 40 | 10 | 8.0 | 123.3 | -4.0 | 64.6 | 1001.5 |
| 01/03/2022 | 13:15:00 - 13:30:00 | 9 | 5 | 9 | 38 | 9 | 7.9 | 141.8 | -3.8 | 65.4 | 1001.4 |
| 01/03/2022 | 13:30:00 - 13:45:00 | 9 | 5 | 9 | 38 | 9 | 8.6 | 140.6 | -3.1 | 62.5 | 1001.4 |
| 01/03/2022 | 13:45:00 - 14:00:00 | 3 | 5 | 6 | 36 | 9 | 10.0 | 133.5 | -3.3 | 61.0 | 1001.4 |
| 01/03/2022 | 14:00:00 - 14:15:00 | 2 | 5 | 3 | 35 | 8 | 10.1 | 139.3 | -3.0 | 59.7 | 1001.4 |
| 01/03/2022 | 14:15:00 - 14:30:00 | 2 | 4 | 3 | 21 | 2 | 11.0 | 145.9 | -2.9 | 52.7 | 1001.3 |
| 01/03/2022 | 14:30:00 - 14:45:00 | 1 | 3 | 3 | 9 | 2 | 9.4 | 142.0 | -2.6 | 52.3 | 1001.2 |
| 01/03/2022 | 14:45:00 - 15:00:00 | 1 | 3 | 3 | 9 | 2 | 10.7 | 149.2 | -2.4 | 52.1 | 1001.1 |
| 01/03/2022 | 15:00:00 - 15:15:00 | 1 | 3 | 2 | 9 | 2 | 10.4 | 144.5 | -2.2 | 53.3 | 1000.9 |
| 01/03/2022 | 15:15:00 - 15:30:00 | 1 | 3 | 2 | 9 | 2 | 10.1 | 138.7 | -2.2 | 53.2 | 1000.8 |
| 01/03/2022 | 15:30:00 - 15:45:00 | 1 | 3 | 2 | 9 | 2 | 9.0 | 148.2 | -2.1 | 54.8 | 1000.8 |
| 01/03/2022 | 15:45:00 - 16:00:00 | 1 | 3 | 2 | 9 | 2 | 9.5 | 145.3 | -2.4 | 56.1 | 1000.8 |
| 01/03/2022 | 16:00:00 - 16:15:00 | 1 | 3 | 2 | 9 | 2 | 9.8 | 150.4 | -2.8 | 57.7 | 1000.9 |
| 01/03/2022 | 16:15:00 - 16:30:00 | 1 | 3 | 2 | 10 | 2 | 8.6 | 141.5 | -2.9 | 58.6 | 1001.0 |
| 01/03/2022 | 16:30:00 - 16:45:00 | 1 | 3 | 3 | 10 | 2 | 9.4 | 133.9 | -3.1 | 60.1 | 1001.0 |
| 01/03/2022 | 16:45:00 - 17:00:00 | 1 | 3 | 3 | 10 | 2 | 9.0 | 146.5 | -3.2 | 65.1 | 1001.0 |
| 01/03/2022 | 17:00:00 - 17:15:00 | 2 | 3 | 3 | 11 | 2 | 7.6 | 142.7 | -3.4 | 67.6 | 1001.0 |
| 01/03/2022 | 17:15:00 - 17:30:00 | 2 | 3 | 3 | 11 | 2 | 6.8 | 155.3 | -3.5 | 67.5 | 1000.8 |
| 01/03/2022 | 17:30:00 - 17:45:00 | 2 | 3 | 3 | 11 | 3 | 7.2 | 152.6 | -3.6 | 69.6 | 1000.9 |
| 01/03/2022 | 17:45:00 - 18:00:00 | 2 | 3 | 3 | 12 | 3 | 8.1 | 155.0 | -3.6 | 71.6 | 1000.9 |
| 01/03/2022 | 18:00:00 - 18:15:00 | 2 | 4 | 3 | 12 | 3 | 9.0 | 151.9 | -3.6 | 72.5 | 1000.9 |
| 01/03/2022 | 18:15:00 - 18:30:00 | 2 | 4 | 3 | 12 | 3 | 5.9 | 145.2 | -3.7 | 73.4 | 1001.0 |
| 01/03/2022 | 18:30:00 - 18:45:00 | 2 | 4 | 3 | 13 | 3 | 7.2 | 148.7 | -3.8 | 74.7 | 1001.0 |
| 01/03/2022 | 18:45:00 - 19:00:00 | 2 | 4 | 3 | 13 | 3 | 6.0 | 157.0 | -3.9 | 75.9 | 1000.9 |
| 01/03/2022 | 19:00:00 - 19:15:00 | 2 | 4 | 3 | 13 | 3 | 9.2 | 150.6 | -3.8 | 75.4 | 1000.7 |
| 01/03/2022 | 19:15:00 - 19:30:00 | 2 | 4 | 3 | 13 | 3 | 10.2 | 153.5 | -3.7 | 73.9 | 1000.6 |
| 01/03/2022 | 19:30:00 - 19:45:00 | 2 | 4 | 3 | 14 | 3 | 8.6 | 153.2 | -3.8 | 74.1 | 1000.6 |
| 01/03/2022 | 19:45:00 - 20:00:00 | 2 | 4 | 3 | 14 | 3 | 8.1 | 151.7 | -3.8 | 77.0 | 1000.5 |
| 01/03/2022 | 20:00:00 - 20:15:00 | 3 | 4 | 4 | 14 | 3 | 10.8 | 151.5 | -3.8 | 79.5 | 1000.5 |
| 01/03/2022 | 20:15:00 - 20:30:00 | 3 | 4 | 4 | 14 | 3 | 10.7 | 154.0 | -3.7 | 80.0 | 1000.4 |
| 01/03/2022 | 20:30:00 - 20:45:00 | 3 | 4 | 4 | 14 | 3 | 9.7 | 151.5 | -3.8 | 81.2 | 1000.4 |
| 01/03/2022 | 20:45:00 - 21:00:00 | 3 | 4 | 4 | 14 | 3 | 9.0 | 160.7 | -3.8 | 82.0 | 1000.2 |
| 01/03/2022 | 21:00:00 - 21:15:00 | 3 | 4 | 4 | 14 | 3 | 8.9 | 151.1 | -3.8 | 81.1 | 1000.0 |
| 01/03/2022 | 21:15:00 - 21:30:00 | 3 | 4 | 4 | 15 | 3 | 10.8 | 157.7 | -3.7 | 80.0 | 999.9 |
| 01/03/2022 | 21:30:00 - 21:45:00 | 3 | 4 | 4 | 15 | 4 | 10.1 | 155.0 | -3.8 | 80.4 | 999.8 |
| 01/03/2022 | 21:45:00 - 22:00:00 | 3 | 4 | 4 | 15 | 4 | 10.7 | 153.8 | -3.8 | 81.0 | 999.8 |
| 01/03/2022 | 22:00:00 - 22:15:00 | 3 | 4 | 4 | 15 | 4 | 9.9 | 155.1 | -3.8 | 82.0 | 999.6 |
| 01/03/2022 | 22:15:00 - 22:30:00 | 3 | 4 | 4 | 15 | 4 | 8.6 | 157.1 | -3.9 | 82.4 | 999.5 |
| 01/03/2022 | 22:30:00 - 22:45:00 | 3 | 4 | 4 | 15 | 4 | 10.2 | 153.6 | -3.9 | 83.0 | 999.4 |
| 01/03/2022 | 22:45:00 - 23:00:00 | 3 | 4 | 4 | 16 | 4 | 11.8 | 153.4 | -3.9 | 83.0 | 999.3 |
| 01/03/2022 | 23:00:00 - 23:15:00 | 3 | 4 | 4 | 16 | 4 | 11.4 | 153.9 | -3.9 | 83.0 | 999.3 |
| 01/03/2022 | 23:15:00 - 23:30:00 | 3 | 4 | 4 | 16 | 4 | 11.3 | 154.1 | -4.0 | 83.9 | 999.2 |
| 01/03/2022 | 23:30:00 - 23:45:00 | 3 | 4 | 4 | 16 | 4 | 10.4 | 158.9 | -4.1 | 84.4 | 999.1 |
| 01/04/2022 | 23:45:00 - 00:00:00 | 3 | 4 | 4 | 17 | 4 | 7.4 | 160.9 | -4.2 | 85.5 | 998.9 |
| 01/04/2022 | 00:00:00 - 00:15:00 | 3 | 4 | 4 | 17 | 4 | 6.7 | 164.5 | -4.5 | 86.9 | 998.8 |
| 01/04/2022 | 00:15:00 - 00:30:00 | 3 | 5 | 4 | 18 | 4 | 5.9 | 162.7 | -4.7 | 88.5 | 998.7 |
| 01/04/2022 | 00:30:00 - 00:45:00 | 3 | 5 | 4 | 18 | 4 | 5.0 | 159.9 | -4.8 | 89.2 | 998.5 |
| 01/04/2022 | 00:45:00 - 01:00:00 | 4 | 5 | 4 | 18 | 4 | 4.7 | 161.3 | -5.0 | 90.0 | 998.3 |
| 01/04/2022 | 01:00:00 - 01:15:00 | 4 | 5 | 4 | 19 | 5 | 4.9 | 161.0 | -5.0 | 90.0 | 998.2 |
| 01/04/2022 | 01:15:00 - 01:30:00 | 4 | 5 | 5 | 19 | 5 | 5.5 | 156.8 | -5.0 | 90.6 | 998.1 |
| 01/04/2022 | 01:30:00 - 01:45:00 | 4 | 5 | 5 | 20 | 5 | 4.5 | 157.5 | -5.2 | 91.0 | 998.0 |
| 01/04/2022 | 01:45:00 - 02:00:00 | 4 | 5 | 5 | 20 | 5 | 4.6 | 159.1 | -5.3 | 91.8 | 997.9 |
| 01/04/2022 | 02:00:00 - 02:15:00 | 4 | 5 | 5 | 21 | 5 | 4.7 | 157.2 | -5.4 | 92.1 | 997.8 |
| 01/04/2022 | 02:15:00 - 02:30:00 | 4 | 5 | 5 | 21 | 5 | 5.7 | 164.0 | -5.4 | 92.7 | 997.7 |
| 01/04/2022 | 02:30:00 - 02:45:00 | 4 | 5 | 5 | 21 | 5 | 5.8 | 161.6 | -5.4 | 93.0 | 997.5 |
| 01/04/2022 | 02:45:00 - 03:00:00 | 4 | 5 | 5 | 22 | 5 | 6.5 | 158.8 | -5.3 | 93.0 | 997.5 |
| 01/04/2022 | 03:00:00 - 03:15:00 | 4 | 5 | 5 | 22 | 5 | 5.4 | 156.0 | -5.3 | 93.0 | 997.3 |
| 01/04/2022 | 03:15:00 - 03:30:00 | 5 | 5 | 5 | 23 | 5 | 6.7 | 157.4 | -5.3 | 93.0 | 997.2 |
| 01/04/2022 | 03:30:00 - 03:45:00 | 5 | 6 | 5 | 23 | 6 | 6.9 | 158.5 | -5.4 | 93.3 | 997.0 |
| 01/04/2022 | 03:45:00 - 04:00:00 | 5 | 6 | 5 | 24 | 6 | 6.6 | 158.0 | -5.3 | 94.0 | 996.8 |
| 01/04/2022 | 04:00:00 - 04:15:00 | 5 | 6 | 6 | 24 | 6 | 6.6 | 159.2 | -5.3 | 94.0 | 996.7 |
| 01/04/2022 | 04:15:00 - 04:30:00 | 5 | 6 | 6 | 24 | 6 | 7.2 | 158.4 | -5.3 | 94.0 | 996.6 |
| 01/04/2022 | 04:30:00 - 04:45:00 | 5 | 6 | 6 | 25 | 6 | 6.8 | 157.1 | -5.4 | 94.2 | 996.4 |
| 01/04/2022 | 04:45:00 - 05:00:00 | 5 | 6 | 6 | 25 | 6 | 7.4 | 156.7 | -5.3 | 95.0 | 996.1 |
| 01/04/2022 | 05:00:00 - 05:15:00 | 5 | 6 | 6 | 26 | 6 | 7.3 | 153.4 | -5.3 | 95.0 | 995.9 |
| 01/04/2022 | 05:15:00 - 05:30:00 | 5 | 6 | 6 | 26 | 6 | 7.2 | 159.7 | -5.3 | 95.0 | 995.9 |
| 01/04/2022 | 05:30:00 - 05:45:00 | 5 | 6 | 6 | 26 | 6 | 7.5 | 153.7 | -5.3 | 95.0 | 995.9 |
| 01/04/2022 | 05:45:00 - 06:00:00 | 5 | 6 | 6 | 27 | 6 | 6.0 | 159.4 | -5.4 | 95.0 | 996.1 |
| 01/04/2022 | 06:00:00 - 06:15:00 | 6 | 6 | 6 | 27 | 6 | 6.5 | 157.7 | -5.4 | 95.1 | 995.9 |
| 01/04/2022 | 06:15:00 - 06:30:00 | 6 | 6 | 6 | 27 | 7 | 7.4 | 153.6 | -5.4 | 95.5 | 995.9 |
| 01/04/2022 | 06:30:00 - 06:45:00 | 6 | 6 | 6 | 28 | 7 | 7.8 | 157.0 | -5.4 | 96.0 | 995.8 |
| 01/04/2022 | 06:45:00 - 07:00:00 | 6 | 7 | 6 | 28 | 7 | 7.1 | 157.6 | -5.4 | 96.0 | 995.9 |
| 01/04/2022 | 07:00:00 - 07:15:00 | 6 | 7 | 6 | 29 | 7 | 5.4 | 152.8 | -5.6 | 96.0 | 995.8 |
| 01/04/2022 | 07:15:00 - 07:30:00 | 6 | 7 | 6 | 29 | 7 | 5.1 | 153.2 | -5.5 | 96.0 | 995.7 |
| 01/04/2022 | 07:30:00 - 07:45:00 | 6 | 7 | 7 | 30 | 7 | 6.5 | 159.5 | -5.4 | 96.3 | 995.4 |
| 01/04/2022 | 07:45:00 - 08:00:00 | 6 | 7 | 7 | 30 | 7 | 7.6 | 157.0 | -5.3 | 96.0 | 995.1 |
| 01/04/2022 | 08:00:00 - 08:15:00 | 6 | 7 | 7 | 31 | 7 | 7.2 | 156.2 | -5.0 | 96.0 | 994.8 |
| 01/04/2022 | 08:15:00 - 08:30:00 | 6 | 7 | 7 | 31 | 7 | 8.0 | 157.1 | -4.8 | 95.9 | 994.8 |
| 01/04/2022 | 08:30:00 - 08:45:00 | 6 | 7 | 7 | 32 | 7 | 8.1 | 160.7 | -4.5 | 95.0 | 994.7 |
| 01/04/2022 | 08:45:00 - 09:00:00 | 7 | 7 | 7 | 32 | 7 | 8.7 | 163.1 | -4.4 | 95.0 | 994.5 |
| 01/04/2022 | 09:00:00 - 09:15:00 | 7 | 7 | 7 | 32 | 8 | 8.9 | 152.8 | -4.1 | 94.8 | 994.2 |
| 01/04/2022 | 09:15:00 - 09:30:00 | 7 | 7 | 7 | 32 | 8 | 8.8 | 155.5 | -3.5 | 93.5 | 993.8 |
| 01/04/2022 | 09:30:00 - 09:45:00 | 7 | 7 | 7 | 33 | 8 | 10.8 | 157.3 | -3.1 | 91.8 | 993.9 |
| 01/04/2022 | 09:45:00 - 10:00:00 | 7 | 7 | 7 | 33 | 8 | 9.1 | 153.0 | -2.4 | 90.1 | 993.7 |
| 01/04/2022 | 10:00:00 - 10:15:00 | 7 | 9 | 7 | 33 | 8 | 10.7 | 157.1 | -2.0 | 88.1 | 993.5 |
| 01/04/2022 | 10:15:00 - 10:30:00 | 7 | 11 | 9 | 33 | 8 | 9.8 | 150.5 | -1.4 | 86.7 | 993.6 |
| 01/04/2022 | 10:30:00 - 10:45:00 | 7 | 9 | 9 | 33 | 9 | 10.1 | 151.2 | -1.1 | 84.7 | 993.2 |
| 01/04/2022 | 10:45:00 - 11:00:00 | 7 | 9 | 9 | 33 | 9 | 8.7 | 149.5 | -0.6 | 83.5 | 992.6 |
| 01/04/2022 | 11:00:00 - 11:15:00 | 7 | 8 | 9 | 33 | 9 | 9.5 | 147.5 | -0.3 | 81.6 | 992.4 |
| 01/04/2022 | 11:15:00 - 11:30:00 | 7 | 8 | 9 | 33 | 8 | 10.3 | 148.8 | -0.2 | 80.7 | 992.0 |
| 01/04/2022 | 11:30:00 - 11:45:00 | 7 | 8 | 9 | 33 | 8 | 9.4 | 140.5 | 0.0 | 79.9 | 991.4 |
| 01/04/2022 | 11:45:00 - 12:00:00 | 7 | 8 | 9 | 33 | 8 | 12.3 | 152.3 | 0.0 | 78.9 | 990.7 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 01/04/2022 | 12:00:00 - 12:15:00 | 7 | 8 | 9 | 33 | 8 | 10.7 | 147.5 | 0.3 | 78.6 | 990.3 |
| 01/04/2022 | 12:15:00 - 12:30:00 | 7 | 8 | 9 | 33 | 8 | 9.4 | 143.6 | 0.7 | 77.8 | 989.7 |
| 01/04/2022 | 12:30:00 - 12:45:00 | 7 | 8 | 9 | 33 | 9 | 8.8 | 147.1 | 0.8 | 77.1 | 989.6 |
| 01/04/2022 | 12:45:00 - 13:00:00 | 7 | 8 | 9 | 33 | 9 | 11.8 | 146.0 | 0.9 | 76.5 | 988.9 |
| 01/04/2022 | 13:00:00 - 13:15:00 | 7 | 8 | 9 | 34 | 9 | 10.4 | 145.1 | 0.9 | 75.2 | 988.3 |
| 01/04/2022 | 13:15:00 - 13:30:00 | 7 | 8 | 9 | 34 | 9 | 11.4 | 147.9 | 0.6 | 76.3 | 987.7 |
| 01/04/2022 | 13:30:00 - 13:45:00 | 7 | 8 | 9 | 34 | 9 | 9.5 | 143.0 | 0.5 | 76.9 | 987.1 |
| 01/04/2022 | 13:45:00 - 14:00:00 | 7 | 8 | 9 | 34 | 9 | 10.1 | 140.6 | 0.6 | 76.6 | 986.7 |
| 01/04/2022 | 14:00:00 - 14:15:00 | 7 | 8 | 9 | 34 | 9 | 11.8 | 141.2 | 0.6 | 77.9 | 986.3 |
| 01/04/2022 | 14:15:00 - 14:30:00 | 7 | 8 | 9 | 34 | 8 | 11.3 | 138.0 | 0.6 | 76.8 | 985.9 |
| 01/04/2022 | 14:30:00 - 14:45:00 | 7 | 8 | 9 | 34 | 8 | 10.7 | 150.3 | 0.6 | 77.1 | 985.5 |
| 01/04/2022 | 14:45:00 - 15:00:00 | 7 | 8 | 9 | 34 | 8 | 10.1 | 137.2 | 0.6 | 77.1 | 985.2 |
| 01/04/2022 | 15:00:00 - 15:15:00 | 7 | 8 | 9 | 34 | 8 | 9.5 | 141.2 | 0.3 | 77.7 | 985.1 |
| 01/04/2022 | 15:15:00 - 15:30:00 | 7 | 8 | 9 | 33 | 8 | 10.4 | 147.3 | 0.3 | 77.6 | 984.9 |
| 01/04/2022 | 15:30:00 - 15:45:00 | 7 | 8 | 8 | 33 | 8 | 8.5 | 148.2 | 0.3 | 77.4 | 984.6 |
| 01/04/2022 | 15:45:00 - 16:00:00 | 7 | 7 | 8 | 33 | 8 | 9.5 | 149.4 | 0.0 | 78.2 | 984.0 |
| 01/04/2022 | 16:00:00 - 16:15:00 | 7 | 7 | 8 | 33 | 8 | 10.6 | 145.9 | -0.2 | 79.6 | 983.5 |
| 01/04/2022 | 16:15:00 - 16:30:00 | 7 | 7 | 8 | 33 | 8 | 11.2 | 149.3 | -0.2 | 80.0 | 983.2 |
| 01/04/2022 | 16:30:00 - 16:45:00 | 7 | 7 | 8 | 33 | 8 | 10.5 | 147.4 | -0.2 | 80.8 | 982.7 |
| 01/04/2022 | 16:45:00 - 17:00:00 | 7 | 7 | 8 | 33 | 8 | 8.8 | 144.1 | -0.3 | 81.6 | 982.2 |
| 01/04/2022 | 17:00:00 - 17:15:00 | 7 | 7 | 8 | 33 | 8 | 11.4 | 149.9 | -0.3 | 82.0 | 981.5 |
| 01/04/2022 | 17:15:00 - 17:30:00 | 7 | 7 | 8 | 33 | 8 | 11.2 | 142.1 | -0.2 | 83.0 | 981.2 |
| 01/04/2022 | 17:30:00 - 17:45:00 | 7 | 7 | 8 | 33 | 8 | 10.0 | 147.3 | -0.1 | 82.7 | 981.2 |
| 01/04/2022 | 17:45:00 - 18:00:00 | 7 | 7 | 8 | 33 | 8 | 10.5 | 142.3 | 0.1 | 82.0 | 980.5 |
| 01/04/2022 | 18:00:00 - 18:15:00 | 7 | 7 | 8 | 33 | 8 | 11.5 | 145.5 | 0.3 | 82.0 | 980.3 |
| 01/04/2022 | 18:15:00 - 18:30:00 | 7 | 7 | 8 | 33 | 8 | 10.1 | 145.8 | 0.5 | 81.1 | 980.3 |
| 01/04/2022 | 18:30:00 - 18:45:00 | 7 | 7 | 8 | 33 | 8 | 10.9 | 146.6 | 0.7 | 80.7 | 980.1 |
| 01/04/2022 | 18:45:00 - 19:00:00 | 7 | 7 | 8 | 33 | 8 | 11.8 | 149.5 | 0.8 | 82.0 | 979.8 |
| 01/04/2022 | 19:00:00 - 19:15:00 | 7 | 7 | 8 | 33 | 7 | 10.1 | 144.6 | 0.7 | 83.0 | 979.5 |
| 01/04/2022 | 19:15:00 - 19:30:00 | 7 | 7 | 8 | 32 | 7 | 11.4 | 142.5 | 0.8 | 83.0 | 979.5 |
| 01/04/2022 | 19:30:00 - 19:45:00 | 7 | 7 | 8 | 32 | 7 | 11.8 | 139.1 | 1.0 | 81.4 | 979.3 |
| 01/04/2022 | 19:45:00 - 20:00:00 | 6 | 7 | 8 | 32 | 7 | 13.7 | 143.3 | 1.2 | 80.8 | 979.5 |
| 01/04/2022 | 20:00:00 - 20:15:00 | 6 | 7 | 8 | 32 | 7 | 14.3 | 149.3 | 1.3 | 78.6 | 979.7 |
| 01/04/2022 | 20:15:00 - 20:30:00 | 6 | 7 | 7 | 32 | 7 | 17.4 | 146.1 | 1.5 | 76.2 | 979.9 |
| 01/04/2022 | 20:30:00 - 20:45:00 | 6 | 7 | 7 | 32 | 7 | 14.0 | 148.2 | 1.4 | 75.2 | 979.9 |
| 01/04/2022 | 20:45:00 - 21:00:00 | 6 | 7 | 7 | 32 | 7 | 14.7 | 148.1 | 1.3 | 75.1 | 979.7 |
| 01/04/2022 | 21:00:00 - 21:15:00 | 6 | 7 | 7 | 32 | 7 | 15.9 | 149.9 | 1.3 | 74.3 | 979.6 |
| 01/04/2022 | 21:15:00 - 21:30:00 | 6 | 6 | 7 | 32 | 7 | 13.7 | 146.7 | 1.2 | 74.0 | 979.4 |
| 01/04/2022 | 21:30:00 - 21:45:00 | 6 | 6 | 7 | 31 | 7 | 14.4 | 143.9 | 1.1 | 73.1 | 979.1 |
| 01/04/2022 | 21:45:00 - 22:00:00 | 6 | 6 | 7 | 31 | 7 | 15.8 | 145.8 | 1.1 | 72.2 | 978.9 |
| 01/04/2022 | 22:00:00 - 22:15:00 | 6 | 6 | 7 | 31 | 7 | 15.1 | 140.9 | 1.2 | 71.2 | 978.9 |
| 01/04/2022 | 22:15:00 - 22:30:00 | 6 | 6 | 7 | 31 | 6 | 16.3 | 146.9 | 1.3 | 70.7 | 978.7 |
| 01/04/2022 | 22:30:00 - 22:45:00 | 6 | 6 | 7 | 31 | 6 | 16.8 | 145.7 | 1.5 | 70.0 | 978.4 |
| 01/04/2022 | 22:45:00 - 23:00:00 | 6 | 6 | 7 | 31 | 6 | 18.6 | 151.0 | 1.5 | 70.6 | 978.2 |
| 01/04/2022 | 23:00:00 - 23:15:00 | 6 | 6 | 7 | 31 | 6 | 15.6 | 146.2 | 1.5 | 71.1 | 978.0 |
| 01/04/2022 | 23:15:00 - 23:30:00 | 6 | 6 | 7 | 31 | 6 | 17.4 | 150.2 | 1.5 | 72.0 | 977.7 |
| 01/04/2022 | 23:30:00 - 23:45:00 | 6 | 6 | 7 | 30 | 6 | 17.8 | 147.5 | 1.4 | 72.5 | 977.6 |
| 01/05/2022 | 23:45:00 - 00:00:00 | 6 | 6 | 7 | 30 | 6 | 18.8 | 145.3 | 1.3 | 73.7 | 977.4 |
| 01/05/2022 | 00:00:00 - 00:15:00 | 6 | 6 | 7 | 30 | 6 | 17.5 | 148.0 | 0.9 | 78.3 | 977.0 |
| 01/05/2022 | 00:15:00 - 00:30:00 | 6 | 6 | 7 | 30 | 6 | 18.9 | 143.7 | 0.9 | 79.1 | 976.9 |
| 01/05/2022 | 00:30:00 - 00:45:00 | 6 | 6 | 7 | 30 | 6 | 17.4 | 143.4 | 1.0 | 79.1 | 976.9 |
| 01/05/2022 | 00:45:00 - 01:00:00 | 6 | 6 | 7 | 30 | 6 | 16.2 | 132.8 | 0.9 | 80.3 | 977.1 |
| 01/05/2022 | 01:00:00 - 01:15:00 | 6 | 6 | 6 | 30 | 6 | 17.1 | 129.8 | 1.0 | 80.6 | 977.2 |
| 01/05/2022 | 01:15:00 - 01:30:00 | 6 | 6 | 6 | 30 | 6 | 17.6 | 131.5 | 1.1 | 80.0 | 977.3 |
| 01/05/2022 | 01:30:00 - 01:45:00 | 6 | 6 | 6 | 30 | 6 | 16.3 | 136.5 | 1.1 | 80.4 | 977.2 |
| 01/05/2022 | 01:45:00 - 02:00:00 | 6 | 6 | 6 | 30 | 6 | 15.2 | 131.8 | 0.9 | 81.4 | 977.3 |
| 01/05/2022 | 02:00:00 - 02:15:00 | 6 | 6 | 6 | 30 | 6 | 13.5 | 136.9 | 0.8 | 82.0 | 977.4 |
| 01/05/2022 | 02:15:00 - 02:30:00 | 6 | 6 | 6 | 30 | 6 | 13.8 | 128.1 | 0.8 | 82.2 | 977.3 |
| 01/05/2022 | 02:30:00 - 02:45:00 | 6 | 6 | 6 | 30 | 6 | 14.9 | 126.8 | 0.9 | 82.2 | 977.4 |
| 01/05/2022 | 02:45:00 - 03:00:00 | 6 | 6 | 6 | 29 | 6 | 15.2 | 120.8 | 0.9 | 82.0 | 977.5 |
| 01/05/2022 | 03:00:00 - 03:15:00 | 6 | 6 | 6 | 29 | 6 | 13.1 | 124.4 | 0.9 | 81.9 | 977.5 |
| 01/05/2022 | 03:15:00 - 03:30:00 | 6 | 6 | 6 | 29 | 6 | 13.4 | 118.7 | 0.8 | 82.0 | 977.6 |
| 01/05/2022 | 03:30:00 - 03:45:00 | 6 | 6 | 6 | 29 | 6 | 11.8 | 105.5 | 0.8 | 82.0 | 977.5 |
| 01/05/2022 | 03:45:00 - 04:00:00 | 6 | 6 | 6 | 29 | 6 | 18.1 | 91.5 | 0.8 | 81.9 | 977.4 |
| 01/05/2022 | 04:00:00 - 04:15:00 | 6 | 6 | 6 | 29 | 6 | 23.5 | 79.3 | 0.6 | 81.8 | 977.7 |
| 01/05/2022 | 04:15:00 - 04:30:00 | 6 | 6 | 6 | 29 | 6 | 24.9 | 78.1 | -0.6 | 83.7 | 978.0 |
| 01/05/2022 | 04:30:00 - 04:45:00 | 6 | 6 | 6 | 29 | 6 | 20.8 | 79.2 | -1.0 | 85.8 | 978.2 |
| 01/05/2022 | 04:45:00 - 05:00:00 | 6 | 6 | 6 | 29 | 6 | 25.7 | 78.2 | -1.7 | 83.9 | 978.8 |
| 01/05/2022 | 05:00:00 - 05:15:00 | 6 | 6 | 7 | 30 | 6 | 24.6 | 82.8 | -2.2 | 82.5 | 979.4 |
| 01/05/2022 | 05:15:00 - 05:30:00 | 6 | 6 | 7 | 30 | 6 | 23.7 | 79.9 | -2.9 | 81.3 | 980.0 |
| 01/05/2022 | 05:30:00 - 05:45:00 | 6 | 6 | 7 | 30 | 6 | 18.8 | 84.1 | -3.1 | 81.7 | 980.5 |
| 01/05/2022 | 05:45:00 - 06:00:00 | 6 | 6 | 7 | 30 | 6 | 27.0 | 85.3 | -3.5 | 80.6 | 980.9 |
| 01/05/2022 | 06:00:00 - 06:15:00 | 6 | 6 | 7 | 30 | 7 | 21.5 | 86.9 | -3.8 | 79.5 | 981.2 |
| 01/05/2022 | 06:15:00 - 06:30:00 | 6 | 6 | 7 | 30 | 7 | 18.2 | 84.3 | -3.9 | 79.1 | 981.3 |
| 01/05/2022 | 06:30:00 - 06:45:00 | 6 | 7 | 7 | 30 | 7 | 21.7 | 84.7 | -3.9 | 79.7 | 981.5 |
| 01/05/2022 | 06:45:00 - 07:00:00 | 6 | 7 | 7 | 31 | 7 | 18.5 | 83.2 | -4.6 | 77.3 | 981.8 |
| 01/05/2022 | 07:00:00 - 07:15:00 | 6 | 7 | 7 | 31 | 7 | 19.5 | 90.3 | -4.6 | 79.3 | 982.1 |
| 01/05/2022 | 07:15:00 - 07:30:00 | 6 | 7 | 7 | 31 | 7 | 23.7 | 96.3 | -4.9 | 78.8 | 982.3 |
| 01/05/2022 | 07:30:00 - 07:45:00 | 6 | 7 | 8 | 31 | 7 | 17.7 | 87.4 | -5.3 | 76.6 | 982.4 |
| 01/05/2022 | 07:45:00 - 08:00:00 | 6 | 7 | 8 | 31 | 7 | 19.8 | 87.9 | -5.4 | 77.0 | 982.5 |
| 01/05/2022 | 08:00:00 - 08:15:00 | 6 | 7 | 8 | 32 | 7 | 23.8 | 86.9 | -5.6 | 76.3 | 982.7 |
| 01/05/2022 | 08:15:00 - 08:30:00 | 7 | 7 | 8 | 32 | 8 | 22.8 | 83.2 | -5.8 | 77.0 | 983.0 |
| 01/05/2022 | 08:30:00 - 08:45:00 | 7 | 7 | 8 | 32 | 8 | 18.2 | 84.5 | -5.8 | 77.5 | 983.1 |
| 01/05/2022 | 08:45:00 - 09:00:00 | 7 | 7 | 8 | 32 | 8 | 19.5 | 91.4 | -5.7 | 78.9 | 983.2 |
| 01/05/2022 | 09:00:00 - 09:15:00 | 7 | 8 | 8 | 32 | 8 | 18.2 | 84.1 | -5.8 | 79.4 | 983.5 |
| 01/05/2022 | 09:15:00 - 09:30:00 | 7 | 8 | 8 | 32 | 8 | 21.7 | 91.8 | -6.5 | 75.0 | 983.8 |
| 01/05/2022 | 09:30:00 - 09:45:00 | 7 | 8 | 8 | 33 | 8 | 20.3 | 95.0 | -6.8 | 76.0 | 984.3 |
| 01/05/2022 | 09:45:00 - 10:00:00 | 7 | 8 | 8 | 33 | 8 | 20.1 | 102.7 | -6.2 | 74.0 | 984.5 |
| 01/05/2022 | 10:00:00 - 10:15:00 | 7 | 8 | 8 | 33 | 8 | 21.1 | 95.0 | -6.8 | 73.9 | 984.7 |
| 01/05/2022 | 10:15:00 - 10:30:00 | 7 | 8 | 8 | 33 | 8 | 22.8 | 90.2 | -6.5 | 72.1 | 984.6 |
| 01/05/2022 | 10:30:00 - 10:45:00 | 9 | 8 | 10 | 33 | 8 | 24.0 | 96.7 | -6.6 | 71.2 | 984.5 |
| 01/05/2022 | 10:45:00 - 11:00:00 | 11 | 8 | 11 | 37 | 8 | 26.9 | 97.4 | -6.2 | 68.0 | 984.4 |
| 01/05/2022 | 11:00:00 - 11:15:00 | 10 | 9 | 11 | 36 | 8 | 19.6 | 97.6 | -6.1 | 66.4 | 984.2 |
| 01/05/2022 | 11:15:00 - 11:30:00 | 10 | 9 | 10 | 33 | 9 | 22.8 | 98.3 | -6.3 | 65.7 | 984.0 |
| 01/05/2022 | 11:30:00 - 11:45:00 | 10 | 9 | 10 | 0 | 9 | 22.8 | 93.4 | -6.5 | 66.2 | 983.9 |
| 01/05/2022 | 11:45:00 - 12:00:00 | 10 | 9 | 10 | 0 | 9 | 19.2 | 96.2 | -6.2 | 68.3 | 983.8 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 01/05/2022 | 12:00:00 - 12:15:00 | 10 | 9 | 10 | 0 | 9 | 18.9 | 89.6 | -6.2 | 68.4 | 983.8 |
| 01/05/2022 | 12:15:00 - 12:30:00 | 9 | 9 | 10 | 0 | 9 | 23.1 | 92.9 | -6.4 | 68.7 | 984.0 |
| 01/05/2022 | 12:30:00 - 12:45:00 | 10 | 9 | 10 | 30 | 9 | 23.3 | 95.3 | -6.2 | 66.5 | 984.4 |
| 01/05/2022 | 12:45:00 - 13:00:00 | 9 | 9 | 10 | 29 | 9 | 25.1 | 83.5 | -6.4 | 65.6 | 984.5 |
| 01/05/2022 | 13:00:00 - 13:15:00 | 9 | 9 | 10 | 28 | 9 | 19.7 | 76.5 | -7.2 | 67.5 | 984.7 |
| 01/05/2022 | 13:15:00 - 13:30:00 | 9 | 8 | 9 | 28 | 8 | 20.6 | 74.5 | -7.8 | 69.9 | 984.9 |
| 01/05/2022 | 13:30:00 - 13:45:00 | 9 | 8 | 9 | 27 | 8 | 21.4 | 80.7 | -8.2 | 68.2 | 984.9 |
| 01/05/2022 | 13:45:00 - 14:00:00 | 9 | 8 | 9 | 27 | 8 | 21.7 | 89.8 | -8.0 | 65.1 | 985.0 |
| 01/05/2022 | 14:00:00 - 14:15:00 | 9 | 8 | 9 | 26 | 8 | 23.2 | 94.0 | -7.8 | 63.0 | 985.1 |
| 01/05/2022 | 14:15:00 - 14:30:00 | 9 | 8 | 9 | 26 | 8 | 22.0 | 97.1 | -7.9 | 63.4 | 985.4 |
| 01/05/2022 | 14:30:00 - 14:45:00 | 8 | 8 | 9 | 26 | 8 | 21.2 | 90.6 | -7.7 | 60.5 | 985.6 |
| 01/05/2022 | 14:45:00 - 15:00:00 | 8 | 8 | 9 | 25 | 7 | 20.6 | 82.0 | -7.9 | 60.1 | 985.7 |
| 01/05/2022 | 15:00:00 - 15:15:00 | 8 | 8 | 9 | 25 | 7 | 19.4 | 81.8 | -7.9 | 62.3 | 986.1 |
| 01/05/2022 | 15:15:00 - 15:30:00 | 8 | 8 | 9 | 24 | 7 | 20.8 | 80.4 | -8.0 | 64.0 | 986.5 |
| 01/05/2022 | 15:30:00 - 15:45:00 | 8 | 8 | 9 | 24 | 7 | 20.0 | 86.2 | -8.3 | 65.0 | 986.8 |
| 01/05/2022 | 15:45:00 - 16:00:00 | 8 | 8 | 8 | 24 | 7 | 17.9 | 84.2 | -8.5 | 65.3 | 987.1 |
| 01/05/2022 | 16:00:00 - 16:15:00 | 8 | 8 | 8 | 24 | 7 | 20.1 | 84.2 | -9.0 | 65.6 | 987.5 |
| 01/05/2022 | 16:15:00 - 16:30:00 | 8 | 8 | 8 | 24 | 7 | 18.6 | 83.0 | -9.4 | 66.4 | 987.7 |
| 01/05/2022 | 16:30:00 - 16:45:00 | 8 | 8 | 8 | 24 | 7 | 18.5 | 86.6 | -9.6 | 66.6 | 988.0 |
| 01/05/2022 | 16:45:00 - 17:00:00 | 8 | 8 | 8 | 24 | 7 | 18.1 | 87.2 | -9.8 | 67.8 | 988.2 |
| 01/05/2022 | 17:00:00 - 17:15:00 | 7 | 8 | 8 | 24 | 7 | 17.0 | 84.4 | -10.0 | 67.6 | 988.2 |
| 01/05/2022 | 17:15:00 - 17:30:00 | 7 | 8 | 8 | 24 | 7 | 17.0 | 83.8 | -10.2 | 69.1 | 988.5 |
| 01/05/2022 | 17:30:00 - 17:45:00 | 7 | 8 | 8 | 23 | 7 | 16.1 | 82.3 | -10.4 | 70.9 | 989.0 |
| 01/05/2022 | 17:45:00 - 18:00:00 | 7 | 8 | 8 | 23 | 7 | 18.3 | 78.3 | -10.6 | 69.5 | 989.1 |
| 01/05/2022 | 18:00:00 - 18:15:00 | 7 | 8 | 8 | 23 | 6 | 18.0 | 79.7 | -10.8 | 68.5 | 989.2 |
| 01/05/2022 | 18:15:00 - 18:30:00 | 7 | 8 | 8 | 23 | 6 | 14.4 | 83.5 | -10.9 | 70.0 | 989.4 |
| 01/05/2022 | 18:30:00 - 18:45:00 | 7 | 8 | 8 | 23 | 6 | 12.7 | 91.6 | -11.0 | 71.3 | 989.6 |
| 01/05/2022 | 18:45:00 - 19:00:00 | 7 | 8 | 8 | 23 | 6 | 12.0 | 83.5 | -11.1 | 71.8 | 989.8 |
| 01/05/2022 | 19:00:00 - 19:15:00 | 7 | 8 | 7 | 23 | 6 | 14.6 | 83.7 | -11.1 | 70.1 | 990.4 |
| 01/05/2022 | 19:15:00 - 19:30:00 | 7 | 8 | 7 | 23 | 6 | 15.4 | 91.5 | -11.1 | 70.2 | 990.7 |
| 01/05/2022 | 19:30:00 - 19:45:00 | 7 | 8 | 7 | 22 | 6 | 15.1 | 88.9 | -11.2 | 69.3 | 990.9 |
| 01/05/2022 | 19:45:00 - 20:00:00 | 6 | 8 | 7 | 22 | 6 | 15.7 | 88.6 | -11.2 | 69.4 | 991.1 |
| 01/05/2022 | 20:00:00 - 20:15:00 | 6 | 8 | 7 | 22 | 6 | 16.1 | 95.8 | -11.1 | 69.9 | 991.6 |
| 01/05/2022 | 20:15:00 - 20:30:00 | 6 | 8 | 7 | 22 | 6 | 17.7 | 95.6 | -11.0 | 69.8 | 992.1 |
| 01/05/2022 | 20:30:00 - 20:45:00 | 6 | 8 | 7 | 22 | 6 | 17.0 | 92.1 | -10.9 | 69.2 | 992.3 |
| 01/05/2022 | 20:45:00 - 21:00:00 | 6 | 8 | 7 | 22 | 6 | 15.7 | 90.5 | -10.8 | 69.0 | 992.2 |
| 01/05/2022 | 21:00:00 - 21:15:00 | 6 | 8 | 7 | 22 | 6 | 15.9 | 87.6 | -10.7 | 68.9 | 992.0 |
| 01/05/2022 | 21:15:00 - 21:30:00 | 6 | 8 | 7 | 21 | 6 | 17.2 | 88.9 | -10.7 | 68.9 | 991.9 |
| 01/05/2022 | 21:30:00 - 21:45:00 | 6 | 8 | 7 | 21 | 6 | 14.0 | 84.0 | -10.6 | 68.8 | 992.0 |
| 01/05/2022 | 21:45:00 - 22:00:00 | 6 | 8 | 7 | 21 | 6 | 15.8 | 86.4 | -10.6 | 69.2 | 992.0 |
| 01/05/2022 | 22:00:00 - 22:15:00 | 6 | 8 | 7 | 21 | 6 | 15.5 | 81.6 | -10.5 | 69.0 | 992.1 |
| 01/05/2022 | 22:15:00 - 22:30:00 | 6 | 8 | 7 | 21 | 6 | 13.2 | 83.6 | -10.5 | 69.8 | 992.0 |
| 01/05/2022 | 22:30:00 - 22:45:00 | 6 | 8 | 7 | 21 | 6 | 14.6 | 82.2 | -10.4 | 70.0 | 992.3 |
| 01/05/2022 | 22:45:00 - 23:00:00 | 6 | 8 | 7 | 20 | 6 | 14.5 | 89.0 | -10.5 | 70.2 | 992.3 |
| 01/05/2022 | 23:00:00 - 23:15:00 | 6 | 8 | 7 | 20 | 5 | 14.7 | 86.3 | -10.5 | 70.6 | 992.0 |
| 01/05/2022 | 23:15:00 - 23:30:00 | 6 | 8 | 6 | 20 | 5 | 14.9 | 91.6 | -10.4 | 71.0 | 992.4 |
| 01/05/2022 | 23:30:00 - 23:45:00 | 6 | 8 | 6 | 20 | 5 | 14.3 | 82.3 | -10.5 | 71.0 | 992.7 |
| 01/06/2022 | 23:45:00 - 00:00:00 | 6 | 8 | 6 | 20 | 5 | 13.6 | 80.8 | -10.5 | 71.8 | 992.5 |
| 01/06/2022 | 00:00:00 - 00:15:00 | 5 | 8 | 6 | 20 | 5 | 14.8 | 87.5 | -10.6 | 72.0 | 992.5 |
| 01/06/2022 | 00:15:00 - 00:30:00 | 5 | 8 | 6 | 20 | 5 | 12.5 | 85.8 | -10.7 | 72.8 | 992.5 |
| 01/06/2022 | 00:30:00 - 00:45:00 | 5 | 8 | 6 | 19 | 5 | 12.8 | 86.5 | -10.7 | 73.3 | 992.4 |
| 01/06/2022 | 00:45:00 - 01:00:00 | 5 | 8 | 6 | 19 | 5 | 12.6 | 83.0 | -10.7 | 73.9 | 992.2 |
| 01/06/2022 | 01:00:00 - 01:15:00 | 5 | 8 | 6 | 19 | 5 | 9.8 | 87.7 | -10.7 | 73.9 | 992.4 |
| 01/06/2022 | 01:15:00 - 01:30:00 | 5 | 8 | 6 | 19 | 5 | 11.2 | 86.0 | -10.8 | 74.1 | 992.7 |
| 01/06/2022 | 01:30:00 - 01:45:00 | 5 | 8 | 6 | 19 | 5 | 12.9 | 86.3 | -10.8 | 74.8 | 993.2 |
| 01/06/2022 | 01:45:00 - 02:00:00 | 5 | 8 | 6 | 19 | 5 | 12.4 | 85.3 | -10.7 | 74.7 | 993.2 |
| 01/06/2022 | 02:00:00 - 02:15:00 | 5 | 8 | 6 | 19 | 5 | 11.3 | 84.0 | -10.7 | 75.0 | 993.1 |
| 01/06/2022 | 02:15:00 - 02:30:00 | 5 | 8 | 6 | 19 | 5 | 15.1 | 83.3 | -10.8 | 74.7 | 993.2 |
| 01/06/2022 | 02:30:00 - 02:45:00 | 5 | 8 | 6 | 19 | 5 | 11.9 | 82.9 | -10.8 | 74.2 | 993.1 |
| 01/06/2022 | 02:45:00 - 03:00:00 | 5 | 8 | 6 | 19 | 5 | 11.4 | 72.2 | -10.9 | 74.0 | 993.1 |
| 01/06/2022 | 03:00:00 - 03:15:00 | 5 | 8 | 6 | 19 | 5 | 11.5 | 78.7 | -10.9 | 73.8 | 993.1 |
| 01/06/2022 | 03:15:00 - 03:30:00 | 5 | 8 | 6 | 18 | 5 | 10.2 | 85.6 | -11.0 | 73.4 | 993.0 |
| 01/06/2022 | 03:30:00 - 03:45:00 | 5 | 8 | 6 | 18 | 5 | 11.4 | 80.2 | -11.0 | 73.5 | 993.0 |
| 01/06/2022 | 03:45:00 - 04:00:00 | 5 | 8 | 6 | 18 | 5 | 10.6 | 85.6 | -11.0 | 74.3 | 993.1 |
| 01/06/2022 | 04:00:00 - 04:15:00 | 5 | 8 | 6 | 18 | 5 | 11.1 | 85.2 | -10.9 | 75.0 | 992.9 |
| 01/06/2022 | 04:15:00 - 04:30:00 | 5 | 8 | 6 | 18 | 5 | 12.0 | 74.3 | -11.0 | 73.7 | 992.8 |
| 01/06/2022 | 04:30:00 - 04:45:00 | 5 | 8 | 6 | 18 | 5 | 9.7 | 71.4 | -11.0 | 74.7 | 992.4 |
| 01/06/2022 | 04:45:00 - 05:00:00 | 5 | 8 | 6 | 18 | 5 | 10.7 | 82.2 | -11.1 | 75.0 | 992.4 |
| 01/06/2022 | 05:00:00 - 05:15:00 | 5 | 8 | 6 | 18 | 5 | 11.8 | 84.3 | -11.2 | 74.6 | 992.5 |
| 01/06/2022 | 05:15:00 - 05:30:00 | 5 | 8 | 6 | 18 | 5 | 10.9 | 76.1 | -11.5 | 73.7 | 992.6 |
| 01/06/2022 | 05:30:00 - 05:45:00 | 5 | 8 | 6 | 18 | 5 | 11.5 | 70.3 | -11.6 | 73.9 | 992.9 |
| 01/06/2022 | 05:45:00 - 06:00:00 | 5 | 8 | 6 | 18 | 5 | 10.7 | 88.3 | -11.7 | 73.8 | 993.1 |
| 01/06/2022 | 06:00:00 - 06:15:00 | 5 | 8 | 6 | 18 | 5 | 11.6 | 81.0 | -11.7 | 75.0 | 993.1 |
| 01/06/2022 | 06:15:00 - 06:30:00 | 5 | 8 | 6 | 18 | 5 | 10.4 | 80.4 | -11.9 | 75.1 | 993.0 |
| 01/06/2022 | 06:30:00 - 06:45:00 | 5 | 8 | 6 | 18 | 5 | 11.0 | 84.1 | -11.9 | 75.3 | 993.0 |
| 01/06/2022 | 06:45:00 - 07:00:00 | 5 | 8 | 6 | 17 | 5 | 10.0 | 80.2 | -12.0 | 76.0 | 993.3 |
| 01/06/2022 | 07:00:00 - 07:15:00 | 5 | 8 | 6 | 17 | 5 | 12.1 | 92.1 | -12.1 | 76.1 | 993.6 |
| 01/06/2022 | 07:15:00 - 07:30:00 | 5 | 8 | 6 | 17 | 5 | 10.5 | 92.0 | -12.2 | 76.8 | 993.5 |
| 01/06/2022 | 07:30:00 - 07:45:00 | 5 | 8 | 6 | 17 | 5 | 9.8 | 87.6 | -12.2 | 77.2 | 993.5 |
| 01/06/2022 | 07:45:00 - 08:00:00 | 5 | 8 | 6 | 17 | 5 | 10.5 | 85.4 | -12.4 | 77.0 | 993.4 |
| 01/06/2022 | 08:00:00 - 08:15:00 | 5 | 8 | 6 | 17 | 5 | 11.1 | 83.1 | -12.4 | 77.6 | 993.8 |
| 01/06/2022 | 08:15:00 - 08:30:00 | 5 | 8 | 6 | 17 | 5 | 12.9 | 83.1 | -12.4 | 78.1 | 994.2 |
| 01/06/2022 | 08:30:00 - 08:45:00 | 5 | 8 | 6 | 17 | 5 | 10.6 | 94.9 | -12.4 | 77.9 | 994.1 |
| 01/06/2022 | 08:45:00 - 09:00:00 | 5 | 8 | 6 | 17 | 4 | 10.5 | 94.2 | -12.5 | 78.3 | 993.8 |
| 01/06/2022 | 09:00:00 - 09:15:00 | 5 | 8 | 6 | 17 | 4 | 9.8 | 66.4 | -12.4 | 77.0 | 993.8 |
| 01/06/2022 | 09:15:00 - 09:30:00 | 5 | 8 | 6 | 17 | 4 | 9.5 | 48.2 | -12.5 | 76.0 | 993.7 |
| 01/06/2022 | 09:30:00 - 09:45:00 | 5 | 8 | 6 | 17 | 4 | 10.9 | 65.1 | -12.5 | 76.6 | 993.6 |
| 01/06/2022 | 09:45:00 - 10:00:00 | 5 | 8 | 6 | 17 | 4 | 11.5 | 86.2 | -12.6 | 77.7 | 993.8 |
| 01/06/2022 | 10:00:00 - 10:15:00 | 5 | 8 | 6 | 17 | 4 | 11.7 | 82.2 | -12.5 | 77.4 | 994.0 |
| 01/06/2022 | 10:15:00 - 10:30:00 | 5 | 8 | 6 | 17 | 4 | 9.7 | 75.8 | -12.3 | 77.0 | 994.4 |
| 01/06/2022 | 10:30:00 - 10:45:00 | 5 | 8 | 6 | 17 | 4 | 12.7 | 85.7 | -12.3 | 76.1 | 994.4 |
| 01/06/2022 | 10:45:00 - 11:00:00 | 5 | 8 | 6 | 17 | 4 | 10.4 | 80.3 | -12.1 | 76.7 | 994.4 |
| 01/06/2022 | 11:00:00 - 11:15:00 | 5 | 8 | 6 | 17 | 4 | 12.5 | 79.8 | -12.1 | 76.5 | 994.3 |
| 01/06/2022 | 11:15:00 - 11:30:00 | 5 | 8 | 6 | 17 | 4 | 11.8 | 81.3 | -12.1 | 76.4 | 993.9 |
| 01/06/2022 | 11:30:00 - 11:45:00 | 5 | 8 | 6 | 17 | 4 | 13.3 | 70.9 | -11.9 | 76.0 | 993.7 |
| 01/06/2022 | 11:45:00 - 12:00:00 | 5 | 8 | 6 | 17 | 4 | 13.2 | 81.7 | -11.5 | 75.4 | 993.6 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 01/06/2022 | 12:00:00 - 12:15:00 | 5 | 8 | 6 | 17 | 4 | 13.6 | 75.0 | -11.3 | 74.0 | 993.4 |
| 01/06/2022 | 12:15:00 - 12:30:00 | 5 | 8 | 6 | 17 | 4 | 14.6 | 88.5 | -11.2 | 73.6 | 993.1 |
| 01/06/2022 | 12:30:00 - 12:45:00 | 5 | 5 | 6 | 17 | 4 | 13.8 | 91.0 | -10.8 | 73.2 | 993.0 |
| 01/06/2022 | 12:45:00 - 13:00:00 | 5 | 5 | 6 | 17 | 4 | 12.7 | 77.7 | -10.6 | 72.3 | 993.0 |
| 01/06/2022 | 13:00:00 - 13:15:00 | 5 | 5 | 6 | 17 | 4 | 13.3 | 78.4 | -10.6 | 71.9 | 992.8 |
| 01/06/2022 | 13:15:00 - 13:30:00 | 5 | 5 | 6 | 17 | 4 | 13.9 | 74.2 | -10.4 | 71.5 | 992.6 |
| 01/06/2022 | 13:30:00 - 13:45:00 | 5 | 5 | 5 | 17 | 4 | 14.3 | 85.3 | -10.3 | 71.3 | 992.6 |
| 01/06/2022 | 13:45:00 - 14:00:00 | 4 | 5 | 5 | 25 | 5 | 15.1 | 82.4 | -10.3 | 71.3 | 992.5 |
| 01/06/2022 | 14:00:00 - 14:15:00 | 4 | 5 | 5 | 18 | 4 | 13.2 | 84.8 | -10.1 | 71.0 | 992.5 |
| 01/06/2022 | 14:15:00 - 14:30:00 | 4 | 5 | 5 | 17 | 4 | 15.2 | 73.0 | -10.0 | 70.6 | 992.4 |
| 01/06/2022 | 14:30:00 - 14:45:00 | 4 | 5 | 5 | 17 | 4 | 12.8 | 70.8 | -10.0 | 70.3 | 992.4 |
| 01/06/2022 | 14:45:00 - 15:00:00 | 3 | 5 | 5 | 16 | 4 | 12.3 | 69.8 | -10.0 | 70.4 | 992.3 |
| 01/06/2022 | 15:00:00 - 15:15:00 | 3 | 5 | 5 | 16 | 4 | 12.4 | 84.5 | -10.0 | 70.7 | 992.6 |
| 01/06/2022 | 15:15:00 - 15:30:00 | 3 | 5 | 5 | 17 | 4 | 11.7 | 68.6 | -10.3 | 71.4 | 992.6 |
| 01/06/2022 | 15:30:00 - 15:45:00 | 4 | 5 | 5 | 17 | 4 | 13.9 | 77.5 | -10.6 | 72.6 | 993.0 |
| 01/06/2022 | 15:45:00 - 16:00:00 | 4 | 5 | 5 | 17 | 4 | 14.9 | 88.9 | -10.8 | 73.2 | 993.2 |
| 01/06/2022 | 16:00:00 - 16:15:00 | 4 | 5 | 5 | 17 | 4 | 14.6 | 82.2 | -11.2 | 74.2 | 993.4 |
| 01/06/2022 | 16:15:00 - 16:30:00 | 4 | 5 | 5 | 18 | 5 | 12.0 | 82.4 | -11.5 | 75.3 | 993.7 |
| 01/06/2022 | 16:30:00 - 16:45:00 | 4 | 5 | 5 | 18 | 5 | 14.4 | 82.7 | -11.9 | 76.0 | 993.8 |
| 01/06/2022 | 16:45:00 - 17:00:00 | 4 | 5 | 5 | 18 | 5 | 16.0 | 80.0 | -12.3 | 76.8 | 994.0 |
| 01/06/2022 | 17:00:00 - 17:15:00 | 4 | 5 | 5 | 18 | 5 | 13.2 | 74.7 | -12.6 | 77.0 | 994.2 |
| 01/06/2022 | 17:15:00 - 17:30:00 | 4 | 5 | 5 | 18 | 5 | 16.3 | 78.6 | -12.9 | 77.0 | 994.5 |
| 01/06/2022 | 17:30:00 - 17:45:00 | 4 | 5 | 5 | 18 | 5 | 15.1 | 71.0 | -13.3 | 77.2 | 994.7 |
| 01/06/2022 | 17:45:00 - 18:00:00 | 4 | 5 | 5 | 18 | 5 | 16.3 | 71.1 | -13.6 | 77.8 | 994.7 |
| 01/06/2022 | 18:00:00 - 18:15:00 | 4 | 5 | 5 | 19 | 5 | 15.9 | 74.5 | -13.9 | 77.6 | 994.9 |
| 01/06/2022 | 18:15:00 - 18:30:00 | 4 | 5 | 5 | 19 | 5 | 14.8 | 73.6 | -14.0 | 77.7 | 995.1 |
| 01/06/2022 | 18:30:00 - 18:45:00 | 4 | 5 | 5 | 19 | 5 | 14.7 | 74.4 | -14.1 | 77.3 | 995.1 |
| 01/06/2022 | 18:45:00 - 19:00:00 | 4 | 5 | 5 | 19 | 5 | 17.9 | 76.7 | -14.3 | 77.3 | 995.2 |
| 01/06/2022 | 19:00:00 - 19:15:00 | 4 | 5 | 5 | 19 | 5 | 14.4 | 79.8 | -14.4 | 76.0 | 995.5 |
| 01/06/2022 | 19:15:00 - 19:30:00 | 4 | 5 | 5 | 19 | 5 | 14.5 | 70.9 | -14.6 | 76.0 | 995.5 |
| 01/06/2022 | 19:30:00 - 19:45:00 | 4 | 5 | 5 | 19 | 5 | 16.8 | 68.5 | -14.7 | 76.0 | 995.7 |
| 01/06/2022 | 19:45:00 - 20:00:00 | 4 | 5 | 5 | 19 | 5 | 15.0 | 75.0 | -14.9 | 77.0 | 995.8 |
| 01/06/2022 | 20:00:00 - 20:15:00 | 4 | 5 | 5 | 19 | 5 | 15.9 | 72.8 | -15.1 | 77.4 | 995.9 |
| 01/06/2022 | 20:15:00 - 20:30:00 | 4 | 5 | 5 | 19 | 5 | 14.8 | 75.5 | -15.3 | 77.0 | 996.0 |
| 01/06/2022 | 20:30:00 - 20:45:00 | 4 | 5 | 5 | 19 | 5 | 16.2 | 68.2 | -15.5 | 78.6 | 996.0 |
| 01/06/2022 | 20:45:00 - 21:00:00 | 4 | 5 | 5 | 19 | 5 | 15.8 | 79.6 | -15.7 | 78.1 | 996.1 |
| 01/06/2022 | 21:00:00 - 21:15:00 | 4 | 5 | 5 | 19 | 5 | 14.4 | 70.3 | -15.9 | 78.3 | 996.2 |
| 01/06/2022 | 21:15:00 - 21:30:00 | 4 | 5 | 5 | 19 | 5 | 14.8 | 86.3 | -16.0 | 79.4 | 996.3 |
| 01/06/2022 | 21:30:00 - 21:45:00 | 4 | 5 | 5 | 19 | 5 | 14.5 | 79.7 | -16.2 | 79.2 | 996.5 |
| 01/06/2022 | 21:45:00 - 22:00:00 | 4 | 5 | 5 | 19 | 5 | 14.4 | 79.1 | -16.3 | 79.6 | 996.6 |
| 01/06/2022 | 22:00:00 - 22:15:00 | 4 | 5 | 5 | 19 | 5 | 16.7 | 77.3 | -16.5 | 79.5 | 997.0 |
| 01/06/2022 | 22:15:00 - 22:30:00 | 4 | 5 | 5 | 19 | 5 | 14.3 | 72.9 | -16.6 | 79.6 | 997.1 |
| 01/06/2022 | 22:30:00 - 22:45:00 | 4 | 5 | 5 | 19 | 5 | 17.3 | 72.8 | -16.7 | 79.6 | 997.1 |
| 01/06/2022 | 22:45:00 - 23:00:00 | 4 | 5 | 5 | 19 | 5 | 13.9 | 82.0 | -16.8 | 80.0 | 997.1 |
| 01/06/2022 | 23:00:00 - 23:15:00 | 4 | 5 | 5 | 19 | 5 | 12.2 | 75.1 | -16.9 | 80.0 | 997.2 |
| 01/06/2022 | 23:15:00 - 23:30:00 | 4 | 5 | 5 | 20 | 5 | 13.5 | 75.4 | -17.0 | 80.0 | 997.4 |
| 01/06/2022 | 23:30:00 - 23:45:00 | 4 | 5 | 5 | 20 | 5 | 13.5 | 69.8 | -17.0 | 80.7 | 997.5 |
| 01/07/2022 | 23:45:00 - 00:00:00 | 4 | 5 | 5 | 20 | 5 | 12.5 | 75.9 | -17.1 | 80.8 | 997.6 |
| 01/07/2022 | 00:00:00 - 00:15:00 | 4 | 5 | 5 | 20 | 5 | 13.0 | 72.1 | -17.2 | 80.8 | 997.6 |
| 01/07/2022 | 00:15:00 - 00:30:00 | 4 | 5 | 5 | 20 | 5 | 13.4 | 77.5 | -17.3 | 81.0 | 997.7 |
| 01/07/2022 | 00:30:00 - 00:45:00 | 4 | 6 | 5 | 20 | 5 | 15.0 | 81.7 | -17.4 | 81.0 | 997.6 |
| 01/07/2022 | 00:45:00 - 01:00:00 | 4 | 6 | 5 | 20 | 5 | 14.5 | 80.1 | -17.4 | 81.0 | 997.7 |
| 01/07/2022 | 01:00:00 - 01:15:00 | 4 | 6 | 5 | 20 | 5 | 13.7 | 79.2 | -17.5 | 81.0 | 997.8 |
| 01/07/2022 | 01:15:00 - 01:30:00 | 4 | 6 | 5 | 20 | 5 | 14.3 | 82.9 | -17.6 | 80.5 | 998.0 |
| 01/07/2022 | 01:30:00 - 01:45:00 | 4 | 6 | 5 | 20 | 5 | 14.0 | 76.9 | -17.6 | 79.6 | 998.2 |
| 01/07/2022 | 01:45:00 - 02:00:00 | 4 | 6 | 5 | 20 | 5 | 14.3 | 88.4 | -17.6 | 80.0 | 998.4 |
| 01/07/2022 | 02:00:00 - 02:15:00 | 4 | 6 | 5 | 20 | 5 | 15.7 | 82.7 | -17.7 | 79.6 | 998.6 |
| 01/07/2022 | 02:15:00 - 02:30:00 | 4 | 6 | 5 | 20 | 5 | 12.1 | 76.1 | -17.7 | 79.7 | 998.9 |
| 01/07/2022 | 02:30:00 - 02:45:00 | 4 | 6 | 5 | 20 | 5 | 13.7 | 79.8 | -17.7 | 79.9 | 998.8 |
| 01/07/2022 | 02:45:00 - 03:00:00 | 4 | 6 | 5 | 20 | 5 | 13.6 | 69.0 | -17.7 | 79.2 | 998.9 |
| 01/07/2022 | 03:00:00 - 03:15:00 | 4 | 6 | 5 | 20 | 5 | 13.4 | 68.4 | -17.8 | 79.0 | 998.9 |
| 01/07/2022 | 03:15:00 - 03:30:00 | 4 | 6 | 5 | 20 | 5 | 14.4 | 71.8 | -17.8 | 79.9 | 999.0 |
| 01/07/2022 | 03:30:00 - 03:45:00 | 4 | 6 | 5 | 20 | 5 | 11.6 | 76.9 | -17.9 | 80.0 | 998.8 |
| 01/07/2022 | 03:45:00 - 04:00:00 | 4 | 6 | 5 | 20 | 5 | 10.0 | 81.3 | -17.9 | 80.2 | 999.0 |
| 01/07/2022 | 04:00:00 - 04:15:00 | 4 | 6 | 5 | 20 | 5 | 9.7 | 82.1 | -17.9 | 80.0 | 999.2 |
| 01/07/2022 | 04:15:00 - 04:30:00 | 4 | 6 | 5 | 20 | 5 | 13.1 | 83.7 | -18.0 | 79.8 | 999.3 |
| 01/07/2022 | 04:30:00 - 04:45:00 | 5 | 6 | 5 | 20 | 5 | 10.1 | 75.6 | -17.9 | 80.0 | 999.2 |
| 01/07/2022 | 04:45:00 - 05:00:00 | 5 | 6 | 5 | 21 | 5 | 11.1 | 87.1 | -18.0 | 80.0 | 999.0 |
| 01/07/2022 | 05:00:00 - 05:15:00 | 5 | 6 | 5 | 21 | 5 | 9.2 | 85.7 | -18.0 | 80.0 | 999.1 |
| 01/07/2022 | 05:15:00 - 05:30:00 | 5 | 6 | 5 | 21 | 5 | 9.6 | 74.9 | -18.0 | 80.1 | 999.2 |
| 01/07/2022 | 05:30:00 - 05:45:00 | 5 | 6 | 5 | 21 | 5 | 8.3 | 83.0 | -18.1 | 80.7 | 999.4 |
| 01/07/2022 | 05:45:00 - 06:00:00 | 5 | 6 | 5 | 21 | 5 | 9.2 | 74.8 | -18.1 | 81.0 | 999.3 |
| 01/07/2022 | 06:00:00 - 06:15:00 | 5 | 6 | 5 | 21 | 5 | 8.3 | 84.3 | -18.0 | 81.0 | 999.6 |
| 01/07/2022 | 06:15:00 - 06:30:00 | 5 | 6 | 5 | 21 | 5 | 9.3 | 84.3 | -17.9 | 80.9 | 999.9 |
| 01/07/2022 | 06:30:00 - 06:45:00 | 5 | 6 | 5 | 21 | 5 | 10.2 | 83.5 | -17.9 | 80.2 | 1000.0 |
| 01/07/2022 | 06:45:00 - 07:00:00 | 5 | 6 | 5 | 21 | 5 | 8.5 | 73.4 | -18.0 | 80.0 | 1000.0 |
| 01/07/2022 | 07:00:00 - 07:15:00 | 5 | 6 | 5 | 21 | 5 | 7.6 | 85.7 | -18.0 | 80.9 | 1000.1 |
| 01/07/2022 | 07:15:00 - 07:30:00 | 5 | 6 | 5 | 21 | 5 | 7.9 | 78.2 | -18.0 | 81.0 | 1000.3 |
| 01/07/2022 | 07:30:00 - 07:45:00 | 5 | 6 | 5 | 21 | 5 | 7.9 | 79.3 | -18.0 | 81.1 | 1000.5 |
| 01/07/2022 | 07:45:00 - 08:00:00 | 5 | 6 | 5 | 21 | 5 | 8.9 | 90.7 | -17.8 | 81.0 | 1000.6 |
| 01/07/2022 | 08:00:00 - 08:15:00 | 5 | 6 | 5 | 21 | 5 | 9.4 | 99.0 | -17.6 | 80.1 | 1000.8 |
| 01/07/2022 | 08:15:00 - 08:30:00 | 5 | 6 | 5 | 21 | 5 | 8.7 | 111.0 | -17.0 | 79.2 | 1001.2 |
| 01/07/2022 | 08:30:00 - 08:45:00 | 5 | 6 | 5 | 22 | 5 | 9.0 | 105.6 | -16.8 | 77.8 | 1001.5 |
| 01/07/2022 | 08:45:00 - 09:00:00 | 5 | 6 | 5 | 22 | 5 | 10.9 | 92.2 | -16.5 | 77.1 | 1001.5 |
| 01/07/2022 | 09:00:00 - 09:15:00 | 5 | 6 | 5 | 22 | 5 | 8.8 | 109.6 | -15.7 | 76.3 | 1001.7 |
| 01/07/2022 | 09:15:00 - 09:30:00 | 5 | 6 | 5 | 22 | 5 | 11.2 | 115.3 | -15.3 | 74.2 | 1001.6 |
| 01/07/2022 | 09:30:00 - 09:45:00 | 5 | 6 | 6 | 22 | 5 | 10.3 | 96.3 | -15.1 | 75.1 | 1001.7 |
| 01/07/2022 | 09:45:00 - 10:00:00 | 6 | 6 | 7 | 22 | 6 | 12.8 | 108.6 | -14.9 | 74.5 | 1001.9 |
| 01/07/2022 | 10:00:00 - 10:15:00 | 6 | 6 | 7 | 22 | 6 | 10.3 | 126.9 | -14.3 | 73.1 | 1001.9 |
| 01/07/2022 | 10:15:00 - 10:30:00 | 6 | 6 | 6 | 22 | 6 | 9.1 | 125.3 | -13.8 | 72.2 | 1001.8 |
| 01/07/2022 | 10:30:00 - 10:45:00 | 5 | 6 | 6 | 21 | 6 | 9.8 | 117.2 | -13.5 | 72.2 | 1001.8 |
| 01/07/2022 | 10:45:00 - 11:00:00 | 5 | 6 | 6 | 21 | 5 | 8.3 | 127.8 | -13.1 | 71.5 | 1001.7 |
| 01/07/2022 | 11:00:00 - 11:15:00 | 5 | 6 | 6 | 21 | 5 | 9.9 | 113.2 | -13.0 | 70.9 | 1001.7 |
| 01/07/2022 | 11:15:00 - 11:30:00 | 5 | 6 | 6 | 21 | 5 | 9.2 | 127.5 | -12.6 | 70.8 | 1001.5 |
| 01/07/2022 | 11:30:00 - 11:45:00 | 5 | 6 | 6 | 21 | 5 | 11.2 | 107.4 | -12.5 | 70.8 | 1001.3 |
| 01/07/2022 | 11:45:00 - 12:00:00 | 5 | 6 | 6 | 21 | 5 | 9.0 | 130.0 | -11.9 | 70.2 | 1001.2 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 01/07/2022 | 12:00:00 - 12:15:00 | 5 | 6 | 6 | 20 | 5 | 9.3 | 113.4 | -11.7 | 68.8 | 1000.9 |
| 01/07/2022 | 12:15:00 - 12:30:00 | 5 | 6 | 6 | 20 | 5 | 9.1 | 90.9 | -11.0 | 68.2 | 1000.8 |
| 01/07/2022 | 12:30:00 - 12:45:00 | 5 | 6 | 6 | 20 | 5 | 9.5 | 92.2 | -10.5 | 66.7 | 1000.7 |
| 01/07/2022 | 12:45:00 - 13:00:00 | 5 | 6 | 6 | 20 | 5 | 9.1 | 94.2 | -10.3 | 66.9 | 1000.2 |
| 01/07/2022 | 13:00:00 - 13:15:00 | 5 | 6 | 6 | 20 | 5 | 6.6 | 116.4 | -9.4 | 64.3 | 1000.0 |
| 01/07/2022 | 13:15:00 - 13:30:00 | 5 | 6 | 6 | 19 | 5 | 7.9 | 97.9 | -9.2 | 63.7 | 1000.1 |
| 01/07/2022 | 13:30:00 - 13:45:00 | 5 | 6 | 6 | 19 | 5 | 8.3 | 118.7 | -8.9 | 62.7 | 1000.4 |
| 01/07/2022 | 13:45:00 - 14:00:00 | 4 | 6 | 6 | 19 | 5 | 7.9 | 103.8 | -8.7 | 62.6 | 1000.4 |
| 01/07/2022 | 14:00:00 - 14:15:00 | 4 | 6 | 5 | 18 | 5 | 7.9 | 89.8 | -8.8 | 62.7 | 1000.4 |
| 01/07/2022 | 14:15:00 - 14:30:00 | 4 | 6 | 5 | 15 | 5 | 5.0 | 100.7 | -8.3 | 61.5 | 1000.5 |
| 01/07/2022 | 14:30:00 - 14:45:00 | 4 | 6 | 5 | 14 | 5 | 6.8 | 133.3 | -8.0 | 60.6 | 1000.6 |
| 01/07/2022 | 14:45:00 - 15:00:00 | 4 | 6 | 5 | 15 | 4 | 4.5 | 137.7 | -8.0 | 60.4 | 1000.5 |
| 01/07/2022 | 15:00:00 - 15:15:00 | 4 | 6 | 5 | 16 | 4 | 4.8 | 133.6 | -7.8 | 60.0 | 1000.7 |
| 01/07/2022 | 15:15:00 - 15:30:00 | 4 | 6 | 5 | 15 | 4 | 6.7 | 140.5 | -8.1 | 60.8 | 1000.9 |
| 01/07/2022 | 15:30:00 - 15:45:00 | 4 | 6 | 5 | 15 | 4 | 4.9 | 151.9 | -8.4 | 61.1 | 1000.4 |
| 01/07/2022 | 15:45:00 - 16:00:00 | 4 | 6 | 5 | 14 | 4 | 5.4 | 151.4 | -8.6 | 63.0 | 1000.3 |
| 01/07/2022 | 16:00:00 - 16:15:00 | 4 | 6 | 5 | 14 | 4 | 7.0 | 155.8 | -8.6 | 63.0 | 1000.2 |
| 01/07/2022 | 16:15:00 - 16:30:00 | 4 | 6 | 5 | 14 | 4 | 5.3 | 159.5 | -8.9 | 64.1 | 1000.1 |
| 01/07/2022 | 16:30:00 - 16:45:00 | 4 | 6 | 5 | 14 | 4 | 6.7 | 159.4 | -9.0 | 65.0 | 1000.4 |
| 01/07/2022 | 16:45:00 - 17:00:00 | 4 | 6 | 5 | 15 | 4 | 6.4 | 155.9 | -9.1 | 65.4 | 1000.5 |
| 01/07/2022 | 17:00:00 - 17:15:00 | 4 | 6 | 5 | 16 | 4 | 6.7 | 155.9 | -9.2 | 65.5 | 1000.7 |
| 01/07/2022 | 17:15:00 - 17:30:00 | 4 | 6 | 5 | 17 | 4 | 6.6 | 162.2 | -9.2 | 66.0 | 1000.9 |
| 01/07/2022 | 17:30:00 - 17:45:00 | 4 | 6 | 5 | 18 | 4 | 6.5 | 159.1 | -9.1 | 66.9 | 1001.1 |
| 01/07/2022 | 17:45:00 - 18:00:00 | 4 | 6 | 5 | 18 | 4 | 7.4 | 150.0 | -9.0 | 66.4 | 1001.2 |
| 01/07/2022 | 18:00:00 - 18:15:00 | 4 | 6 | 5 | 18 | 4 | 6.3 | 136.5 | -9.2 | 67.5 | 1001.1 |
| 01/07/2022 | 18:15:00 - 18:30:00 | 4 | 6 | 5 | 18 | 4 | 7.1 | 136.9 | -9.2 | 68.3 | 1000.9 |
| 01/07/2022 | 18:30:00 - 18:45:00 | 4 | 6 | 5 | 18 | 4 | 7.5 | 154.1 | -9.2 | 69.0 | 1001.0 |
| 01/07/2022 | 18:45:00 - 19:00:00 | 4 | 6 | 5 | 18 | 4 | 9.7 | 151.8 | -9.2 | 69.0 | 1000.9 |
| 01/07/2022 | 19:00:00 - 19:15:00 | 4 | 6 | 5 | 18 | 4 | 10.2 | 148.4 | -9.2 | 69.4 | 1000.8 |
| 01/07/2022 | 19:15:00 - 19:30:00 | 4 | 6 | 5 | 18 | 4 | 9.0 | 152.8 | -9.3 | 70.7 | 1000.6 |
| 01/07/2022 | 19:30:00 - 19:45:00 | 4 | 6 | 5 | 18 | 4 | 10.3 | 149.8 | -9.3 | 71.0 | 1000.4 |
| 01/07/2022 | 19:45:00 - 20:00:00 | 4 | 6 | 5 | 18 | 4 | 10.5 | 151.2 | -9.4 | 71.0 | 1000.5 |
| 01/07/2022 | 20:00:00 - 20:15:00 | 4 | 6 | 5 | 18 | 4 | 10.3 | 150.6 | -9.4 | 71.7 | 1000.3 |
| 01/07/2022 | 20:15:00 - 20:30:00 | 4 | 6 | 5 | 18 | 4 | 10.0 | 152.2 | -9.4 | 72.1 | 1000.4 |
| 01/07/2022 | 20:30:00 - 20:45:00 | 4 | 6 | 5 | 18 | 4 | 10.7 | 146.5 | -9.4 | 72.8 | 1000.1 |
| 01/07/2022 | 20:45:00 - 21:00:00 | 4 | 6 | 5 | 18 | 4 | 9.9 | 148.6 | -9.4 | 73.0 | 1000.3 |
| 01/07/2022 | 21:00:00 - 21:15:00 | 4 | 6 | 5 | 18 | 4 | 10.8 | 152.5 | -9.4 | 73.6 | 1000.4 |
| 01/07/2022 | 21:15:00 - 21:30:00 | 4 | 6 | 5 | 18 | 4 | 10.4 | 153.4 | -9.6 | 74.5 | 1000.2 |
| 01/07/2022 | 21:30:00 - 21:45:00 | 4 | 6 | 5 | 18 | 4 | 11.3 | 150.5 | -9.6 | 75.7 | 999.9 |
| 01/07/2022 | 21:45:00 - 22:00:00 | 4 | 6 | 5 | 18 | 4 | 11.0 | 146.5 | -9.6 | 76.0 | 999.8 |
| 01/07/2022 | 22:00:00 - 22:15:00 | 4 | 6 | 5 | 18 | 4 | 10.2 | 150.8 | -9.6 | 76.0 | 999.8 |
| 01/07/2022 | 22:15:00 - 22:30:00 | 4 | 6 | 5 | 18 | 4 | 10.0 | 150.6 | -9.6 | 76.3 | 999.8 |
| 01/07/2022 | 22:30:00 - 22:45:00 | 4 | 6 | 5 | 18 | 4 | 9.8 | 151.1 | -9.7 | 77.0 | 1000.0 |
| 01/07/2022 | 22:45:00 - 23:00:00 | 4 | 6 | 5 | 18 | 4 | 7.0 | 156.7 | -9.6 | 77.0 | 1000.2 |
| 01/07/2022 | 23:00:00 - 23:15:00 | 4 | 6 | 5 | 18 | 4 | 8.9 | 155.0 | -9.5 | 76.4 | 1000.0 |
| 01/07/2022 | 23:15:00 - 23:30:00 | 4 | 6 | 5 | 18 | 4 | 9.7 | 155.0 | -9.5 | 76.1 | 999.8 |
| 01/07/2022 | 23:30:00 - 23:45:00 | 4 | 6 | 5 | 18 | 4 | 7.9 | 156.7 | -9.5 | 77.0 | 999.9 |
| 01/08/2022 | 23:45:00 - 00:00:00 | 4 | 6 | 5 | 18 | 4 | 8.1 | 158.1 | -9.5 | 77.0 | 1000.2 |
| 01/08/2022 | 00:00:00 - 00:15:00 | 4 | 6 | 5 | 18 | 4 | 7.5 | 160.3 | -9.5 | 77.9 | 999.8 |
| 01/08/2022 | 00:15:00 - 00:30:00 | 4 | 6 | 5 | 18 | 4 | 9.5 | 148.0 | -9.6 | 78.0 | 999.7 |
| 01/08/2022 | 00:30:00 - 00:45:00 | 4 | 6 | 5 | 18 | 4 | 12.2 | 151.4 | -9.7 | 78.9 | 999.5 |
| 01/08/2022 | 00:45:00 - 01:00:00 | 4 | 6 | 5 | 18 | 4 | 12.5 | 149.4 | -9.7 | 79.1 | 999.5 |
| 01/08/2022 | 01:00:00 - 01:15:00 | 4 | 6 | 5 | 18 | 4 | 11.6 | 149.9 | -9.9 | 80.2 | 999.5 |
| 01/08/2022 | 01:15:00 - 01:30:00 | 4 | 6 | 5 | 18 | 4 | 9.7 | 155.1 | -9.9 | 81.0 | 999.7 |
| 01/08/2022 | 01:30:00 - 01:45:00 | 4 | 6 | 5 | 18 | 4 | 9.5 | 152.1 | -9.8 | 81.0 | 999.6 |
| 01/08/2022 | 01:45:00 - 02:00:00 | 4 | 6 | 5 | 18 | 4 | 12.3 | 147.3 | -9.7 | 81.0 | 999.6 |
| 01/08/2022 | 02:00:00 - 02:15:00 | 4 | 6 | 5 | 18 | 4 | 12.5 | 147.8 | -9.6 | 81.0 | 999.4 |
| 01/08/2022 | 02:15:00 - 02:30:00 | 4 | 6 | 5 | 19 | 5 | 11.8 | 154.3 | -9.6 | 80.3 | 999.3 |
| 01/08/2022 | 02:30:00 - 02:45:00 | 4 | 6 | 5 | 19 | 5 | 12.4 | 155.0 | -9.5 | 80.1 | 999.4 |
| 01/08/2022 | 02:45:00 - 03:00:00 | 4 | 6 | 5 | 19 | 5 | 9.1 | 159.2 | -9.5 | 81.0 | 999.6 |
| 01/08/2022 | 03:00:00 - 03:15:00 | 4 | 6 | 5 | 19 | 5 | 8.2 | 159.1 | -9.5 | 81.0 | 999.4 |
| 01/08/2022 | 03:15:00 - 03:30:00 | 4 | 6 | 5 | 19 | 5 | 12.5 | 149.6 | -9.4 | 80.0 | 998.7 |
| 01/08/2022 | 03:30:00 - 03:45:00 | 4 | 6 | 5 | 19 | 5 | 12.9 | 148.0 | -9.4 | 80.3 | 998.4 |
| 01/08/2022 | 03:45:00 - 04:00:00 | 4 | 6 | 5 | 19 | 5 | 10.7 | 157.1 | -9.4 | 81.0 | 998.5 |
| 01/08/2022 | 04:00:00 - 04:15:00 | 4 | 6 | 5 | 19 | 5 | 10.2 | 161.5 | -9.4 | 81.0 | 998.4 |
| 01/08/2022 | 04:15:00 - 04:30:00 | 4 | 6 | 5 | 20 | 5 | 9.9 | 160.1 | -9.3 | 80.2 | 998.3 |
| 01/08/2022 | 04:30:00 - 04:45:00 | 4 | 6 | 5 | 20 | 5 | 9.3 | 159.5 | -9.2 | 80.0 | 998.1 |
| 01/08/2022 | 04:45:00 - 05:00:00 | 4 | 6 | 5 | 20 | 5 | 10.5 | 158.8 | -9.2 | 80.9 | 998.0 |
| 01/08/2022 | 05:00:00 - 05:15:00 | 4 | 6 | 5 | 20 | 5 | 9.7 | 160.0 | -9.2 | 81.0 | 998.0 |
| 01/08/2022 | 05:15:00 - 05:30:00 | 4 | 6 | 5 | 20 | 5 | 11.4 | 158.5 | -9.2 | 81.0 | 998.0 |
| 01/08/2022 | 05:30:00 - 05:45:00 | 4 | 6 | 5 | 21 | 5 | 11.7 | 153.9 | -9.2 | 80.7 | 997.5 |
| 01/08/2022 | 05:45:00 - 06:00:00 | 4 | 6 | 5 | 21 | 5 | 10.8 | 155.6 | -9.0 | 79.4 | 997.3 |
| 01/08/2022 | 06:00:00 - 06:15:00 | 4 | 6 | 5 | 21 | 5 | 13.9 | 148.3 | -9.0 | 79.7 | 997.0 |
| 01/08/2022 | 06:15:00 - 06:30:00 | 4 | 6 | 5 | 21 | 5 | 10.6 | 156.9 | -8.9 | 79.7 | 997.1 |
| 01/08/2022 | 06:30:00 - 06:45:00 | 4 | 6 | 5 | 21 | 5 | 11.0 | 151.8 | -8.8 | 79.0 | 996.9 |
| 01/08/2022 | 06:45:00 - 07:00:00 | 4 | 6 | 5 | 21 | 5 | 12.9 | 149.4 | -8.9 | 79.8 | 996.7 |
| 01/08/2022 | 07:00:00 - 07:15:00 | 4 | 6 | 5 | 21 | 5 | 10.8 | 154.9 | -8.9 | 80.0 | 996.4 |
| 01/08/2022 | 07:15:00 - 07:30:00 | 4 | 6 | 6 | 22 | 5 | 12.4 | 152.4 | -8.9 | 80.0 | 996.2 |
| 01/08/2022 | 07:30:00 - 07:45:00 | 4 | 6 | 6 | 22 | 5 | 11.8 | 155.4 | -8.7 | 80.0 | 996.3 |
| 01/08/2022 | 07:45:00 - 08:00:00 | 4 | 6 | 6 | 22 | 5 | 11.0 | 154.7 | -8.3 | 78.5 | 996.1 |
| 01/08/2022 | 08:00:00 - 08:15:00 | 4 | 6 | 6 | 22 | 5 | 10.4 | 147.8 | -8.0 | 77.4 | 995.9 |
| 01/08/2022 | 08:15:00 - 08:30:00 | 4 | 6 | 6 | 22 | 5 | 11.7 | 150.9 | -7.7 | 76.7 | 995.7 |
| 01/08/2022 | 08:30:00 - 08:45:00 | 5 | 6 | 6 | 22 | 5 | 11.6 | 152.5 | -7.4 | 76.0 | 995.7 |
| 01/08/2022 | 08:45:00 - 09:00:00 | 5 | 6 | 6 | 22 | 5 | 10.3 | 155.8 | -7.0 | 76.0 | 995.6 |
| 01/08/2022 | 09:00:00 - 09:15:00 | 5 | 6 | 6 | 23 | 5 | 11.3 | 150.5 | -6.5 | 75.4 | 995.4 |
| 01/08/2022 | 09:15:00 - 09:30:00 | 5 | 6 | 6 | 23 | 5 | 11.6 | 153.5 | -6.1 | 74.3 | 995.4 |
| 01/08/2022 | 09:30:00 - 09:45:00 | 5 | 6 | 6 | 23 | 5 | 11.2 | 154.0 | -5.9 | 74.0 | 995.3 |
| 01/08/2022 | 09:45:00 - 10:00:00 | 5 | 6 | 6 | 23 | 5 | 10.6 | 154.2 | -5.6 | 73.9 | 995.2 |
| 01/08/2022 | 10:00:00 - 10:15:00 | 5 | 6 | 6 | 23 | 5 | 10.0 | 153.6 | -5.3 | 72.9 | 995.1 |
| 01/08/2022 | 10:15:00 - 10:30:00 | 5 | 6 | 6 | 23 | 5 | 10.5 | 155.7 | -4.9 | 71.9 | 994.7 |
| 01/08/2022 | 10:30:00 - 10:45:00 | 5 | 6 | 6 | 23 | 5 | 11.4 | 154.6 | -4.7 | 71.8 | 994.6 |
| 01/08/2022 | 10:45:00 - 11:00:00 | 5 | 6 | 6 | 23 | 5 | 10.3 | 153.7 | -4.6 | 72.0 | 994.2 |
| 01/08/2022 | 11:00:00 - 11:15:00 | 5 | 6 | 6 | 23 | 5 | 10.3 | 156.1 | -4.3 | 72.8 | 993.7 |
| 01/08/2022 | 11:15:00 - 11:30:00 | 5 | 6 | 6 | 23 | 5 | 9.3 | 152.5 | -4.1 | 73.7 | 993.3 |
| 01/08/2022 | 11:30:00 - 11:45:00 | 5 | 6 | 6 | 23 | 6 | 10.4 | 153.3 | -3.9 | 73.7 | 992.9 |
| 01/08/2022 | 11:45:00 - 12:00:00 | 5 | 6 | 6 | 23 | 6 | 9.1 | 151.8 | -3.8 | 75.0 | 992.8 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 01/08/2022 | 12:00:00 - 12:15:00 | 5 | 6 | 6 | 23 | 6 | 8.2 | 151.1 | -3.8 | 82.1 | 992.5 |
| 01/08/2022 | 12:15:00 - 12:30:00 | 5 | 6 | 6 | 23 | 6 | 9.8 | 152.5 | -3.7 | 86.8 | 991.9 |
| 01/08/2022 | 12:30:00 - 12:45:00 | 5 | 6 | 6 | 23 | 6 | 10.2 | 145.4 | -3.4 | 86.1 | 991.6 |
| 01/08/2022 | 12:45:00 - 13:00:00 | 5 | 6 | 6 | 24 | 6 | 9.0 | 146.9 | -3.0 | 85.5 | 991.4 |
| 01/08/2022 | 13:00:00 - 13:15:00 | 5 | 6 | 6 | 24 | 6 | 8.5 | 150.1 | -2.8 | 88.2 | 991.3 |
| 01/08/2022 | 13:15:00 - 13:30:00 | 5 | 6 | 6 | 24 | 6 | 8.9 | 150.9 | -2.6 | 90.3 | 991.0 |
| 01/08/2022 | 13:30:00 - 13:45:00 | 5 | 6 | 6 | 24 | 6 | 9.3 | 152.9 | -2.5 | 91.2 | 990.7 |
| 01/08/2022 | 13:45:00 - 14:00:00 | 5 | 6 | 6 | 24 | 6 | 9.6 | 144.7 | -2.2 | 91.9 | 990.6 |
| 01/08/2022 | 14:00:00 - 14:15:00 | 5 | 6 | 6 | 24 | 6 | 8.3 | 146.1 | -2.2 | 92.0 | 990.6 |
| 01/08/2022 | 14:15:00 - 14:30:00 | 5 | 6 | 6 | 24 | 6 | 7.2 | 140.1 | -2.1 | 92.6 | 990.4 |
| 01/08/2022 | 14:30:00 - 14:45:00 | 5 | 6 | 6 | 24 | 6 | 8.3 | 146.4 | -2.0 | 93.8 | 990.1 |
| 01/08/2022 | 14:45:00 - 15:00:00 | 5 | 6 | 6 | 24 | 6 | 7.9 | 140.8 | -1.9 | 94.0 | 989.8 |
| 01/08/2022 | 15:00:00 - 15:15:00 | 5 | 6 | 6 | 24 | 6 | 8.0 | 147.9 | -1.7 | 94.1 | 990.0 |
| 01/08/2022 | 15:15:00 - 15:30:00 | 5 | 6 | 6 | 24 | 6 | 9.2 | 152.8 | -1.4 | 94.4 | 990.1 |
| 01/08/2022 | 15:30:00 - 15:45:00 | 5 | 6 | 6 | 24 | 6 | 8.7 | 148.1 | -1.2 | 94.7 | 990.0 |
| 01/08/2022 | 15:45:00 - 16:00:00 | 5 | 6 | 6 | 25 | 6 | 7.5 | 147.4 | -1.0 | 93.9 | 990.0 |
| 01/08/2022 | 16:00:00 - 16:15:00 | 5 | 6 | 6 | 25 | 6 | 7.4 | 143.1 | -1.0 | 93.1 | 989.6 |
| 01/08/2022 | 16:15:00 - 16:30:00 | 5 | 6 | 6 | 25 | 6 | 8.0 | 152.9 | -1.0 | 92.6 | 989.9 |
| 01/08/2022 | 16:30:00 - 16:45:00 | 5 | 6 | 6 | 25 | 6 | 7.0 | 143.9 | -0.9 | 94.4 | 990.1 |
| 01/08/2022 | 16:45:00 - 17:00:00 | 5 | 6 | 6 | 25 | 6 | 9.2 | 153.3 | -0.7 | 95.5 | 990.2 |
| 01/08/2022 | 17:00:00 - 17:15:00 | 5 | 6 | 6 | 25 | 6 | 11.4 | 149.3 | -0.6 | 96.0 | 990.2 |
| 01/08/2022 | 17:15:00 - 17:30:00 | 5 | 6 | 6 | 25 | 6 | 7.3 | 140.8 | -0.4 | 97.0 | 990.0 |
| 01/08/2022 | 17:30:00 - 17:45:00 | 5 | 6 | 6 | 25 | 6 | 7.6 | 144.7 | -0.3 | 97.0 | 989.7 |
| 01/08/2022 | 17:45:00 - 18:00:00 | 5 | 6 | 6 | 25 | 6 | 7.4 | 148.6 | -0.2 | 97.0 | 989.3 |
| 01/08/2022 | 18:00:00 - 18:15:00 | 5 | 6 | 6 | 25 | 6 | 6.7 | 142.0 | -0.1 | 96.5 | 989.5 |
| 01/08/2022 | 18:15:00 - 18:30:00 | 5 | 6 | 6 | 26 | 6 | 6.9 | 136.9 | 0.0 | 96.8 | 989.7 |
| 01/08/2022 | 18:30:00 - 18:45:00 | 5 | 6 | 6 | 26 | 6 | 8.6 | 135.3 | 0.1 | 97.9 | 989.4 |
| 01/08/2022 | 18:45:00 - 19:00:00 | 5 | 6 | 6 | 26 | 6 | 9.4 | 150.3 | 0.2 | 98.3 | 989.3 |
| 01/08/2022 | 19:00:00 - 19:15:00 | 5 | 6 | 6 | 26 | 6 | 10.7 | 151.7 | 0.3 | 99.0 | 989.2 |
| 01/08/2022 | 19:15:00 - 19:30:00 | 5 | 6 | 6 | 26 | 6 | 9.0 | 149.3 | 0.4 | 99.0 | 989.3 |
| 01/08/2022 | 19:30:00 - 19:45:00 | 5 | 6 | 6 | 26 | 6 | 10.2 | 150.1 | 0.6 | 99.0 | 989.4 |
| 01/08/2022 | 19:45:00 - 20:00:00 | 5 | 6 | 6 | 26 | 6 | 7.5 | 131.8 | 1.0 | 98.6 | 989.4 |
| 01/08/2022 | 20:00:00 - 20:15:00 | 5 | 6 | 6 | 26 | 6 | 7.9 | 137.1 | 1.2 | 98.0 | 989.2 |
| 01/08/2022 | 20:15:00 - 20:30:00 | 5 | 6 | 6 | 26 | 6 | 8.2 | 132.7 | 1.4 | 98.3 | 989.2 |
| 01/08/2022 | 20:30:00 - 20:45:00 | 5 | 6 | 6 | 27 | 6 | 8.3 | 131.5 | 1.7 | 98.4 | 989.0 |
| 01/08/2022 | 20:45:00 - 21:00:00 | 5 | 6 | 6 | 27 | 6 | 12.9 | 138.5 | 2.0 | 98.5 | 989.2 |
| 01/08/2022 | 21:00:00 - 21:15:00 | 5 | 6 | 6 | 27 | 6 | 11.9 | 142.6 | 2.1 | 98.0 | 989.1 |
| 01/08/2022 | 21:15:00 - 21:30:00 | 5 | 6 | 6 | 27 | 6 | 10.5 | 129.7 | 2.2 | 98.1 | 989.1 |
| 01/08/2022 | 21:30:00 - 21:45:00 | 5 | 6 | 6 | 27 | 6 | 13.9 | 136.2 | 2.2 | 98.9 | 989.3 |
| 01/08/2022 | 21:45:00 - 22:00:00 | 5 | 6 | 7 | 27 | 6 | 13.9 | 135.7 | 2.2 | 99.0 | 989.3 |
| 01/08/2022 | 22:00:00 - 22:15:00 | 5 | 6 | 7 | 27 | 7 | 12.0 | 136.4 | 2.3 | 99.8 | 989.2 |
| 01/08/2022 | 22:15:00 - 22:30:00 | 5 | 6 | 7 | 27 | 7 | 13.2 | 124.3 | 2.3 | 100.0 | 989.2 |
| 01/08/2022 | 22:30:00 - 22:45:00 | 5 | 6 | 7 | 27 | 7 | 14.4 | 137.6 | 2.3 | 100.0 | 989.0 |
| 01/08/2022 | 22:45:00 - 23:00:00 | 5 | 6 | 7 | 27 | 7 | 13.6 | 145.3 | 2.4 | 100.0 | 989.2 |
| 01/08/2022 | 23:00:00 - 23:15:00 | 5 | 6 | 7 | 27 | 7 | 14.8 | 131.3 | 2.5 | 100.0 | 989.3 |
| 01/08/2022 | 23:15:00 - 23:30:00 | 5 | 6 | 7 | 27 | 7 | 12.6 | 129.0 | 2.7 | 100.0 | 989.4 |
| 01/08/2022 | 23:30:00 - 23:45:00 | 5 | 6 | 7 | 27 | 7 | 11.8 | 134.1 | 2.9 | 100.0 | 989.3 |
| 01/09/2022 | 23:45:00 - 00:00:00 | 5 | 6 | 7 | Offline | 7 | 12.2 | 145.3 | 2.9 | 100.0 | 989.2 |
| 01/09/2022 | 00:00:00 - 00:15:00 | 5 | 6 | 7 | Offline | 7 | 12.0 | 134.6 | 2.9 | 100.0 | 989.2 |
| 01/09/2022 | 00:15:00 - 00:30:00 | 5 | 6 | 7 | Offline | 7 | 12.2 | 142.3 | 3.0 | 100.0 | 989.1 |
| 01/09/2022 | 00:30:00 - 00:45:00 | 5 | 6 | 7 | Offline | 7 | 13.8 | 123.6 | 3.2 | 100.0 | 988.9 |
| 01/09/2022 | 00:45:00 - 01:00:00 | 5 | 6 | 7 | Offline | 7 | 15.1 | 118.3 | 3.4 | 100.0 | 988.8 |
| 01/09/2022 | 01:00:00 - 01:15:00 | 5 | 6 | 7 | Offline | 7 | 15.9 | 111.3 | 3.7 | 100.0 | 988.9 |
| 01/09/2022 | 01:15:00 - 01:30:00 | 5 | 6 | 7 | Offline | 7 | 14.8 | 133.2 | 3.8 | 100.0 | 988.9 |
| 01/09/2022 | 01:30:00 - 01:45:00 | 5 | 6 | 7 | Offline | 7 | 12.0 | 123.2 | 3.8 | 100.0 | 989.0 |
| 01/09/2022 | 01:45:00 - 02:00:00 | 5 | 6 | 7 | Offline | 7 | 9.4 | 108.2 | 3.7 | 100.0 | 989.2 |
| 01/09/2022 | 02:00:00 - 02:15:00 | 5 | 6 | 7 | Offline | 7 | 10.0 | 88.2 | 3.6 | 100.0 | 989.5 |
| 01/09/2022 | 02:15:00 - 02:30:00 | 5 | 6 | 7 | Offline | 7 | 12.8 | 82.5 | 3.5 | 100.0 | 990.1 |
| 01/09/2022 | 02:30:00 - 02:45:00 | 5 | 6 | 7 | Offline | 7 | 15.4 | 87.3 | 3.4 | 100.0 | 990.4 |
| 01/09/2022 | 02:45:00 - 03:00:00 | 5 | 6 | 7 | Offline | 7 | 13.4 | 96.2 | 3.4 | 100.0 | 990.3 |
| 01/09/2022 | 03:00:00 - 03:15:00 | 5 | 6 | 7 | Offline | 7 | 13.4 | 88.7 | 3.4 | 100.0 | 990.5 |
| 01/09/2022 | 03:15:00 - 03:30:00 | 5 | 6 | 7 | Offline | 7 | 15.0 | 74.4 | 3.3 | 100.0 | 990.5 |
| 01/09/2022 | 03:30:00 - 03:45:00 | 5 | 6 | 7 | Offline | 7 | 19.2 | 65.8 | 3.0 | 100.0 | 990.8 |
| 01/09/2022 | 03:45:00 - 04:00:00 | 5 | 6 | 7 | Offline | 7 | 17.6 | 53.6 | 2.7 | 100.0 | 990.9 |
| 01/09/2022 | 04:00:00 - 04:15:00 | 5 | 6 | 7 | Offline | 7 | 14.8 | 49.4 | 2.4 | 100.0 | 991.1 |
| 01/09/2022 | 04:15:00 - 04:30:00 | 5 | 6 | 7 | Offline | 7 | 16.0 | 47.8 | 2.2 | 100.0 | 991.4 |
| 01/09/2022 | 04:30:00 - 04:45:00 | 5 | 6 | 7 | Offline | 7 | 18.1 | 36.7 | 2.0 | 99.8 | 992.0 |
| 01/09/2022 | 04:45:00 - 05:00:00 | 5 | 6 | 7 | Offline | 7 | 14.8 | 44.3 | 1.6 | 98.9 | 992.5 |
| 01/09/2022 | 05:00:00 - 05:15:00 | 5 | 6 | 7 | Offline | 7 | 16.1 | 40.6 | 1.3 | 97.6 | 992.7 |
| 01/09/2022 | 05:15:00 - 05:30:00 | 5 | 6 | 7 | Offline | 7 | 16.5 | 39.2 | 1.0 | 96.2 | 993.1 |
| 01/09/2022 | 05:30:00 - 05:45:00 | 5 | 7 | 7 | Offline | 7 | 17.1 | 32.9 | 0.8 | 95.3 | 993.2 |
| 01/09/2022 | 05:45:00 - 06:00:00 | 5 | 7 | 7 | Offline | 7 | 12.7 | 38.6 | 0.7 | 95.6 | 993.6 |
| 01/09/2022 | 06:00:00 - 06:15:00 | 6 | 7 | 7 | Offline | 7 | 15.2 | 37.7 | 0.6 | 95.1 | 994.0 |
| 01/09/2022 | 06:15:00 - 06:30:00 | 6 | 7 | 7 | Offline | 7 | 12.6 | 45.7 | 0.5 | 94.8 | 994.7 |
| 01/09/2022 | 06:30:00 - 06:45:00 | 6 | 7 | 7 | Offline | 7 | 16.3 | 39.9 | 0.5 | 94.5 | 995.2 |
| 01/09/2022 | 06:45:00 - 07:00:00 | 6 | 7 | 7 | Offline | 7 | 17.9 | 40.3 | 0.4 | 94.0 | 995.3 |
| 01/09/2022 | 07:00:00 - 07:15:00 | 6 | 7 | 7 | Offline | 7 | 15.6 | 46.9 | 0.3 | 93.5 | 995.6 |
| 01/09/2022 | 07:15:00 - 07:30:00 | 6 | 7 | 7 | Offline | 7 | 16.1 | 36.9 | 0.2 | 93.0 | 996.0 |
| 01/09/2022 | 07:30:00 - 07:45:00 | 6 | 7 | 7 | Offline | 7 | 17.0 | 40.8 | 0.1 | 92.8 | 996.3 |
| 01/09/2022 | 07:45:00 - 08:00:00 | 6 | 7 | 7 | Offline | 7 | 19.5 | 33.9 | -0.1 | 92.0 | 996.8 |
| 01/09/2022 | 08:00:00 - 08:15:00 | 6 | 7 | 7 | Offline | 7 | 19.4 | 37.7 | -0.6 | 91.4 | 997.4 |
| 01/09/2022 | 08:15:00 - 08:30:00 | 6 | 7 | 7 | Offline | 7 | 17.5 | 44.5 | -1.1 | 90.5 | 998.0 |
| 01/09/2022 | 08:30:00 - 08:45:00 | 6 | 7 | 7 | Offline | 7 | 16.2 | 45.0 | -1.5 | 89.0 | 998.7 |
| 01/09/2022 | 08:45:00 - 09:00:00 | 6 | 7 | 7 | Offline | 7 | 14.7 | 44.4 | -1.5 | 87.5 | 999.2 |
| 01/09/2022 | 09:00:00 - 09:15:00 | 6 | 7 | 7 | Offline | 7 | 14.9 | 53.3 | -1.6 | 84.9 | 999.6 |
| 01/09/2022 | 09:15:00 - 09:30:00 | 6 | 7 | 7 | Offline | 7 | 17.5 | 49.3 | -2.0 | 79.0 | 1000.1 |
| 01/09/2022 | 09:30:00 - 09:45:00 | 6 | 7 | 7 | Offline | 7 | 17.2 | 39.3 | -2.2 | 75.2 | 1000.7 |
| 01/09/2022 | 09:45:00 - 10:00:00 | 6 | 7 | 7 | Offline | 7 | 16.7 | 42.8 | -2.6 | 76.7 | 1001.1 |
| 01/09/2022 | 10:00:00 - 10:15:00 | 6 | 7 | 7 | Offline | 7 | 18.9 | 42.6 | -3.3 | 72.7 | 1001.3 |
| 01/09/2022 | 10:15:00 - 10:30:00 | 6 | 7 | 7 | Offline | 7 | 21.4 | 32.1 | -3.6 | 69.7 | 1001.5 |
| 01/09/2022 | 10:30:00 - 10:45:00 | 6 | 7 | 7 | Offline | 7 | 14.6 | 48.2 | -3.7 | 71.2 | 1001.7 |
| 01/09/2022 | 10:45:00 - 11:00:00 | 6 | 7 | 7 | Offline | 7 | 17.1 | 33.1 | -4.0 | 70.9 | 1001.8 |
| 01/09/2022 | 11:00:00 - 11:15:00 | 6 | 7 | 7 | Offline | 7 | 21.5 | 30.2 | -4.1 | 68.7 | 1001.9 |
| 01/09/2022 | 11:15:00 - 11:30:00 | 6 | 7 | 7 | Offline | 7 | 19.0 | 24.0 | -3.7 | 67.1 | 1001.9 |
| 01/09/2022 | 11:30:00 - 11:45:00 | 6 | 7 | 7 | Offline | 7 | 17.3 | 27.1 | -3.5 | 65.9 | 1002.0 |
| 01/09/2022 | 11:45:00 - 12:00:00 | 6 | 7 | 7 | Offline | 7 | 16.9 | 34.8 | -3.3 | 66.9 | 1002.0 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 01/09/2022 | 12:00:00 - 12:15:00 | 6 | 7 | 7 | Offline | 7 | 18.4 | 33.3 | -3.5 | 64.5 | 1002.4 |
| 01/09/2022 | 12:15:00 - 12:30:00 | 6 | 7 | 7 | Offline | 7 | 17.2 | 36.2 | -3.7 | 64.5 | 1002.6 |
| 01/09/2022 | 12:30:00 - 12:45:00 | 6 | 7 | 7 | Offline | 7 | 19.3 | 34.4 | -4.4 | 62.7 | 1002.9 |
| 01/09/2022 | 12:45:00 - 13:00:00 | 6 | 7 | 7 | Offline | 7 | 17.5 | 29.2 | -4.3 | 64.9 | 1002.9 |
| 01/09/2022 | 13:00:00 - 13:15:00 | 6 | 7 | 7 | Offline | 7 | 15.9 | 36.8 | -4.2 | 64.2 | 1002.9 |
| 01/09/2022 | 13:15:00 - 13:30:00 | 6 | 7 | 7 | Offline | 7 | 17.4 | 37.9 | -4.1 | 61.3 | 1003.0 |
| 01/09/2022 | 13:30:00 - 13:45:00 | 6 | 7 | 7 | Offline | 7 | 14.5 | 38.4 | -4.3 | 62.5 | 1003.2 |
| 01/09/2022 | 13:45:00 - 14:00:00 | 6 | 7 | 7 | Offline | 7 | 19.7 | 37.9 | -3.9 | 60.7 | 1003.5 |
| 01/09/2022 | 14:00:00 - 14:15:00 | 6 | 7 | 7 | Offline | 7 | 15.5 | 31.9 | -3.4 | 60.2 | 1003.8 |
| 01/09/2022 | 14:15:00 - 14:30:00 | 6 | 7 | 7 | Offline | 7 | 16.6 | 33.5 | -3.6 | 59.6 | 1004.1 |
| 01/09/2022 | 14:30:00 - 14:45:00 | 6 | 7 | 7 | Offline | 7 | 16.4 | 35.2 | -4.1 | 58.7 | 1004.3 |
| 01/09/2022 | 14:45:00 - 15:00:00 | 6 | 7 | 7 | Offline | 7 | 15.8 | 38.1 | -4.3 | 60.2 | 1004.6 |
| 01/09/2022 | 15:00:00 - 15:15:00 | 6 | 7 | 7 | Offline | 7 | 11.9 | 34.5 | -4.5 | 61.5 | 1004.9 |
| 01/09/2022 | 15:15:00 - 15:30:00 | 6 | 7 | 7 | Offline | 7 | 14.6 | 26.4 | -5.1 | 63.5 | 1005.1 |
| 01/09/2022 | 15:30:00 - 15:45:00 | 6 | 7 | 7 | Offline | 7 | 14.7 | 40.1 | -5.5 | 62.9 | 1005.2 |
| 01/09/2022 | 15:45:00 - 16:00:00 | 6 | 7 | 7 | Offline | 7 | 15.9 | 37.5 | -5.8 | 62.4 | 1005.2 |
| 01/09/2022 | 16:00:00 - 16:15:00 | 6 | 7 | 7 | Offline | 7 | 15.2 | 26.1 | -6.2 | 60.3 | 1005.3 |
| 01/09/2022 | 16:15:00 - 16:30:00 | 6 | 7 | 7 | Offline | 7 | 14.6 | 39.2 | -6.6 | 64.6 | 1005.7 |
| 01/09/2022 | 16:30:00 - 16:45:00 | 6 | 7 | 7 | Offline | 7 | 13.4 | 34.4 | -7.1 | 63.5 | 1005.7 |
| 01/09/2022 | 16:45:00 - 17:00:00 | 6 | 7 | 7 | Offline | 7 | 8.6 | 51.6 | -7.3 | 66.6 | 1005.8 |
| 01/09/2022 | 17:00:00 - 17:15:00 | 6 | 7 | 7 | Offline | 7 | 9.0 | 55.2 | -7.6 | 65.5 | 1006.0 |
| 01/09/2022 | 17:15:00 - 17:30:00 | 5 | 7 | 7 | Offline | 7 | 10.5 | 52.4 | -7.9 | 62.5 | 1006.3 |
| 01/09/2022 | 17:30:00 - 17:45:00 | 5 | 7 | 7 | Offline | 7 | 10.2 | 53.9 | -8.0 | 65.4 | 1006.6 |
| 01/09/2022 | 17:45:00 - 18:00:00 | 5 | 7 | 7 | Offline | 7 | 10.2 | 59.4 | -8.1 | 66.6 | 1006.8 |
| 01/09/2022 | 18:00:00 - 18:15:00 | 5 | 7 | 7 | Offline | 7 | 10.8 | 69.9 | -8.2 | 67.7 | 1007.1 |
| 01/09/2022 | 18:15:00 - 18:30:00 | 5 | 7 | 7 | Offline | 7 | 11.1 | 69.6 | -8.3 | 67.3 | 1007.5 |
| 01/09/2022 | 18:30:00 - 18:45:00 | 5 | 7 | 7 | Offline | 7 | 9.2 | 67.4 | -8.5 | 66.4 | 1007.9 |
| 01/09/2022 | 18:45:00 - 19:00:00 | 5 | 7 | 7 | Offline | 7 | 9.9 | 78.7 | -8.6 | 69.0 | 1008.2 |
| 01/09/2022 | 19:00:00 - 19:15:00 | 5 | 7 | 7 | Offline | 7 | 9.3 | 86.3 | -8.8 | 71.6 | 1008.3 |
| 01/09/2022 | 19:15:00 - 19:30:00 | 5 | 7 | 7 | Offline | 7 | 9.3 | 81.5 | -8.8 | 70.6 | 1008.5 |
| 01/09/2022 | 19:30:00 - 19:45:00 | 5 | 7 | 7 | Offline | 7 | 10.4 | 82.6 | -8.9 | 68.0 | 1008.5 |
| 01/09/2022 | 19:45:00 - 20:00:00 | 5 | 7 | 7 | Offline | 7 | 8.0 | 87.9 | -9.0 | 67.4 | 1008.5 |
| 01/09/2022 | 20:00:00 - 20:15:00 | 5 | 7 | 7 | Offline | 7 | 8.3 | 72.6 | -9.0 | 66.8 | 1008.4 |
| 01/09/2022 | 20:15:00 - 20:30:00 | 5 | 7 | 7 | Offline | 7 | 9.2 | 73.6 | -9.1 | 67.1 | 1008.5 |
| 01/09/2022 | 20:30:00 - 20:45:00 | 5 | 7 | 7 | Offline | 7 | 9.4 | 75.2 | -9.2 | 66.7 | 1008.6 |
| 01/09/2022 | 20:45:00 - 21:00:00 | 5 | 7 | 7 | Offline | 7 | 8.1 | 84.8 | -9.4 | 68.0 | 1008.7 |
| 01/09/2022 | 21:00:00 - 21:15:00 | 5 | 7 | 7 | Offline | 7 | 10.6 | 72.9 | -9.4 | 70.2 | 1008.9 |
| 01/09/2022 | 21:15:00 - 21:30:00 | 5 | 7 | 7 | Offline | 7 | 7.5 | 89.1 | -9.6 | 73.2 | 1009.0 |
| 01/09/2022 | 21:30:00 - 21:45:00 | 5 | 7 | 7 | Offline | 7 | 11.5 | 80.6 | -9.7 | 73.2 | 1008.9 |
| 01/09/2022 | 21:45:00 - 22:00:00 | 5 | 7 | 7 | Offline | 7 | 9.7 | 79.6 | -9.8 | 73.7 | 1008.8 |
| 01/09/2022 | 22:00:00 - 22:15:00 | 5 | 7 | 7 | Offline | 7 | 9.3 | 93.6 | -9.9 | 75.0 | 1008.9 |
| 01/09/2022 | 22:15:00 - 22:30:00 | 5 | 7 | 7 | Offline | 7 | 9.1 | 95.8 | -10.0 | 76.0 | 1008.9 |
| 01/09/2022 | 22:30:00 - 22:45:00 | 5 | 7 | 7 | Offline | 7 | 10.4 | 98.4 | -10.1 | 76.0 | 1008.9 |
| 01/09/2022 | 22:45:00 - 23:00:00 | 5 | 7 | 7 | Offline | 7 | 8.1 | 98.5 | -10.2 | 76.1 | 1008.8 |
| 01/09/2022 | 23:00:00 - 23:15:00 | 5 | 7 | 7 | Offline | 7 | 8.7 | 95.1 | -10.3 | 76.0 | 1008.8 |
| 01/09/2022 | 23:15:00 - 23:30:00 | 5 | 7 | 7 | Offline | 7 | 6.9 | 97.9 | -10.4 | 76.2 | 1008.8 |
| 01/09/2022 | 23:30:00 - 23:45:00 | 5 | 6 | 7 | Offline | 7 | 6.7 | 108.8 | -10.5 | 77.0 | 1008.6 |
| 01/10/2022 | 23:45:00 - 00:00:00 | 5 | 6 | 7 | Offline | 7 | 6.9 | 113.1 | -10.6 | 77.0 | 1008.4 |
| 01/10/2022 | 00:00:00 - 00:15:00 | 5 | 6 | 6 | Offline | 7 | 6.3 | 103.2 | -10.7 | 77.7 | 1008.0 |
| 01/10/2022 | 00:15:00 - 00:30:00 | 5 | 6 | 6 | Offline | 7 | 7.3 | 95.6 | -10.7 | 78.1 | 1008.1 |
| 01/10/2022 | 00:30:00 - 00:45:00 | 5 | 6 | 6 | Offline | 7 | 5.4 | 100.1 | -10.8 | 79.0 | 1008.0 |
| 01/10/2022 | 00:45:00 - 01:00:00 | 5 | 7 | 6 | Offline | 7 | 5.6 | 99.4 | -10.8 | 79.0 | 1007.9 |
| 01/10/2022 | 01:00:00 - 01:15:00 | 5 | 7 | 6 | Offline | 7 | 6.1 | 100.3 | -10.8 | 79.0 | 1007.7 |
| 01/10/2022 | 01:15:00 - 01:30:00 | 5 | 7 | 6 | Offline | 7 | 5.5 | 98.3 | -10.9 | 79.0 | 1007.6 |
| 01/10/2022 | 01:30:00 - 01:45:00 | 5 | 7 | 6 | Offline | 7 | 5.9 | 86.8 | -10.9 | 79.0 | 1007.8 |
| 01/10/2022 | 01:45:00 - 02:00:00 | 5 | 7 | 6 | Offline | 7 | 6.3 | 94.6 | -10.9 | 79.1 | 1007.8 |
| 01/10/2022 | 02:00:00 - 02:15:00 | 5 | 7 | 6 | Offline | 6 | 7.4 | 83.8 | -10.8 | 79.0 | 1007.9 |
| 01/10/2022 | 02:15:00 - 02:30:00 | 5 | 7 | 6 | Offline | 6 | 6.2 | 98.6 | -10.6 | 78.7 | 1007.7 |
| 01/10/2022 | 02:30:00 - 02:45:00 | 5 | 7 | 6 | Offline | 6 | 7.4 | 106.8 | -10.5 | 78.1 | 1007.6 |
| 01/10/2022 | 02:45:00 - 03:00:00 | 5 | 7 | 6 | Offline | 6 | 7.3 | 106.1 | -10.3 | 77.9 | 1007.4 |
| 01/10/2022 | 03:00:00 - 03:15:00 | 5 | 7 | 6 | Offline | 6 | 5.7 | 109.7 | -10.1 | 77.1 | 1007.1 |
| 01/10/2022 | 03:15:00 - 03:30:00 | 5 | 7 | 6 | Offline | 6 | 6.5 | 113.7 | -10.0 | 76.6 | 1006.9 |
| 01/10/2022 | 03:30:00 - 03:45:00 | 5 | 7 | 6 | Offline | 6 | 5.6 | 105.9 | -9.9 | 76.4 | 1007.0 |
| 01/10/2022 | 03:45:00 - 04:00:00 | 5 | 7 | 6 | Offline | 6 | 5.0 | 103.5 | -9.8 | 76.2 | 1006.9 |
| 01/10/2022 | 04:00:00 - 04:15:00 | 5 | 7 | 6 | Offline | 6 | 4.5 | 106.1 | -9.7 | 76.4 | 1006.7 |
| 01/10/2022 | 04:15:00 - 04:30:00 | 5 | 7 | 6 | Offline | 6 | 4.7 | 131.0 | -9.8 | 76.6 | 1006.3 |
| 01/10/2022 | 04:30:00 - 04:45:00 | 5 | 7 | 6 | Offline | 6 | 4.8 | 138.1 | -9.8 | 76.3 | 1005.9 |
| 01/10/2022 | 04:45:00 - 05:00:00 | 5 | 7 | 6 | Offline | 6 | 5.6 | 149.9 | -10.0 | 77.5 | 1005.9 |
| 01/10/2022 | 05:00:00 - 05:15:00 | 5 | 7 | 6 | Offline | 6 | 4.6 | 139.6 | -10.2 | 78.7 | 1005.9 |
| 01/10/2022 | 05:15:00 - 05:30:00 | 5 | 7 | 6 | Offline | 6 | 5.4 | 133.7 | -10.2 | 79.9 | 1006.2 |
| 01/10/2022 | 05:30:00 - 05:45:00 | 5 | 7 | 6 | Offline | 6 | 6.2 | 147.7 | -10.0 | 80.8 | 1006.3 |
| 01/10/2022 | 05:45:00 - 06:00:00 | 5 | 6 | 6 | Offline | 6 | 6.0 | 148.5 | -10.1 | 81.0 | 1006.2 |
| 01/10/2022 | 06:00:00 - 06:15:00 | 5 | 6 | 6 | Offline | 6 | 6.8 | 152.0 | -10.3 | 80.5 | 1006.1 |
| 01/10/2022 | 06:15:00 - 06:30:00 | 5 | 6 | 6 | Offline | 6 | 8.3 | 159.3 | -10.2 | 80.0 | 1005.8 |
| 01/10/2022 | 06:30:00 - 06:45:00 | 5 | 6 | 6 | Offline | 6 | 8.7 | 158.4 | -10.0 | 80.2 | 1005.6 |
| 01/10/2022 | 06:45:00 - 07:00:00 | 5 | 6 | 6 | Offline | 6 | 9.3 | 151.4 | -10.0 | 78.5 | 1005.7 |
| 01/10/2022 | 07:00:00 - 07:15:00 | 5 | 6 | 6 | Offline | 6 | 7.5 | 150.5 | -9.9 | 78.4 | 1005.8 |
| 01/10/2022 | 07:15:00 - 07:30:00 | 5 | 6 | 6 | Offline | 6 | 8.2 | 151.0 | -9.8 | 78.6 | 1005.8 |
| 01/10/2022 | 07:30:00 - 07:45:00 | 5 | 6 | 6 | Offline | 6 | 8.3 | 153.9 | -9.7 | 78.1 | 1005.8 |
| 01/10/2022 | 07:45:00 - 08:00:00 | 5 | 6 | 6 | Offline | 6 | 7.8 | 158.3 | -9.5 | 77.5 | 1005.8 |
| 01/10/2022 | 08:00:00 - 08:15:00 | 5 | 6 | 6 | Offline | 6 | 9.8 | 154.8 | -9.2 | 75.6 | 1005.5 |
| 01/10/2022 | 08:15:00 - 08:30:00 | 5 | 6 | 6 | Offline | 6 | 10.5 | 147.5 | -8.9 | 73.8 | 1005.4 |
| 01/10/2022 | 08:30:00 - 08:45:00 | 5 | 6 | 6 | Offline | 6 | 10.4 | 149.5 | -8.5 | 72.1 | 1005.0 |
| 01/10/2022 | 08:45:00 - 09:00:00 | 5 | 6 | 6 | Offline | 6 | 11.9 | 145.2 | -8.1 | 69.8 | 1004.7 |
| 01/10/2022 | 09:00:00 - 09:15:00 | 5 | 6 | 6 | Offline | 6 | 8.4 | 144.7 | -7.5 | 69.4 | 1004.9 |
| 01/10/2022 | 09:15:00 - 09:30:00 | 5 | 6 | 6 | Offline | 6 | 9.2 | 125.3 | -6.6 | 66.4 | 1005.3 |
| 01/10/2022 | 09:30:00 - 09:45:00 | 5 | 6 | 6 | Offline | 6 | 10.0 | 115.2 | -5.8 | 63.3 | 1005.5 |
| 01/10/2022 | 09:45:00 - 10:00:00 | 5 | 6 | 6 | 32 | 6 | 11.6 | 106.7 | -5.3 | 63.0 | 1005.6 |
| 01/10/2022 | 10:00:00 - 10:15:00 | 5 | 6 | 6 | 21 | 6 | 13.2 | 88.6 | -5.0 | 63.1 | 1005.5 |
| 01/10/2022 | 10:15:00 - 10:30:00 | 5 | 6 | 6 | 19 | 5 | 13.8 | 66.7 | -4.6 | 61.3 | 1005.5 |
| 01/10/2022 | 10:30:00 - 10:45:00 | 5 | 6 | 6 | 19 | 5 | 15.2 | 69.3 | -4.6 | 61.7 | 1005.5 |
| 01/10/2022 | 10:45:00 - 11:00:00 | 5 | 6 | 6 | 19 | 5 | 11.6 | 58.8 | -4.4 | 62.4 | 1005.1 |
| 01/10/2022 | 11:00:00 - 11:15:00 | 5 | 6 | 6 | 19 | 5 | 12.6 | 67.0 | -4.2 | 61.0 | 1004.9 |
| 01/10/2022 | 11:15:00 - 11:30:00 | 5 | 5 | 6 | 19 | 5 | 12.7 | 46.8 | -4.0 | 61.8 | 1004.9 |
| 01/10/2022 | 11:30:00 - 11:45:00 | 5 | 5 | 6 | 19 | 5 | 14.6 | 57.0 | -3.9 | 61.7 | 1004.9 |
| 01/10/2022 | 11:45:00 - 12:00:00 | 5 | 5 | 6 | 19 | 5 | 13.7 | 53.8 | -3.6 | 62.2 | 1004.9 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 01/10/2022 | 12:00:00 - 12:15:00 | 5 | 5 | 6 | 19 | 6 | 14.5 | 39.2 | -3.5 | 62.4 | 1004.8 |
| 01/10/2022 | 12:15:00 - 12:30:00 | 5 | 5 | 6 | 19 | 6 | 13.1 | 38.9 | -3.3 | 61.6 | 1004.9 |
| 01/10/2022 | 12:30:00 - 12:45:00 | 5 | 5 | 6 | 19 | 6 | 14.6 | 45.4 | -3.2 | 60.9 | 1005.0 |
| 01/10/2022 | 12:45:00 - 13:00:00 | 5 | 5 | 6 | 19 | 6 | 14.0 | 27.6 | -2.9 | 60.1 | 1005.1 |
| 01/10/2022 | 13:00:00 - 13:15:00 | 5 | 5 | 6 | 19 | 6 | 15.9 | 40.3 | -3.1 | 58.4 | 1005.0 |
| 01/10/2022 | 13:15:00 - 13:30:00 | 5 | 5 | 6 | 19 | 6 | 16.3 | 36.8 | -3.2 | 58.8 | 1005.1 |
| 01/10/2022 | 13:30:00 - 13:45:00 | 5 | 5 | 6 | 19 | 6 | 14.8 | 26.8 | -3.2 | 58.9 | 1005.1 |
| 01/10/2022 | 13:45:00 - 14:00:00 | 5 | 5 | 6 | 19 | 6 | 14.1 | 34.3 | -3.2 | 58.7 | 1005.2 |
| 01/10/2022 | 14:00:00 - 14:15:00 | 5 | 5 | 6 | 19 | 6 | 15.0 | 26.3 | -3.4 | 58.0 | 1005.2 |
| 01/10/2022 | 14:15:00 - 14:30:00 | 5 | 5 | 6 | 19 | 6 | 13.4 | 35.3 | -3.3 | 58.1 | 1005.2 |
| 01/10/2022 | 14:30:00 - 14:45:00 | 5 | 5 | 6 | 19 | 6 | 14.4 | 32.2 | -3.6 | 59.3 | 1005.4 |
| 01/10/2022 | 14:45:00 - 15:00:00 | 5 | 5 | 6 | 19 | 6 | 13.6 | 60.2 | -3.6 | 59.2 | 1005.4 |
| 01/10/2022 | 15:00:00 - 15:15:00 | 5 | 5 | 6 | 19 | 5 | 16.1 | 48.2 | -3.9 | 58.0 | 1005.6 |
| 01/10/2022 | 15:15:00 - 15:30:00 | 5 | 5 | 6 | 19 | 5 | 15.8 | 40.5 | -4.0 | 56.7 | 1005.8 |
| 01/10/2022 | 15:30:00 - 15:45:00 | 5 | 5 | 6 | 19 | 5 | 11.5 | 49.8 | -4.2 | 57.9 | 1005.9 |
| 01/10/2022 | 15:45:00 - 16:00:00 | 5 | 5 | 6 | 19 | 5 | 13.4 | 61.7 | -4.3 | 56.1 | 1006.1 |
| 01/10/2022 | 16:00:00 - 16:15:00 | 5 | 5 | 6 | 18 | 5 | 11.9 | 44.9 | -4.5 | 54.1 | 1006.3 |
| 01/10/2022 | 16:15:00 - 16:30:00 | 5 | 5 | 6 | 18 | 5 | 14.7 | 29.5 | -4.7 | 55.8 | 1006.5 |
| 01/10/2022 | 16:30:00 - 16:45:00 | 5 | 5 | 6 | 18 | 5 | 9.5 | 36.9 | -5.0 | 57.5 | 1006.5 |
| 01/10/2022 | 16:45:00 - 17:00:00 | 5 | 5 | 6 | 18 | 5 | 10.6 | 32.2 | -5.5 | 58.7 | 1006.9 |
| 01/10/2022 | 17:00:00 - 17:15:00 | 5 | 5 | 6 | 18 | 5 | 8.2 | 35.3 | -6.1 | 63.0 | 1007.1 |
| 01/10/2022 | 17:15:00 - 17:30:00 | 5 | 5 | 6 | 17 | 5 | 8.9 | 32.2 | -6.8 | 61.0 | 1007.0 |
| 01/10/2022 | 17:30:00 - 17:45:00 | 5 | 5 | 6 | 17 | 5 | 8.5 | 33.1 | -7.2 | 61.6 | 1007.1 |
| 01/10/2022 | 17:45:00 - 18:00:00 | 5 | 5 | 6 | 17 | 5 | 7.6 | 35.0 | -7.4 | 65.0 | 1007.4 |
| 01/10/2022 | 18:00:00 - 18:15:00 | 5 | 5 | 6 | 17 | 5 | 7.1 | 44.8 | -7.7 | 67.5 | 1007.5 |
| 01/10/2022 | 18:15:00 - 18:30:00 | 5 | 5 | 6 | 17 | 5 | 7.0 | 43.8 | -8.1 | 60.8 | 1007.6 |
| 01/10/2022 | 18:30:00 - 18:45:00 | 5 | 5 | 6 | 17 | 5 | 5.8 | 46.5 | -8.4 | 60.9 | 1007.8 |
| 01/10/2022 | 18:45:00 - 19:00:00 | 5 | 5 | 6 | 16 | 4 | 6.1 | 48.4 | -8.7 | 62.9 | 1008.1 |
| 01/10/2022 | 19:00:00 - 19:15:00 | 5 | 5 | 6 | 16 | 4 | 4.8 | 47.6 | -8.9 | 65.2 | 1008.4 |
| 01/10/2022 | 19:15:00 - 19:30:00 | 5 | 5 | 6 | 16 | 4 | 6.8 | 43.7 | -9.1 | 67.1 | 1008.7 |
| 01/10/2022 | 19:30:00 - 19:45:00 | 5 | 5 | 6 | 16 | 4 | 6.1 | 37.9 | -9.3 | 69.2 | 1008.9 |
| 01/10/2022 | 19:45:00 - 20:00:00 | 5 | 5 | 6 | 16 | 4 | 6.2 | 46.7 | -9.4 | 70.3 | 1008.7 |
| 01/10/2022 | 20:00:00 - 20:15:00 | 5 | 5 | 6 | 16 | 4 | 6.6 | 47.1 | -9.4 | 71.1 | 1008.5 |
| 01/10/2022 | 20:15:00 - 20:30:00 | 5 | 5 | 6 | 16 | 4 | 5.4 | 72.0 | -9.5 | 70.2 | 1008.7 |
| 01/10/2022 | 20:30:00 - 20:45:00 | 5 | 5 | 6 | 16 | 4 | 5.4 | 45.1 | -9.6 | 69.2 | 1008.8 |
| 01/10/2022 | 20:45:00 - 21:00:00 | 5 | 5 | 6 | 16 | 4 | 4.2 | 53.9 | -9.8 | 70.2 | 1009.0 |
| 01/10/2022 | 21:00:00 - 21:15:00 | 5 | 5 | 6 | 16 | 4 | 5.6 | 44.7 | -10.0 | 70.0 | 1009.1 |
| 01/10/2022 | 21:15:00 - 21:30:00 | 5 | 5 | 6 | 16 | 4 | 4.8 | 37.2 | -10.2 | 71.3 | 1009.1 |
| 01/10/2022 | 21:30:00 - 21:45:00 | 5 | 5 | 6 | 16 | 4 | 4.3 | 57.2 | -10.6 | 75.5 | 1009.2 |
| 01/10/2022 | 21:45:00 - 22:00:00 | 5 | 5 | 6 | 16 | 4 | 4.1 | 71.0 | -11.2 | 77.5 | 1009.2 |
| 01/10/2022 | 22:00:00 - 22:15:00 | 5 | 5 | 6 | 16 | 4 | 5.7 | 51.8 | -11.5 | 74.8 | 1009.2 |
| 01/10/2022 | 22:15:00 - 22:30:00 | 5 | 5 | 6 | 17 | 4 | 4.1 | 69.4 | -11.7 | 72.5 | 1009.2 |
| 01/10/2022 | 22:30:00 - 22:45:00 | 5 | 5 | 6 | 17 | 4 | 5.2 | 53.4 | -11.9 | 72.0 | 1009.5 |
| 01/10/2022 | 22:45:00 - 23:00:00 | 5 | 5 | 6 | 17 | 4 | 3.5 | 71.9 | -12.0 | 71.9 | 1009.6 |
| 01/10/2022 | 23:00:00 - 23:15:00 | 5 | 5 | 6 | 17 | 4 | 3.4 | 79.8 | -12.2 | 71.9 | 1009.5 |
| 01/10/2022 | 23:15:00 - 23:30:00 | 5 | 5 | 6 | 17 | 5 | 4.3 | 71.7 | -12.3 | 70.3 | 1009.6 |
| 01/10/2022 | 23:30:00 - 23:45:00 | 5 | 5 | 6 | 17 | 5 | 3.8 | 72.6 | -12.4 | 69.0 | 1009.5 |
| 01/11/2022 | 23:45:00 - 00:00:00 | 5 | 5 | 6 | 17 | 5 | 3.8 | 69.8 | -12.5 | 69.1 | 1009.4 |
| 01/11/2022 | 00:00:00 - 00:15:00 | 5 | 5 | 6 | 17 | 5 | 3.5 | 66.6 | -12.6 | 69.2 | 1009.5 |
| 01/11/2022 | 00:15:00 - 00:30:00 | 5 | 5 | 6 | 18 | 5 | 3.6 | 93.3 | -12.7 | 69.9 | 1009.3 |
| 01/11/2022 | 00:30:00 - 00:45:00 | 5 | 5 | 6 | 18 | 5 | 4.5 | 111.0 | -12.8 | 71.1 | 1008.9 |
| 01/11/2022 | 00:45:00 - 01:00:00 | 5 | 5 | 6 | 18 | 5 | 3.9 | 77.5 | -12.9 | 69.7 | 1009.2 |
| 01/11/2022 | 01:00:00 - 01:15:00 | 5 | 5 | 6 | 18 | 5 | 3.1 | 92.6 | -13.0 | 65.3 | 1009.1 |
| 01/11/2022 | 01:15:00 - 01:30:00 | 5 | 5 | 6 | 19 | 5 | 3.6 | 75.0 | -13.0 | 63.6 | 1008.9 |
| 01/11/2022 | 01:30:00 - 01:45:00 | 5 | 5 | 6 | 19 | 5 | 3.4 | 79.6 | -13.1 | 65.0 | 1008.7 |
| 01/11/2022 | 01:45:00 - 02:00:00 | 5 | 5 | 6 | 19 | 5 | 3.3 | 131.9 | -13.3 | 66.0 | 1008.7 |
| 01/11/2022 | 02:00:00 - 02:15:00 | 5 | 5 | 6 | 19 | 5 | 3.5 | 127.9 | -13.3 | 65.4 | 1008.7 |
| 01/11/2022 | 02:15:00 - 02:30:00 | 5 | 5 | 6 | 19 | 5 | 5.6 | 107.3 | -13.2 | 65.6 | 1008.7 |
| 01/11/2022 | 02:30:00 - 02:45:00 | 5 | 5 | 6 | 19 | 5 | 5.7 | 111.4 | -13.2 | 65.6 | 1008.5 |
| 01/11/2022 | 02:45:00 - 03:00:00 | 5 | 5 | 6 | 19 | 5 | 4.2 | 114.8 | -13.2 | 66.2 | 1008.3 |
| 01/11/2022 | 03:00:00 - 03:15:00 | 5 | 5 | 6 | 20 | 5 | 2.9 | 132.2 | -13.2 | 67.6 | 1008.1 |
| 01/11/2022 | 03:15:00 - 03:30:00 | 5 | 5 | 6 | 20 | 5 | 4.5 | 120.2 | -13.2 | 67.9 | 1008.1 |
| 01/11/2022 | 03:30:00 - 03:45:00 | 5 | 5 | 6 | 20 | 5 | 3.3 | 135.0 | -13.2 | 68.7 | 1008.0 |
| 01/11/2022 | 03:45:00 - 04:00:00 | 5 | 5 | 6 | 20 | 5 | 3.7 | 162.0 | -13.3 | 70.0 | 1007.9 |
| 01/11/2022 | 04:00:00 - 04:15:00 | 5 | 5 | 6 | 20 | 5 | 7.0 | 163.6 | -13.0 | 67.5 | 1007.9 |
| 01/11/2022 | 04:15:00 - 04:30:00 | 5 | 5 | 6 | 20 | 5 | 5.8 | 156.2 | -12.9 | 66.6 | 1007.9 |
| 01/11/2022 | 04:30:00 - 04:45:00 | 5 | 5 | 6 | 20 | 5 | 8.8 | 150.2 | -12.6 | 63.8 | 1007.7 |
| 01/11/2022 | 04:45:00 - 05:00:00 | 5 | 5 | 6 | 20 | 5 | 9.1 | 153.1 | -12.6 | 65.1 | 1007.6 |
| 01/11/2022 | 05:00:00 - 05:15:00 | 5 | 5 | 6 | 20 | 5 | 8.6 | 154.9 | -12.6 | 65.6 | 1007.6 |
| 01/11/2022 | 05:15:00 - 05:30:00 | 5 | 5 | 6 | 20 | 5 | 9.3 | 151.2 | -12.5 | 66.9 | 1007.4 |
| 01/11/2022 | 05:30:00 - 05:45:00 | 5 | 5 | 6 | 20 | 5 | 9.0 | 154.5 | -12.6 | 68.1 | 1007.2 |
| 01/11/2022 | 05:45:00 - 06:00:00 | 5 | 5 | 6 | 20 | 5 | 9.8 | 152.8 | -12.6 | 68.9 | 1007.2 |
| 01/11/2022 | 06:00:00 - 06:15:00 | 5 | 5 | 6 | 20 | 5 | 10.4 | 153.0 | -12.6 | 68.2 | 1007.0 |
| 01/11/2022 | 06:15:00 - 06:30:00 | 5 | 5 | 6 | 20 | 5 | 9.0 | 159.1 | -12.6 | 68.8 | 1006.9 |
| 01/11/2022 | 06:30:00 - 06:45:00 | 5 | 5 | 6 | 21 | 5 | 12.3 | 151.2 | -12.6 | 68.6 | 1006.8 |
| 01/11/2022 | 06:45:00 - 07:00:00 | 5 | 5 | 6 | 21 | 5 | 8.7 | 151.7 | -12.5 | 69.8 | 1006.7 |
| 01/11/2022 | 07:00:00 - 07:15:00 | 5 | 5 | 6 | 21 | 5 | 7.4 | 159.1 | -12.4 | 71.2 | 1006.8 |
| 01/11/2022 | 07:15:00 - 07:30:00 | 5 | 5 | 6 | 21 | 5 | 8.8 | 162.6 | -12.3 | 72.1 | 1006.6 |
| 01/11/2022 | 07:30:00 - 07:45:00 | 5 | 5 | 6 | 21 | 5 | 7.8 | 163.1 | -12.2 | 73.0 | 1006.5 |
| 01/11/2022 | 07:45:00 - 08:00:00 | 5 | 5 | 6 | 21 | 5 | 7.4 | 162.1 | -11.6 | 72.4 | 1006.7 |
| 01/11/2022 | 08:00:00 - 08:15:00 | 5 | 5 | 6 | 21 | 5 | 8.0 | 160.1 | -11.4 | 72.1 | 1006.6 |
| 01/11/2022 | 08:15:00 - 08:30:00 | 5 | 5 | 6 | 21 | 5 | 10.1 | 159.2 | -10.9 | 70.7 | 1006.4 |
| 01/11/2022 | 08:30:00 - 08:45:00 | 5 | 5 | 6 | 21 | 5 | 9.4 | 160.5 | -10.2 | 68.3 | 1006.2 |
| 01/11/2022 | 08:45:00 - 09:00:00 | 5 | 5 | 6 | 21 | 5 | 8.6 | 161.6 | -9.4 | 65.9 | 1006.0 |
| 01/11/2022 | 09:00:00 - 09:15:00 | 5 | 5 | 6 | 21 | 5 | 9.0 | 159.6 | -8.5 | 62.9 | 1005.4 |
| 01/11/2022 | 09:15:00 - 09:30:00 | 5 | 5 | 6 | 21 | 5 | 8.5 | 159.6 | -7.8 | 62.2 | 1005.3 |
| 01/11/2022 | 09:30:00 - 09:45:00 | 5 | 5 | 6 | 21 | 5 | 8.2 | 154.5 | -7.0 | 61.6 | 1005.2 |
| 01/11/2022 | 09:45:00 - 10:00:00 | 5 | 5 | 6 | 21 | 5 | 10.1 | 159.7 | -6.4 | 61.6 | 1005.1 |
| 01/11/2022 | 10:00:00 - 10:15:00 | 5 | 5 | 6 | 21 | 5 | 11.7 | 155.5 | -6.0 | 61.8 | 1005.1 |
| 01/11/2022 | 10:15:00 - 10:30:00 | 5 | 5 | 6 | 21 | 5 | 9.4 | 155.7 | -5.1 | 59.4 | 1004.8 |
| 01/11/2022 | 10:30:00 - 10:45:00 | 5 | 5 | 6 | 21 | 5 | 9.6 | 153.7 | -4.5 | 58.5 | 1004.4 |
| 01/11/2022 | 10:45:00 - 11:00:00 | 5 | 5 | 6 | 21 | 5 | 9.3 | 154.3 | -4.0 | 56.4 | 1004.0 |
| 01/11/2022 | 11:00:00 - 11:15:00 | 5 | 5 | 6 | 21 | 5 | 10.3 | 154.9 | -3.6 | 55.4 | 1003.6 |
| 01/11/2022 | 11:15:00 - 11:30:00 | 5 | 5 | 6 | 21 | 5 | 10.6 | 155.1 | -3.2 | 54.5 | 1003.0 |
| 01/11/2022 | 11:30:00 - 11:45:00 | 5 | 4 | 6 | 21 | 5 | 10.7 | 151.9 | -2.6 | 54.2 | 1002.5 |
| 01/11/2022 | 11:45:00 - 12:00:00 | 5 | 4 | 6 | 21 | 5 | 9.9 | 154.7 | -2.0 | 53.7 | 1002.1 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 01/11/2022 | 12:00:00 - 12:15:00 | 5 | 4 | 6 | 21 | 5 | 12.6 | 151.0 | -1.4 | 53.4 | 1001.5 |
| 01/11/2022 | 12:15:00 - 12:30:00 | 5 | 4 | 6 | 21 | 5 | 11.2 | 145.9 | -0.8 | 53.0 | 1001.1 |
| 01/11/2022 | 12:30:00 - 12:45:00 | 5 | 4 | 6 | 21 | 5 | 12.0 | 146.2 | -0.3 | 53.1 | 1000.7 |
| 01/11/2022 | 12:45:00 - 13:00:00 | 5 | 4 | 6 | 21 | 5 | 12.0 | 150.2 | 0.2 | 53.2 | 1000.3 |
| 01/11/2022 | 13:00:00 - 13:15:00 | 5 | 4 | 5 | 21 | 6 | 12.1 | 152.8 | 0.7 | 53.7 | 999.9 |
| 01/11/2022 | 13:15:00 - 13:30:00 | 5 | 4 | 4 | 21 | 5 | 12.7 | 148.4 | 1.0 | 53.9 | 999.5 |
| 01/11/2022 | 13:30:00 - 13:45:00 | 5 | 4 | 4 | 21 | 4 | 14.3 | 148.2 | 1.4 | 54.3 | 999.0 |
| 01/11/2022 | 13:45:00 - 14:00:00 | 5 | 4 | 4 | 21 | 4 | 12.2 | 147.6 | 1.6 | 55.5 | 998.4 |
| 01/11/2022 | 14:00:00 - 14:15:00 | 5 | 4 | 4 | 21 | 5 | 13.0 | 150.5 | 1.8 | 56.0 | 997.9 |
| 01/11/2022 | 14:15:00 - 14:30:00 | 5 | 4 | 4 | 21 | 5 | 12.8 | 142.8 | 2.0 | 57.0 | 997.4 |
| 01/11/2022 | 14:30:00 - 14:45:00 | 5 | 4 | 5 | 21 | 5 | 14.4 | 149.9 | 2.1 | 58.0 | 997.3 |
| 01/11/2022 | 14:45:00 - 15:00:00 | 5 | 4 | 5 | 21 | 5 | 14.0 | 150.2 | 2.0 | 58.9 | 997.0 |
| 01/11/2022 | 15:00:00 - 15:15:00 | 5 | 4 | 5 | 21 | 5 | 12.5 | 141.2 | 2.1 | 59.0 | 996.7 |
| 01/11/2022 | 15:15:00 - 15:30:00 | 5 | 5 | 5 | 21 | 5 | 12.8 | 149.1 | 2.1 | 60.0 | 996.8 |
| 01/11/2022 | 15:30:00 - 15:45:00 | 5 | 5 | 5 | 21 | 5 | 12.1 | 144.4 | 1.9 | 61.8 | 996.6 |
| 01/11/2022 | 15:45:00 - 16:00:00 | 5 | 5 | 5 | 21 | 5 | 11.9 | 146.0 | 1.7 | 63.6 | 996.3 |
| 01/11/2022 | 16:00:00 - 16:15:00 | 5 | 5 | 5 | 21 | 5 | 12.0 | 149.6 | 1.5 | 65.6 | 995.8 |
| 01/11/2022 | 16:15:00 - 16:30:00 | 5 | 5 | 5 | 21 | 5 | 11.1 | 151.0 | 1.2 | 67.6 | 995.8 |
| 01/11/2022 | 16:30:00 - 16:45:00 | 5 | 5 | 5 | 21 | 5 | 10.4 | 148.4 | 1.1 | 68.8 | 995.5 |
| 01/11/2022 | 16:45:00 - 17:00:00 | 5 | 5 | 5 | 21 | 5 | 11.5 | 143.5 | 0.9 | 70.1 | 995.2 |
| 01/11/2022 | 17:00:00 - 17:15:00 | 5 | 5 | 5 | 21 | 5 | 10.1 | 142.7 | 0.7 | 71.6 | 994.9 |
| 01/11/2022 | 17:15:00 - 17:30:00 | 5 | 5 | 5 | 21 | 6 | 9.5 | 147.7 | 0.6 | 72.2 | 994.7 |
| 01/11/2022 | 17:30:00 - 17:45:00 | 5 | 5 | 5 | 21 | 6 | 10.1 | 148.9 | 0.4 | 73.6 | 994.5 |
| 01/11/2022 | 17:45:00 - 18:00:00 | 5 | 5 | 6 | 21 | 6 | 11.6 | 150.2 | 0.3 | 74.7 | 994.5 |
| 01/11/2022 | 18:00:00 - 18:15:00 | 5 | 5 | 6 | 22 | 6 | 11.0 | 143.7 | 0.4 | 74.8 | 994.3 |
| 01/11/2022 | 18:15:00 - 18:30:00 | 5 | 5 | 6 | 22 | 6 | 12.8 | 144.5 | 0.5 | 74.2 | 994.1 |
| 01/11/2022 | 18:30:00 - 18:45:00 | 5 | 5 | 6 | 22 | 6 | 12.3 | 142.5 | 0.6 | 74.0 | 994.0 |
| 01/11/2022 | 18:45:00 - 19:00:00 | 5 | 5 | 6 | 22 | 6 | 13.2 | 150.5 | 0.6 | 74.4 | 994.1 |
| 01/11/2022 | 19:00:00 - 19:15:00 | 5 | 5 | 6 | 22 | 6 | 13.3 | 154.0 | 0.6 | 75.0 | 994.3 |
| 01/11/2022 | 19:15:00 - 19:30:00 | 5 | 5 | 6 | 22 | 6 | 13.3 | 148.4 | 0.6 | 75.0 | 994.4 |
| 01/11/2022 | 19:30:00 - 19:45:00 | 5 | 6 | 6 | 22 | 6 | 12.5 | 149.5 | 0.6 | 75.0 | 994.3 |
| 01/11/2022 | 19:45:00 - 20:00:00 | 5 | 6 | 6 | 22 | 6 | 14.2 | 152.7 | 0.7 | 75.0 | 994.1 |
| 01/11/2022 | 20:00:00 - 20:15:00 | 5 | 6 | 6 | 22 | 6 | 14.2 | 145.9 | 0.8 | 75.0 | 993.9 |
| 01/11/2022 | 20:15:00 - 20:30:00 | 5 | 6 | 6 | 22 | 6 | 19.0 | 148.7 | 0.9 | 74.8 | 993.6 |
| 01/11/2022 | 20:30:00 - 20:45:00 | 5 | 6 | 6 | 22 | 6 | 18.2 | 150.6 | 1.0 | 74.9 | 993.5 |
| 01/11/2022 | 20:45:00 - 21:00:00 | 5 | 6 | 6 | 22 | 6 | 16.4 | 148.5 | 1.0 | 75.3 | 993.7 |
| 01/11/2022 | 21:00:00 - 21:15:00 | 5 | 6 | 6 | 22 | 6 | 17.9 | 144.4 | 1.0 | 76.0 | 993.6 |
| 01/11/2022 | 21:15:00 - 21:30:00 | 5 | 6 | 6 | 22 | 6 | 17.4 | 147.2 | 1.0 | 76.4 | 993.6 |
| 01/11/2022 | 21:30:00 - 21:45:00 | 5 | 6 | 6 | 22 | 7 | 16.0 | 148.5 | 1.0 | 77.0 | 993.5 |
| 01/11/2022 | 21:45:00 - 22:00:00 | 5 | 6 | 6 | 22 | 7 | 15.4 | 140.2 | 1.1 | 77.0 | 993.5 |
| 01/11/2022 | 22:00:00 - 22:15:00 | 5 | 6 | 6 | 22 | 7 | 17.6 | 140.1 | 1.3 | 77.2 | 993.5 |
| 01/11/2022 | 22:15:00 - 22:30:00 | 5 | 6 | 6 | 23 | 7 | 16.6 | 133.3 | 1.5 | 77.2 | 993.4 |
| 01/11/2022 | 22:30:00 - 22:45:00 | 5 | 6 | 6 | 23 | 7 | 13.6 | 135.9 | 1.6 | 77.2 | 993.3 |
| 01/11/2022 | 22:45:00 - 23:00:00 | 5 | 6 | 6 | 23 | 7 | 15.9 | 135.0 | 1.9 | 77.2 | 993.0 |
| 01/11/2022 | 23:00:00 - 23:15:00 | 5 | 6 | 6 | 23 | 7 | 16.8 | 141.5 | 2.1 | 77.0 | 992.9 |
| 01/11/2022 | 23:15:00 - 23:30:00 | 5 | 6 | 6 | 23 | 7 | 15.8 | 133.4 | 2.1 | 77.0 | 992.8 |
| 01/11/2022 | 23:30:00 - 23:45:00 | 5 | 6 | 6 | 23 | 7 | 17.4 | 134.1 | 2.2 | 77.0 | 992.6 |
| 01/12/2022 | 23:45:00 - 00:00:00 | 5 | 6 | 6 | 23 | 7 | 17.0 | 136.9 | 2.3 | 76.9 | 992.4 |
| 01/12/2022 | 00:00:00 - 00:15:00 | 4 | 6 | 5 | 22 | 6 | 16.9 | 135.3 | 2.3 | 77.0 | 992.2 |
| 01/12/2022 | 00:15:00 - 00:30:00 | 4 | 5 | 5 | 21 | 5 | 5.7 | 219.5 | 2.2 | 77.0 | 992.0 |
| 01/12/2022 | 00:30:00 - 00:45:00 | 4 | 5 | 5 | 21 | 5 | 4.5 | 224.0 | 2.2 | 77.0 | 992.1 |
| 01/12/2022 | 00:45:00 - 01:00:00 | 4 | Offline | 5 | 21 | 5 | 5.2 | 229.0 | 2.2 | 77.0 | 992.1 |
| 01/12/2022 | 01:00:00 - 01:15:00 | 4 | Offline | 5 | 20 | 5 | 4.9 | 228.4 | 2.2 | 77.0 | 992.1 |
| 01/12/2022 | 01:15:00 - 01:30:00 | 4 | Offline | 5 | 20 | 5 | 4.3 | 224.9 | 2.1 | 77.2 | 992.1 |
| 01/12/2022 | 01:30:00 - 01:45:00 | 4 | Offline | 5 | 20 | 5 | 4.9 | 227.4 | 2.0 | 78.0 | 992.1 |
| 01/12/2022 | 01:45:00 - 02:00:00 | 4 | Offline | 5 | 20 | 5 | 5.3 | 225.3 | 2.0 | 77.6 | 992.1 |
| 01/12/2022 | 02:00:00 - 02:15:00 | 3 | Offline | 5 | 19 | 5 | 3.7 | 224.7 | 2.0 | 77.6 | 992.1 |
| 01/12/2022 | 02:15:00 - 02:30:00 | 3 | Offline | 5 | 19 | 5 | 4.2 | 227.0 | 2.0 | 77.0 | 992.1 |
| 01/12/2022 | 02:30:00 - 02:45:00 | 3 | Offline | 5 | 19 | 5 | 3.6 | 229.0 | 2.0 | 77.0 | 992.0 |
| 01/12/2022 | 02:45:00 - 03:00:00 | 3 | Offline | 5 | 19 | 5 | 4.2 | 227.6 | 1.9 | 77.0 | 992.0 |
| 01/12/2022 | 03:00:00 - 03:15:00 | 3 | Offline | 5 | 19 | 5 | 2.5 | 253.8 | 1.6 | 78.0 | 992.1 |
| 01/12/2022 | 03:15:00 - 03:30:00 | 3 | Offline | 5 | 19 | 5 | 3.2 | 242.2 | 1.5 | 78.6 | 991.9 |
| 01/12/2022 | 03:30:00 - 03:45:00 | 3 | Offline | 5 | 19 | 5 | 4.3 | 217.7 | 1.4 | 79.0 | 991.7 |
| 01/12/2022 | 03:45:00 - 04:00:00 | 3 | Offline | 5 | 19 | 5 | 3.9 | 229.2 | 1.3 | 79.0 | 991.6 |
| 01/12/2022 | 04:00:00 - 04:15:00 | 3 | Offline | 5 | 19 | 5 | 4.0 | 221.7 | 1.2 | 79.0 | 991.3 |
| 01/12/2022 | 04:15:00 - 04:30:00 | 3 | Offline | 5 | 19 | 5 | 3.8 | 229.2 | 1.1 | 79.0 | 991.4 |
| 01/12/2022 | 04:30:00 - 04:45:00 | 3 | Offline | 5 | 19 | 5 | 3.0 | 248.0 | 0.9 | 79.9 | 991.7 |
| 01/12/2022 | 04:45:00 - 05:00:00 | 3 | Offline | 5 | 19 | 5 | 2.4 | 259.2 | 0.6 | 80.8 | 991.8 |
| 01/12/2022 | 05:00:00 - 05:15:00 | 3 | Offline | 5 | 19 | 5 | 2.4 | 252.0 | 0.4 | 81.9 | 991.8 |
| 01/12/2022 | 05:15:00 - 05:30:00 | 3 | Offline | 5 | 19 | 5 | 2.4 | 230.4 | 0.2 | 82.8 | 991.7 |
| 01/12/2022 | 05:30:00 - 05:45:00 | 3 | Offline | 5 | 19 | 5 | 2.6 | 229.9 | 0.1 | 83.0 | 991.5 |
| 01/12/2022 | 05:45:00 - 06:00:00 | 3 | Offline | 5 | 19 | 5 | 1.6 | 248.7 | 0.1 | 83.1 | 991.7 |
| 01/12/2022 | 06:00:00 - 06:15:00 | 3 | Offline | 5 | 19 | 5 | 2.6 | 237.4 | 0.3 | 82.4 | 991.6 |
| 01/12/2022 | 06:15:00 - 06:30:00 | 3 | Offline | 5 | 19 | 5 | 1.7 | 231.7 | 0.4 | 81.0 | 991.6 |
| 01/12/2022 | 06:30:00 - 06:45:00 | 3 | Offline | 5 | 19 | 5 | 2.4 | 230.1 | 0.5 | 80.4 | 991.6 |
| 01/12/2022 | 06:45:00 - 07:00:00 | 3 | Offline | 5 | 19 | 5 | 2.2 | 266.3 | 0.3 | 80.6 | 991.8 |
| 01/12/2022 | 07:00:00 - 07:15:00 | 4 | Offline | 5 | 20 | 5 | 2.3 | 260.9 | 0.3 | 80.7 | 991.6 |
| 01/12/2022 | 07:15:00 - 07:30:00 | 4 | Offline | 5 | 20 | 5 | 1.8 | 273.0 | 0.0 | 81.0 | 991.7 |
| 01/12/2022 | 07:30:00 - 07:45:00 | 4 | Offline | 5 | 20 | 5 | 1.3 | 258.4 | 0.0 | 81.0 | 991.7 |
| 01/12/2022 | 07:45:00 - 08:00:00 | 4 | Offline | 5 | 20 | 5 | 1.6 | 226.7 | 0.1 | 81.0 | 991.5 |
| 01/12/2022 | 08:00:00 - 08:15:00 | 3 | Offline | 5 | 19 | 5 | 3.4 | 222.1 | 0.2 | 81.0 | 991.4 |
| 01/12/2022 | 08:15:00 - 08:30:00 | 4 | Offline | 5 | 20 | 5 | 2.1 | 233.0 | 0.3 | 80.5 | 991.4 |
| 01/12/2022 | 08:30:00 - 08:45:00 | 4 | Offline | 5 | 21 | 5 | 2.2 | 258.5 | 0.8 | 79.2 | 991.6 |
| 01/12/2022 | 08:45:00 - 09:00:00 | 4 | Offline | 5 | 20 | 5 | 3.0 | 250.2 | 1.2 | 77.4 | 991.7 |
| 01/12/2022 | 09:00:00 - 09:15:00 | 4 | Offline | 5 | 20 | 5 | 2.5 | 240.8 | 1.5 | 76.2 | 991.6 |
| 01/12/2022 | 09:15:00 - 09:30:00 | 3 | Offline | 5 | 20 | 5 | 3.2 | 234.1 | 1.8 | 75.8 | 991.7 |
| 01/12/2022 | 09:30:00 - 09:45:00 | 3 | 5 | 5 | 18 | 5 | 2.9 | 226.2 | 2.0 | 75.0 | 991.6 |
| 01/12/2022 | 09:45:00 - 10:00:00 | 3 | 5 | 4 | 18 | 4 | 3.2 | 219.0 | 2.2 | 75.0 | 991.5 |
| 01/12/2022 | 10:00:00 - 10:15:00 | 3 | 5 | 4 | 20 | 4 | 2.1 | 211.3 | 2.4 | 75.1 | 991.3 |
| 01/12/2022 | 10:15:00 - 10:30:00 | 3 | 5 | 4 | 19 | 4 | 2.8 | 239.8 | 2.7 | 74.0 | 990.7 |
| 01/12/2022 | 10:30:00 - 10:45:00 | 4 | 5 | 5 | 18 | 4 | 3.1 | 233.0 | 3.1 | 72.6 | 991.0 |
| 01/12/2022 | 10:45:00 - 11:00:00 | 4 | 5 | 5 | 19 | 5 | 3.0 | 260.0 | 3.7 | 70.6 | 991.3 |
| 01/12/2022 | 11:00:00 - 11:15:00 | 4 | 5 | 5 | 18 | 5 | 3.1 | 246.1 | 3.9 | 69.6 | 991.1 |
| 01/12/2022 | 11:15:00 - 11:30:00 | 4 | 5 | 5 | 19 | 5 | 3.4 | 230.4 | 4.2 | 68.5 | 990.7 |
| 01/12/2022 | 11:30:00 - 11:45:00 | 4 | 5 | 4 | 18 | 4 | 3.3 | 241.4 | 4.7 | 67.4 | 990.6 |
| 01/12/2022 | 11:45:00 - 12:00:00 | 3 | 5 | 4 | 18 | 4 | 3.6 | 255.3 | 5.5 | 64.4 | 990.6 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 01/12/2022 | 12:00:00 - 12:15:00 | 4 | 5 | 5 | 17 | 4 | 2.7 | 244.0 | 5.9 | 62.5 | 990.3 |
| 01/12/2022 | 12:15:00 - 12:30:00 | 14 | 5 | 12 | 17 | 5 | 3.7 | 252.6 | 5.9 | 62.3 | 990.4 |
| 01/12/2022 | 12:30:00 - 12:45:00 | 4 | 5 | 5 | 17 | 4 | 2.4 | 263.4 | 5.7 | 63.6 | 990.3 |
| 01/12/2022 | 12:45:00 - 13:00:00 | 4 | 5 | 5 | 19 | 5 | 1.6 | 211.8 | 5.6 | 64.0 | 990.1 |
| 01/12/2022 | 13:00:00 - 13:15:00 | 4 | 5 | 4 | 22 | 5 | 2.6 | 153.8 | 5.6 | 64.2 | 988.9 |
| 01/12/2022 | 13:15:00 - 13:30:00 | 4 | 5 | 5 | 18 | 4 | 4.0 | 236.1 | 5.6 | 64.8 | 990.0 |
| 01/12/2022 | 13:30:00 - 13:45:00 | 4 | 5 | 4 | 17 | 4 | 3.9 | 218.9 | 5.8 | 64.0 | 990.0 |
| 01/12/2022 | 13:45:00 - 14:00:00 | 3 | 5 | 4 | 17 | 4 | 3.0 | 205.0 | 6.1 | 63.0 | 989.6 |
| 01/12/2022 | 14:00:00 - 14:15:00 | 3 | 5 | 4 | 16 | 4 | 4.5 | 206.7 | 6.3 | 61.7 | 989.3 |
| 01/12/2022 | 14:15:00 - 14:30:00 | 3 | 5 | 4 | 16 | 4 | 4.2 | 215.1 | 6.2 | 62.4 | 989.4 |
| 01/12/2022 | 14:30:00 - 14:45:00 | 3 | 5 | 4 | 16 | 4 | 3.1 | 218.8 | 6.3 | 62.9 | 989.4 |
| 01/12/2022 | 14:45:00 - 15:00:00 | 3 | 5 | 4 | 16 | 4 | 3.1 | 211.9 | 6.2 | 64.2 | 989.5 |
| 01/12/2022 | 15:00:00 - 15:15:00 | 4 | 5 | 4 | 19 | 4 | 3.5 | 202.5 | 6.2 | 65.0 | 989.4 |
| 01/12/2022 | 15:15:00 - 15:30:00 | 4 | 5 | 4 | 19 | 4 | 2.2 | 198.4 | 6.1 | 65.5 | 989.3 |
| 01/12/2022 | 15:30:00 - 15:45:00 | 4 | 5 | 4 | 21 | 5 | 0.9 | 188.7 | 6.1 | 66.0 | 989.2 |
| 01/12/2022 | 15:45:00 - 16:00:00 | 4 | 5 | 4 | 20 | 5 | 0.7 | 181.4 | 6.1 | 66.1 | 989.2 |
| 01/12/2022 | 16:00:00 - 16:15:00 | 4 | 5 | 5 | 19 | 5 | 1.4 | 230.7 | 5.9 | 67.1 | 989.3 |
| 01/12/2022 | 16:15:00 - 16:30:00 | 4 | 5 | 5 | 20 | 5 | 1.2 | 209.2 | 5.5 | 68.5 | 989.2 |
| 01/12/2022 | 16:30:00 - 16:45:00 | 4 | 5 | 5 | 21 | 5 | 1.1 | 208.4 | 5.4 | 69.2 | 989.0 |
| 01/12/2022 | 16:45:00 - 17:00:00 | 4 | 5 | 5 | 22 | 6 | 2.3 | 214.5 | 5.2 | 70.4 | 988.8 |
| 01/12/2022 | 17:00:00 - 17:15:00 | 4 | 5 | 5 | 22 | 5 | 2.3 | 216.2 | 5.1 | 71.1 | 988.7 |
| 01/12/2022 | 17:15:00 - 17:30:00 | 4 | 5 | 5 | 22 | 6 | 2.1 | 206.4 | 4.9 | 72.0 | 988.6 |
| 01/12/2022 | 17:30:00 - 17:45:00 | 4 | 5 | 5 | 22 | 5 | 1.8 | 202.4 | 4.5 | 74.0 | 988.5 |
| 01/12/2022 | 17:45:00 - 18:00:00 | 4 | 5 | 5 | 22 | 6 | 1.9 | 197.9 | 4.3 | 75.0 | 988.5 |
| 01/12/2022 | 18:00:00 - 18:15:00 | 4 | 5 | 6 | 23 | 6 | 2.3 | 208.4 | 3.9 | 75.3 | 988.6 |
| 01/12/2022 | 18:15:00 - 18:30:00 | 5 | 5 | 6 | 23 | 6 | 2.4 | 218.9 | 3.9 | 75.3 | 988.8 |
| 01/12/2022 | 18:30:00 - 18:45:00 | 5 | 5 | 6 | 25 | 6 | 2.9 | 221.7 | 4.3 | 73.7 | 989.0 |
| 01/12/2022 | 18:45:00 - 19:00:00 | 5 | 5 | 6 | 25 | 6 | 4.3 | 222.4 | 5.2 | 70.5 | 989.2 |
| 01/12/2022 | 19:00:00 - 19:15:00 | 5 | 5 | 7 | 26 | 7 | 3.5 | 226.7 | 4.9 | 71.8 | 989.4 |
| 01/12/2022 | 19:15:00 - 19:30:00 | 5 | 5 | 6 | 26 | 7 | 4.5 | 230.4 | 4.7 | 72.0 | 989.5 |
| 01/12/2022 | 19:30:00 - 19:45:00 | 5 | 5 | 6 | 26 | 7 | 4.5 | 229.7 | 4.6 | 72.1 | 989.4 |
| 01/12/2022 | 19:45:00 - 20:00:00 | 5 | 5 | 6 | 26 | 7 | 3.2 | 227.1 | 4.5 | 72.5 | 989.3 |
| 01/12/2022 | 20:00:00 - 20:15:00 | 5 | 5 | 6 | 27 | 7 | 2.8 | 228.5 | 4.3 | 73.1 | 989.1 |
| 01/12/2022 | 20:15:00 - 20:30:00 | 5 | 5 | 6 | 27 | 7 | 3.4 | 227.9 | 4.3 | 73.7 | 988.9 |
| 01/12/2022 | 20:30:00 - 20:45:00 | 5 | 5 | 6 | 27 | 7 | 2.0 | 208.6 | 4.1 | 73.6 | 988.6 |
| 01/12/2022 | 20:45:00 - 21:00:00 | 5 | 5 | 7 | 27 | 7 | 2.4 | 217.0 | 3.5 | 75.7 | 988.2 |
| 01/12/2022 | 21:00:00 - 21:15:00 | 6 | 5 | 7 | 29 | 8 | 0.7 | 191.9 | 2.8 | 78.3 | 988.0 |
| 01/12/2022 | 21:15:00 - 21:30:00 | 6 | 5 | 7 | 30 | 8 | 1.1 | 214.7 | 2.3 | 80.0 | 987.7 |
| 01/12/2022 | 21:30:00 - 21:45:00 | 6 | 5 | 7 | 31 | 8 | 1.4 | 229.0 | 2.0 | 81.3 | 987.6 |
| 01/12/2022 | 21:45:00 - 22:00:00 | 6 | 5 | 7 | 30 | 8 | 0.3 | 158.3 | 1.8 | 82.2 | 987.1 |
| 01/12/2022 | 22:00:00 - 22:15:00 | 6 | 5 | 7 | 29 | 7 | 0.2 | 166.2 | 1.7 | 83.2 | 986.9 |
| 01/12/2022 | 22:15:00 - 22:30:00 | 6 | 5 | 7 | 28 | 7 | 0.7 | 235.1 | 2.0 | 83.0 | 986.7 |
| 01/12/2022 | 22:30:00 - 22:45:00 | 6 | 5 | 7 | 30 | 7 | 1.8 | 275.7 | 1.9 | 83.0 | 986.8 |
| 01/12/2022 | 22:45:00 - 23:00:00 | 6 | 5 | 7 | 31 | 8 | 2.8 | 237.1 | 2.5 | 82.3 | 986.9 |
| 01/12/2022 | 23:00:00 - 23:15:00 | 6 | 5 | 7 | 28 | 7 | 3.1 | 253.8 | 2.9 | 80.9 | 986.9 |
| 01/12/2022 | 23:15:00 - 23:30:00 | 5 | 5 | 6 | 26 | 6 | 3.4 | 256.6 | 2.9 | 80.2 | 986.9 |
| 01/12/2022 | 23:30:00 - 23:45:00 | 5 | 5 | 6 | 25 | 6 | 2.6 | 264.9 | 2.6 | 80.7 | 986.6 |
| 01/13/2022 | 23:45:00 - 00:00:00 | 5 | 5 | 6 | 25 | 6 | 2.7 | 257.9 | 2.2 | 81.9 | 986.5 |
| 01/13/2022 | 00:00:00 - 00:15:00 | 5 | 5 | 6 | 25 | 6 | 3.3 | 278.2 | 2.1 | 82.3 | 986.5 |
| 01/13/2022 | 00:15:00 - 00:30:00 | 5 | 5 | 6 | 26 | 7 | 1.3 | 283.7 | 1.7 | 83.3 | 986.3 |
| 01/13/2022 | 00:30:00 - 00:45:00 | 5 | 5 | 6 | 27 | 7 | 0.9 | 269.1 | 1.2 | 84.7 | 986.1 |
| 01/13/2022 | 00:45:00 - 01:00:00 | 6 | 5 | 7 | 27 | 7 | 1.5 | 267.2 | 0.9 | 85.9 | 986.0 |
| 01/13/2022 | 01:00:00 - 01:15:00 | 5 | 5 | 7 | 28 | 7 | 1.4 | 280.2 | 0.7 | 86.4 | 986.0 |
| 01/13/2022 | 01:15:00 - 01:30:00 | 6 | 5 | 7 | 28 | 7 | 1.6 | 279.5 | 0.6 | 86.9 | 985.9 |
| 01/13/2022 | 01:30:00 - 01:45:00 | 6 | 5 | 7 | 29 | 7 | 2.6 | 274.7 | 0.7 | 86.9 | 985.8 |
| 01/13/2022 | 01:45:00 - 02:00:00 | 6 | 5 | 7 | 29 | 7 | 2.5 | 278.5 | 0.9 | 86.0 | 985.7 |
| 01/13/2022 | 02:00:00 - 02:15:00 | 6 | 5 | 7 | 28 | 7 | 1.9 | 279.1 | 0.8 | 86.1 | 985.5 |
| 01/13/2022 | 02:15:00 - 02:30:00 | 5 | 5 | 7 | 28 | 7 | 3.3 | 277.6 | 1.1 | 85.2 | 985.5 |
| 01/13/2022 | 02:30:00 - 02:45:00 | 5 | 5 | 7 | 28 | 7 | 2.5 | 286.0 | 1.0 | 85.1 | 985.3 |
| 01/13/2022 | 02:45:00 - 03:00:00 | 5 | 5 | 7 | 28 | 7 | 3.2 | 293.0 | 1.1 | 85.1 | 985.2 |
| 01/13/2022 | 03:00:00 - 03:15:00 | 5 | 5 | 7 | 28 | 7 | 3.4 | 288.5 | 1.1 | 85.0 | 984.9 |
| 01/13/2022 | 03:15:00 - 03:30:00 | 6 | 5 | 7 | 29 | 7 | 3.5 | 290.3 | 1.0 | 85.0 | 984.8 |
| 01/13/2022 | 03:30:00 - 03:45:00 | 6 | 5 | 7 | 30 | 8 | 3.6 | 297.3 | 0.9 | 85.8 | 984.8 |
| 01/13/2022 | 03:45:00 - 04:00:00 | 6 | 5 | 7 | 30 | 8 | 3.3 | 306.9 | 0.7 | 86.3 | 984.7 |
| 01/13/2022 | 04:00:00 - 04:15:00 | 6 | 5 | 7 | 30 | 8 | 3.5 | 307.4 | 0.5 | 87.0 | 984.6 |
| 01/13/2022 | 04:15:00 - 04:30:00 | 6 | 5 | 7 | 31 | 8 | 4.0 | 303.5 | 0.2 | 87.7 | 984.7 |
| 01/13/2022 | 04:30:00 - 04:45:00 | 7 | 5 | 8 | 33 | 8 | 3.7 | 304.0 | 0.0 | 88.7 | 984.8 |
| 01/13/2022 | 04:45:00 - 05:00:00 | 7 | 5 | 8 | 35 | 9 | 3.4 | 299.5 | 0.0 | 89.0 | 984.9 |
| 01/13/2022 | 05:00:00 - 05:15:00 | 7 | 5 | 9 | 36 | 9 | 3.0 | 308.4 | 0.0 | 89.0 | 985.0 |
| 01/13/2022 | 05:15:00 - 05:30:00 | 8 | 5 | 9 | 36 | 9 | 3.1 | 309.8 | -0.1 | 89.4 | 984.9 |
| 01/13/2022 | 05:30:00 - 05:45:00 | 8 | 5 | 9 | 38 | 10 | 2.8 | 297.2 | -0.3 | 90.0 | 984.9 |
| 01/13/2022 | 05:45:00 - 06:00:00 | 8 | 5 | 10 | 40 | 11 | 2.6 | 310.7 | -0.3 | 90.0 | 984.9 |
| 01/13/2022 | 06:00:00 - 06:15:00 | 9 | 5 | 10 | 41 | 11 | 2.2 | 312.0 | -0.4 | 90.4 | 985.0 |
| 01/13/2022 | 06:15:00 - 06:30:00 | 9 | 5 | 10 | 43 | 11 | 2.6 | 304.0 | -0.5 | 91.0 | 985.1 |
| 01/13/2022 | 06:30:00 - 06:45:00 | 10 | 5 | 11 | 44 | 12 | 2.9 | 309.2 | -0.7 | 91.0 | 985.0 |
| 01/13/2022 | 06:45:00 - 07:00:00 | 11 | 5 | 12 | 50 | 13 | 2.6 | 299.5 | -0.7 | 91.8 | 985.0 |
| 01/13/2022 | 07:00:00 - 07:15:00 | 13 | 5 | 14 | 57 | 15 | 2.3 | 312.2 | -0.6 | 92.0 | 984.9 |
| 01/13/2022 | 07:15:00 - 07:30:00 | 14 | 5 | 15 | 62 | 17 | 3.2 | 317.9 | -0.4 | 91.7 | 985.0 |
| 01/13/2022 | 07:30:00 - 07:45:00 | 15 | 5 | 16 | 66 | 18 | 2.8 | 310.6 | -0.2 | 91.0 | 985.2 |
| 01/13/2022 | 07:45:00 - 08:00:00 | 16 | 5 | 17 | 68 | 18 | 3.2 | 325.3 | -0.1 | 91.0 | 985.4 |
| 01/13/2022 | 08:00:00 - 08:15:00 | 16 | 5 | 18 | 70 | 18 | 3.7 | 327.7 | 0.0 | 91.0 | 985.5 |
| 01/13/2022 | 08:15:00 - 08:30:00 | 16 | 5 | 17 | 70 | 18 | 5.7 | 333.1 | 0.1 | 91.0 | 985.7 |
| 01/13/2022 | 08:30:00 - 08:45:00 | 15 | 5 | 16 | 67 | 17 | 6.3 | 327.7 | 0.1 | 91.5 | 985.8 |
| 01/13/2022 | 08:45:00 - 09:00:00 | 15 | 5 | 16 | 65 | 17 | 4.9 | 340.7 | 0.3 | 92.0 | 985.8 |
| 01/13/2022 | 09:00:00 - 09:15:00 | 14 | 5 | 15 | 64 | 17 | 4.4 | 351.2 | 0.5 | 91.6 | 985.9 |
| 01/13/2022 | 09:15:00 - 09:30:00 | 14 | 5 | 15 | 62 | 17 | 4.4 | 340.6 | 0.8 | 91.1 | 986.1 |
| 01/13/2022 | 09:30:00 - 09:45:00 | 14 | 5 | 15 | 64 | 18 | 3.8 | 359.2 | 1.0 | 90.9 | 986.2 |
| 01/13/2022 | 09:45:00 - 10:00:00 | 13 | 5 | 14 | 59 | 17 | 5.3 | 342.3 | 1.2 | 90.3 | 986.5 |
| 01/13/2022 | 10:00:00 - 10:15:00 | 13 | 5 | 14 | 58 | 16 | 5.0 | 349.8 | 1.4 | 90.1 | 986.5 |
| 01/13/2022 | 10:15:00 - 10:30:00 | 12 | 5 | 13 | 55 | 16 | 5.1 | 346.4 | 1.5 | 90.7 | 986.5 |
| 01/13/2022 | 10:30:00 - 10:45:00 | 13 | 5 | 14 | 60 | 17 | 5.0 | 4.0 | 1.7 | 91.0 | 986.4 |
| 01/13/2022 | 10:45:00 - 11:00:00 | 14 | 5 | 15 | 60 | 17 | 4.5 | 352.2 | 2.0 | 90.9 | 986.4 |
| 01/13/2022 | 11:00:00 - 11:15:00 | 15 | 5 | 16 | 73 | 20 | 4.4 | 6.4 | 2.4 | 90.3 | 986.3 |
| 01/13/2022 | 11:15:00 - 11:30:00 | 19 | 5 | 20 | 83 | 24 | 4.4 | 352.5 | 2.5 | 90.5 | 986.2 |
| 01/13/2022 | 11:30:00 - 11:45:00 | 21 | 5 | 22 | 90 | 27 | 3.1 | 350.5 | 2.9 | 90.6 | 986.0 |
| 01/13/2022 | 11:45:00 - 12:00:00 | 20 | 5 | 21 | 91 | 26 | 4.2 | 18.5 | 3.8 | 87.8 | 985.8 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 01/13/2022 | 12:00:00 - 12:15:00 | 21 | 5 | 21 | 88 | 25 | 4.1 | 358.1 | 4.4 | 85.6 | 985.7 |
| 01/13/2022 | 12:15:00 - 12:30:00 | 20 | 5 | 21 | 84 | 24 | 4.3 | 345.1 | 5.0 | 83.5 | 985.8 |
| 01/13/2022 | 12:30:00 - 12:45:00 | 21 | 12 | 22 | 82 | 24 | 4.7 | 337.6 | 5.4 | 81.7 | 985.6 |
| 01/13/2022 | 12:45:00 - 13:00:00 | 20 | 18 | 20 | 79 | 24 | 5.6 | 331.2 | 5.8 | 80.0 | 985.8 |
| 01/13/2022 | 13:00:00 - 13:15:00 | 19 | 17 | 19 | 75 | 23 | 5.8 | 344.2 | 6.1 | 78.4 | 985.9 |
| 01/13/2022 | 13:15:00 - 13:30:00 | 18 | 17 | 18 | 74 | 22 | 5.8 | 332.0 | 6.1 | 79.4 | 985.9 |
| 01/13/2022 | 13:30:00 - 13:45:00 | 18 | 16 | 18 | 70 | 21 | 5.8 | 347.7 | 6.2 | 79.0 | 985.9 |
| 01/13/2022 | 13:45:00 - 14:00:00 | 15 | 14 | 15 | 60 | 17 | 6.0 | 344.8 | 6.2 | 78.3 | 986.2 |
| 01/13/2022 | 14:00:00 - 14:15:00 | 15 | 13 | 14 | 57 | 16 | 6.0 | 336.3 | 6.0 | 79.0 | 986.4 |
| 01/13/2022 | 14:15:00 - 14:30:00 | 14 | 13 | 14 | 56 | 16 | 7.0 | 333.7 | 5.2 | 80.7 | 986.6 |
| 01/13/2022 | 14:30:00 - 14:45:00 | 15 | 14 | 15 | 59 | 17 | 6.6 | 340.3 | 4.5 | 83.0 | 986.8 |
| 01/13/2022 | 14:45:00 - 15:00:00 | 15 | 15 | 16 | 63 | 18 | 6.0 | 349.2 | 4.0 | 84.1 | 987.0 |
| 01/13/2022 | 15:00:00 - 15:15:00 | 17 | 16 | 18 | 70 | 20 | 5.9 | 335.0 | 3.4 | 86.2 | 987.3 |
| 01/13/2022 | 15:15:00 - 15:30:00 | 18 | 16 | 19 | 72 | 21 | 5.7 | 341.8 | 2.9 | 87.4 | 987.4 |
| 01/13/2022 | 15:30:00 - 15:45:00 | 18 | 17 | 19 | 73 | 21 | 6.4 | 326.3 | 2.8 | 88.0 | 987.6 |
| 01/13/2022 | 15:45:00 - 16:00:00 | 17 | 17 | 18 | 72 | 21 | 7.0 | 328.4 | 2.6 | 88.7 | 987.8 |
| 01/13/2022 | 16:00:00 - 16:15:00 | 17 | 17 | 18 | 72 | 21 | 5.6 | 341.9 | 2.5 | 89.0 | 987.9 |
| 01/13/2022 | 16:15:00 - 16:30:00 | 17 | 17 | 19 | 72 | 21 | 4.4 | 343.7 | 2.5 | 89.0 | 988.1 |
| 01/13/2022 | 16:30:00 - 16:45:00 | 18 | 17 | 19 | 74 | 22 | 5.2 | 339.3 | 2.5 | 89.1 | 988.5 |
| 01/13/2022 | 16:45:00 - 17:00:00 | 17 | 16 | 18 | 70 | 20 | 5.5 | 336.0 | 2.5 | 89.0 | 988.6 |
| 01/13/2022 | 17:00:00 - 17:15:00 | 17 | 17 | 18 | 74 | 21 | 4.3 | 324.5 | 2.5 | 89.2 | 988.7 |
| 01/13/2022 | 17:15:00 - 17:30:00 | 18 | 19 | 19 | 78 | 22 | 3.9 | 322.9 | 2.5 | 90.0 | 988.9 |
| 01/13/2022 | 17:30:00 - 17:45:00 | 18 | 21 | 19 | 78 | 22 | 3.5 | 312.7 | 2.4 | 89.9 | 988.9 |
| 01/13/2022 | 17:45:00 - 18:00:00 | 18 | 23 | 18 | 75 | 22 | 4.6 | 295.5 | 2.4 | 90.1 | 989.1 |
| 01/13/2022 | 18:00:00 - 18:15:00 | 18 | 22 | 19 | 80 | 23 | 4.3 | 305.1 | 2.3 | 91.0 | 989.3 |
| 01/13/2022 | 18:15:00 - 18:30:00 | 20 | 22 | 21 | 87 | 25 | 4.0 | 303.8 | 1.9 | 92.0 | 989.4 |
| 01/13/2022 | 18:30:00 - 18:45:00 | 21 | 22 | 21 | 89 | 26 | 6.0 | 313.4 | 1.5 | 94.1 | 989.5 |
| 01/13/2022 | 18:45:00 - 19:00:00 | 20 | 20 | 21 | 85 | 25 | 5.7 | 318.9 | 1.2 | 95.7 | 989.7 |
| 01/13/2022 | 19:00:00 - 19:15:00 | 20 | 20 | 20 | 83 | 25 | 5.6 | 334.9 | 0.9 | 96.7 | 989.8 |
| 01/13/2022 | 19:15:00 - 19:30:00 | 20 | 20 | 19 | 84 | 25 | 4.8 | 334.0 | 0.7 | 97.9 | 990.0 |
| 01/13/2022 | 19:30:00 - 19:45:00 | 20 | 20 | 17 | 83 | 25 | 5.5 | 331.8 | 0.5 | 98.6 | 990.0 |
| 01/13/2022 | 19:45:00 - 20:00:00 | 19 | 20 | 15 | 80 | 24 | 5.1 | 326.4 | 0.3 | 99.0 | 990.1 |
| 01/13/2022 | 20:00:00 - 20:15:00 | 18 | 19 | 12 | 77 | 24 | 5.3 | 329.9 | 0.1 | 99.5 | 990.1 |
| 01/13/2022 | 20:15:00 - 20:30:00 | 18 | 18 | 14 | 76 | 23 | 4.3 | 341.5 | -0.1 | 100.0 | 990.1 |
| 01/13/2022 | 20:30:00 - 20:45:00 | 17 | 18 | 13 | 72 | 23 | 3.4 | 346.1 | -0.3 | 100.0 | 990.0 |
| 01/13/2022 | 20:45:00 - 21:00:00 | 17 | 18 | 13 | 72 | 23 | 3.8 | 340.2 | -0.5 | 100.0 | 990.2 |
| 01/13/2022 | 21:00:00 - 21:15:00 | 16 | 17 | 11 | 66 | 22 | 3.3 | 343.8 | -0.7 | 100.0 | 990.3 |
| 01/13/2022 | 21:15:00 - 21:30:00 | 16 | 18 | 11 | 70 | 24 | 2.4 | 345.1 | -0.7 | 100.0 | 990.3 |
| 01/13/2022 | 21:30:00 - 21:45:00 | 16 | 17 | 12 | 70 | 24 | 3.7 | 355.7 | -0.8 | 100.0 | 990.2 |
| 01/13/2022 | 21:45:00 - 22:00:00 | 16 | 18 | 12 | 70 | 23 | 3.1 | 350.1 | -0.9 | 100.0 | 990.3 |
| 01/13/2022 | 22:00:00 - 22:15:00 | 16 | 18 | 11 | 77 | 28 | 2.3 | 20.0 | -1.0 | 100.0 | 990.4 |
| 01/13/2022 | 22:15:00 - 22:30:00 | 16 | 18 | 12 | 74 | 27 | 2.3 | 348.5 | -1.1 | 100.0 | 990.5 |
| 01/13/2022 | 22:30:00 - 22:45:00 | 16 | 18 | 12 | 70 | 24 | 2.0 | 330.9 | -1.2 | 100.0 | 990.5 |
| 01/13/2022 | 22:45:00 - 23:00:00 | 17 | 18 | 12 | 71 | 26 | 2.0 | 329.4 | -1.3 | 100.0 | 990.4 |
| 01/13/2022 | 23:00:00 - 23:15:00 | 18 | 19 | 13 | 73 | 25 | 2.0 | 317.8 | -1.3 | 100.0 | 990.3 |
| 01/13/2022 | 23:15:00 - 23:30:00 | 17 | 19 | 12 | 74 | 25 | 1.8 | 313.5 | -1.3 | 100.0 | 990.1 |
| 01/13/2022 | 23:30:00 - 23:45:00 | 16 | 18 | 13 | 73 | 24 | 2.3 | 324.4 | -1.4 | 100.0 | 990.3 |
| 01/14/2022 | 23:45:00 - 00:00:00 | 16 | 19 | 12 | 71 | 23 | 1.9 | 304.4 | -1.3 | 100.0 | 990.7 |
| 01/14/2022 | 00:00:00 - 00:15:00 | 16 | 20 | 12 | 71 | 22 | 2.6 | 299.0 | -1.4 | 100.0 | 990.8 |
| 01/14/2022 | 00:15:00 - 00:30:00 | 17 | 19 | 13 | 75 | 24 | 1.5 | 299.3 | -1.3 | 100.0 | 990.8 |
| 01/14/2022 | 00:30:00 - 00:45:00 | 17 | 18 | 14 | 76 | 24 | 2.0 | 318.5 | -1.3 | 100.0 | 990.8 |
| 01/14/2022 | 00:45:00 - 01:00:00 | 18 | 18 | 14 | 76 | 24 | 2.4 | 319.2 | -1.2 | 100.0 | 990.9 |
| 01/14/2022 | 01:00:00 - 01:15:00 | 17 | 18 | 13 | 78 | 25 | 1.5 | 318.3 | -1.2 | 100.0 | 990.8 |
| 01/14/2022 | 01:15:00 - 01:30:00 | 18 | 19 | 13 | 82 | 26 | 1.5 | 323.4 | -1.1 | 100.0 | 990.8 |
| 01/14/2022 | 01:30:00 - 01:45:00 | 18 | 19 | 14 | 85 | 27 | 1.4 | 354.7 | -1.1 | 100.0 | 990.9 |
| 01/14/2022 | 01:45:00 - 02:00:00 | 18 | 19 | 14 | 83 | 26 | 1.7 | 336.3 | -1.1 | 100.0 | 991.0 |
| 01/14/2022 | 02:00:00 - 02:15:00 | 18 | 19 | 15 | 81 | 25 | 1.8 | 331.5 | -1.1 | 100.0 | 991.0 |
| 01/14/2022 | 02:15:00 - 02:30:00 | 18 | 20 | 14 | 90 | 31 | 1.0 | 0.4 | -1.2 | 100.0 | 991.1 |
| 01/14/2022 | 02:30:00 - 02:45:00 | 16 | 18 | 11 | 97 | 38 | 1.7 | 39.4 | -1.3 | 100.0 | 991.0 |
| 01/14/2022 | 02:45:00 - 03:00:00 | 14 | 16 | 11 | 88 | 33 | 1.5 | 47.7 | -1.4 | 100.0 | 990.9 |
| 01/14/2022 | 03:00:00 - 03:15:00 | 14 | 15 | 12 | 84 | 27 | 1.5 | 27.0 | -1.4 | 100.0 | 990.9 |
| 01/14/2022 | 03:15:00 - 03:30:00 | 12 | 14 | 11 | 82 | 26 | 1.0 | 43.1 | -1.4 | 100.0 | 991.0 |
| 01/14/2022 | 03:30:00 - 03:45:00 | 11 | 13 | 11 | 84 | 26 | 1.0 | 38.2 | -1.3 | 100.0 | 991.0 |
| 01/14/2022 | 03:45:00 - 04:00:00 | 10 | 12 | 11 | 84 | 25 | 1.9 | 84.6 | -1.3 | 100.0 | 991.1 |
| 01/14/2022 | 04:00:00 - 04:15:00 | 10 | 11 | 11 | 83 | 25 | 1.6 | 77.5 | -1.3 | 100.0 | 991.1 |
| 01/14/2022 | 04:15:00 - 04:30:00 | 9 | 11 | 11 | 82 | 25 | 2.3 | 77.0 | -1.3 | 100.0 | 991.2 |
| 01/14/2022 | 04:30:00 - 04:45:00 | 8 | 10 | 10 | 73 | 21 | 2.7 | 80.9 | -1.3 | 100.0 | 991.1 |
| 01/14/2022 | 04:45:00 - 05:00:00 | 8 | 10 | 11 | 69 | 21 | 3.3 | 95.7 | -1.3 | 100.0 | 991.0 |
| 01/14/2022 | 05:00:00 - 05:15:00 | 9 | 11 | 11 | 72 | 22 | 3.0 | 91.2 | -1.3 | 100.0 | 991.2 |
| 01/14/2022 | 05:15:00 - 05:30:00 | 9 | 11 | 11 | 59 | 17 | 1.8 | 89.0 | -1.4 | 100.0 | 991.2 |
| 01/14/2022 | 05:30:00 - 05:45:00 | 9 | 11 | 11 | 56 | 16 | 0.3 | 218.2 | -1.3 | 100.0 | 991.4 |
| 01/14/2022 | 05:45:00 - 06:00:00 | 9 | 10 | 11 | 56 | 16 | 0.4 | 133.0 | -1.1 | 100.0 | 991.6 |
| 01/14/2022 | 06:00:00 - 06:15:00 | 10 | 11 | 11 | 58 | 17 | 0.3 | 38.9 | -1.0 | 100.0 | 991.7 |
| 01/14/2022 | 06:15:00 - 06:30:00 | 12 | 13 | 13 | 60 | 17 | 1.0 | 348.2 | -0.9 | 100.0 | 991.9 |
| 01/14/2022 | 06:30:00 - 06:45:00 | 13 | 14 | 13 | 62 | 18 | 1.1 | 332.2 | -0.8 | 100.0 | 992.1 |
| 01/14/2022 | 06:45:00 - 07:00:00 | 13 | 15 | 14 | 63 | 18 | 0.9 | 314.5 | -0.8 | 100.0 | 992.3 |
| 01/14/2022 | 07:00:00 - 07:15:00 | 14 | 15 | 14 | 64 | 19 | 1.7 | 349.5 | -0.7 | 100.0 | 992.4 |
| 01/14/2022 | 07:15:00 - 07:30:00 | 15 | 16 | 15 | 68 | 20 | 2.1 | 334.0 | -0.7 | 100.0 | 992.6 |
| 01/14/2022 | 07:30:00 - 07:45:00 | 16 | 17 | 16 | 72 | 21 | 2.1 | 339.5 | -0.6 | 100.0 | 992.5 |
| 01/14/2022 | 07:45:00 - 08:00:00 | 16 | 17 | 16 | 74 | 21 | 1.7 | 350.5 | -0.5 | 100.0 | 992.4 |
| 01/14/2022 | 08:00:00 - 08:15:00 | 16 | 16 | 15 | 71 | 21 | 1.6 | 350.2 | -0.5 | 100.0 | 992.5 |
| 01/14/2022 | 08:15:00 - 08:30:00 | 16 | 17 | 16 | 70 | 20 | 2.2 | 346.8 | -0.5 | 100.0 | 992.7 |
| 01/14/2022 | 08:30:00 - 08:45:00 | 16 | 16 | 16 | 68 | 20 | 2.2 | 350.0 | -0.4 | 100.0 | 992.8 |
| 01/14/2022 | 08:45:00 - 09:00:00 | 14 | 15 | 14 | 67 | 19 | 1.8 | 11.7 | -0.4 | 100.0 | 992.8 |
| 01/14/2022 | 09:00:00 - 09:15:00 | 12 | 13 | 14 | 62 | 17 | 2.3 | 3.3 | -0.3 | 100.0 | 993.2 |
| 01/14/2022 | 09:15:00 - 09:30:00 | 11 | 13 | 13 | 61 | 16 | 2.0 | 28.3 | -0.3 | 100.0 | 993.2 |
| 01/14/2022 | 09:30:00 - 09:45:00 | 12 | 17 | 14 | 64 | 18 | 2.5 | 11.5 | -0.2 | 100.0 | 993.4 |
| 01/14/2022 | 09:45:00 - 10:00:00 | 15 | 14 | 18 | 68 | 21 | 2.7 | 30.1 | -0.1 | 100.0 | 993.7 |
| 01/14/2022 | 10:00:00 - 10:15:00 | 13 | 14 | 15 | 69 | 19 | 2.3 | 39.9 | 0.2 | 100.0 | 993.8 |
| 01/14/2022 | 10:15:00 - 10:30:00 | 12 | 13 | 14 | 63 | 17 | 2.6 | 20.8 | 0.7 | 100.0 | 993.9 |
| 01/14/2022 | 10:30:00 - 10:45:00 | 11 | 12 | 14 | 58 | 15 | 2.7 | 44.7 | 1.0 | 100.0 | 993.8 |
| 01/14/2022 | 10:45:00 - 11:00:00 | 12 | 12 | 13 | 61 | 16 | 3.7 | 50.9 | 1.1 | 100.0 | 993.6 |
| 01/14/2022 | 11:00:00 - 11:15:00 | 13 | 14 | 14 | 68 | 17 | 4.3 | 53.9 | 1.3 | 100.0 | 993.4 |
| 01/14/2022 | 11:15:00 - 11:30:00 | 13 | 14 | 15 | 69 | 17 | 5.0 | 66.9 | 1.4 | 100.0 | 993.2 |
| 01/14/2022 | 11:30:00 - 11:45:00 | 14 | 14 | 15 | 69 | 17 | 4.8 | 66.4 | 1.7 | 99.7 | 993.1 |
| 01/14/2022 | 11:45:00 - 12:00:00 | 12 | 13 | 14 | 65 | 15 | 5.9 | 70.6 | 1.9 | 96.5 | 993.1 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 01/14/2022 | 12:00:00 - 12:15:00 | 13 | 13 | 14 | 60 | 16 | 6.1 | 75.1 | 2.1 | 92.2 | 992.9 |
| 01/14/2022 | 12:15:00 - 12:30:00 | 14 | 14 | 15 | 64 | 17 | 5.0 | 73.0 | 2.3 | 90.5 | 992.7 |
| 01/14/2022 | 12:30:00 - 12:45:00 | 14 | 14 | 15 | 72 | 17 | 5.3 | 62.9 | 2.7 | 88.7 | 992.5 |
| 01/14/2022 | 12:45:00 - 13:00:00 | 14 | 14 | 15 | 64 | 17 | 5.9 | 88.2 | 2.7 | 87.5 | 992.5 |
| 01/14/2022 | 13:00:00 - 13:15:00 | 14 | 14 | 15 | 66 | 17 | 4.6 | 77.7 | 2.8 | 86.7 | 992.6 |
| 01/14/2022 | 13:15:00 - 13:30:00 | 14 | 14 | 15 | 68 | 18 | 4.4 | 82.2 | 2.7 | 86.9 | 992.7 |
| 01/14/2022 | 13:30:00 - 13:45:00 | 15 | 14 | 16 | 68 | 18 | 5.9 | 90.7 | 2.6 | 86.4 | 992.6 |
| 01/14/2022 | 13:45:00 - 14:00:00 | 15 | 15 | 16 | 74 | 19 | 4.1 | 80.9 | 2.5 | 86.9 | 992.4 |
| 01/14/2022 | 14:00:00 - 14:15:00 | 15 | 16 | 17 | 71 | 19 | 5.6 | 75.7 | 2.4 | 87.0 | 992.4 |
| 01/14/2022 | 14:15:00 - 14:30:00 | 15 | 15 | 16 | 70 | 19 | 5.5 | 76.9 | 2.5 | 86.4 | 992.3 |
| 01/14/2022 | 14:30:00 - 14:45:00 | 16 | 16 | 17 | 72 | 20 | 5.4 | 70.3 | 2.5 | 87.0 | 992.3 |
| 01/14/2022 | 14:45:00 - 15:00:00 | 15 | 16 | 17 | 79 | 19 | 6.2 | 80.9 | 2.5 | 86.7 | 992.2 |
| 01/14/2022 | 15:00:00 - 15:15:00 | 15 | 15 | 16 | 74 | 18 | 4.9 | 81.4 | 2.6 | 85.8 | 992.3 |
| 01/14/2022 | 15:15:00 - 15:30:00 | 15 | 15 | 16 | 76 | 19 | 4.5 | 64.4 | 2.6 | 85.4 | 992.4 |
| 01/14/2022 | 15:30:00 - 15:45:00 | 15 | 15 | 16 | 70 | 19 | 6.5 | 80.5 | 2.5 | 84.5 | 992.4 |
| 01/14/2022 | 15:45:00 - 16:00:00 | 15 | 15 | 17 | 74 | 19 | 8.0 | 80.1 | 2.4 | 84.1 | 992.3 |
| 01/14/2022 | 16:00:00 - 16:15:00 | 15 | 16 | 17 | 74 | 19 | 6.2 | 75.3 | 2.3 | 84.8 | 992.3 |
| 01/14/2022 | 16:15:00 - 16:30:00 | 16 | 16 | 17 | 72 | 19 | 5.5 | 72.5 | 2.2 | 85.0 | 992.4 |
| 01/14/2022 | 16:30:00 - 16:45:00 | 16 | 18 | 17 | 81 | 20 | 5.5 | 77.7 | 2.1 | 85.6 | 992.4 |
| 01/14/2022 | 16:45:00 - 17:00:00 | 16 | 17 | 18 | 77 | 21 | 5.4 | 76.8 | 1.9 | 86.2 | 992.4 |
| 01/14/2022 | 17:00:00 - 17:15:00 | 17 | 17 | 18 | 76 | 21 | 4.3 | 82.1 | 1.8 | 86.8 | 992.5 |
| 01/14/2022 | 17:15:00 - 17:30:00 | 17 | 18 | 19 | 80 | 21 | 3.2 | 78.4 | 1.7 | 87.7 | 992.6 |
| 01/14/2022 | 17:30:00 - 17:45:00 | 18 | 18 | 19 | 80 | 22 | 3.7 | 79.9 | 1.6 | 88.0 | 992.6 |
| 01/14/2022 | 17:45:00 - 18:00:00 | 18 | 18 | 19 | 82 | 22 | 5.5 | 82.3 | 1.5 | 88.0 | 992.6 |
| 01/14/2022 | 18:00:00 - 18:15:00 | 17 | 19 | 19 | 84 | 22 | 4.8 | 76.6 | 1.4 | 88.0 | 992.7 |
| 01/14/2022 | 18:15:00 - 18:30:00 | 17 | 24 | 18 | 104 | 22 | 5.1 | 74.8 | 1.4 | 88.0 | 992.8 |
| 01/14/2022 | 18:30:00 - 18:45:00 | 17 | 23 | 18 | 101 | 22 | 4.7 | 76.8 | 1.3 | 88.0 | 993.0 |
| 01/14/2022 | 18:45:00 - 19:00:00 | 16 | 21 | 18 | 87 | 21 | 4.4 | 72.8 | 1.3 | 88.9 | 993.1 |
| 01/14/2022 | 19:00:00 - 19:15:00 | 16 | 20 | 18 | 88 | 22 | 3.6 | 71.6 | 1.3 | 89.0 | 993.2 |
| 01/14/2022 | 19:15:00 - 19:30:00 | 15 | 17 | 16 | 77 | 19 | 4.2 | 72.8 | 1.2 | 89.0 | 993.1 |
| 01/14/2022 | 19:30:00 - 19:45:00 | 15 | 17 | 16 | 71 | 19 | 4.5 | 77.6 | 1.2 | 89.0 | 993.1 |
| 01/14/2022 | 19:45:00 - 20:00:00 | 14 | 15 | 15 | 65 | 17 | 5.5 | 81.3 | 1.2 | 89.0 | 993.1 |
| 01/14/2022 | 20:00:00 - 20:15:00 | 13 | 14 | 15 | 60 | 16 | 5.1 | 78.2 | 1.1 | 89.2 | 993.1 |
| 01/14/2022 | 20:15:00 - 20:30:00 | 13 | 14 | 14 | 61 | 16 | 5.6 | 76.3 | 1.1 | 89.0 | 993.1 |
| 01/14/2022 | 20:30:00 - 20:45:00 | 13 | 14 | 14 | 60 | 16 | 6.4 | 81.5 | 1.1 | 89.5 | 993.1 |
| 01/14/2022 | 20:45:00 - 21:00:00 | 13 | 13 | 14 | 58 | 16 | 6.2 | 87.6 | 1.0 | 90.0 | 993.1 |
| 01/14/2022 | 21:00:00 - 21:15:00 | 12 | 13 | 14 | 57 | 16 | 6.8 | 80.6 | 0.9 | 90.0 | 993.1 |
| 01/14/2022 | 21:15:00 - 21:30:00 | 13 | 14 | 14 | 60 | 16 | 5.7 | 82.6 | 0.9 | 90.0 | 993.2 |
| 01/14/2022 | 21:30:00 - 21:45:00 | 14 | 14 | 15 | 62 | 17 | 6.3 | 84.3 | 0.9 | 89.1 | 993.1 |
| 01/14/2022 | 21:45:00 - 22:00:00 | 14 | 15 | 16 | 66 | 17 | 5.1 | 87.5 | 0.8 | 89.0 | 993.2 |
| 01/14/2022 | 22:00:00 - 22:15:00 | 15 | 16 | 16 | 68 | 18 | 6.4 | 85.0 | 0.8 | 89.0 | 993.3 |
| 01/14/2022 | 22:15:00 - 22:30:00 | 16 | 17 | 18 | 74 | 20 | 6.1 | 84.5 | 0.7 | 89.0 | 993.3 |
| 01/14/2022 | 22:30:00 - 22:45:00 | 18 | 18 | 19 | 78 | 21 | 6.0 | 85.9 | 0.6 | 89.0 | 993.4 |
| 01/14/2022 | 22:45:00 - 23:00:00 | 18 | 18 | 19 | 81 | 22 | 7.3 | 91.2 | 0.5 | 89.0 | 993.4 |
| 01/14/2022 | 23:00:00 - 23:15:00 | 18 | 19 | 20 | 83 | 22 | 6.5 | 85.8 | 0.5 | 89.4 | 993.4 |
| 01/14/2022 | 23:15:00 - 23:30:00 | 19 | 19 | 20 | 83 | 23 | 6.9 | 87.3 | 0.4 | 90.0 | 993.5 |
| 01/14/2022 | 23:30:00 - 23:45:00 | 19 | 20 | 21 | 87 | 24 | 6.5 | 84.8 | 0.4 | 90.0 | 993.6 |
| 01/15/2022 | 23:45:00 - 00:00:00 | 20 | 21 | 22 | 91 | 25 | 6.4 | 85.9 | 0.4 | 90.0 | 993.8 |
| 01/15/2022 | 00:00:00 - 00:15:00 | 21 | 21 | 22 | 92 | 26 | 7.2 | 87.0 | 0.3 | 90.4 | 993.7 |
| 01/15/2022 | 00:15:00 - 00:30:00 | 21 | 21 | 22 | 93 | 26 | 8.7 | 91.2 | 0.1 | 91.2 | 993.5 |
| 01/15/2022 | 00:30:00 - 00:45:00 | 21 | 21 | 22 | 93 | 26 | 8.4 | 89.6 | 0.1 | 92.0 | 993.5 |
| 01/15/2022 | 00:45:00 - 01:00:00 | 20 | 21 | 22 | 91 | 26 | 7.6 | 84.6 | 0.1 | 92.0 | 993.6 |
| 01/15/2022 | 01:00:00 - 01:15:00 | 19 | 20 | 21 | 88 | 25 | 7.4 | 87.3 | 0.0 | 92.0 | 993.6 |
| 01/15/2022 | 01:15:00 - 01:30:00 | 19 | 19 | 20 | 83 | 23 | 7.7 | 91.8 | 0.0 | 92.0 | 993.7 |
| 01/15/2022 | 01:30:00 - 01:45:00 | 17 | 18 | 19 | 80 | 22 | 7.6 | 83.2 | 0.0 | 92.0 | 993.9 |
| 01/15/2022 | 01:45:00 - 02:00:00 | 17 | 17 | 18 | 75 | 21 | 7.7 | 85.8 | 0.0 | 92.0 | 994.1 |
| 01/15/2022 | 02:00:00 - 02:15:00 | 18 | 19 | 19 | 80 | 23 | 9.0 | 87.2 | -0.1 | 92.2 | 994.3 |
| 01/15/2022 | 02:15:00 - 02:30:00 | 20 | 21 | 21 | 89 | 24 | 7.8 | 85.9 | -0.3 | 93.1 | 994.4 |
| 01/15/2022 | 02:30:00 - 02:45:00 | 22 | 22 | 23 | 96 | Offline | 7.6 | 85.7 | -0.5 | 94.4 | 994.4 |
| 01/15/2022 | 02:45:00 - 03:00:00 | 21 | 22 | 22 | 98 | Offline | 9.0 | 85.9 | -0.7 | 95.0 | 994.6 |
| 01/15/2022 | 03:00:00 - 03:15:00 | 20 | 20 | 21 | 91 | Offline | 8.4 | 81.8 | -1.0 | 95.9 | 994.6 |
| 01/15/2022 | 03:15:00 - 03:30:00 | 18 | 19 | 19 | 82 | Offline | 9.0 | 80.7 | -1.2 | 95.2 | 994.8 |
| 01/15/2022 | 03:30:00 - 03:45:00 | 17 | 18 | 18 | 77 | Offline | 8.6 | 90.2 | -1.4 | 95.1 | 995.0 |
| 01/15/2022 | 03:45:00 - 04:00:00 | 16 | 17 | 18 | 81 | Offline | 7.2 | 82.9 | -1.6 | 96.0 | 995.3 |
| 01/15/2022 | 04:00:00 - 04:15:00 | 15 | 16 | 17 | 72 | Offline | 8.2 | 76.5 | -1.9 | 95.9 | 995.3 |
| 01/15/2022 | 04:15:00 - 04:30:00 | 14 | 15 | 15 | 68 | Offline | 9.9 | 85.7 | -2.1 | 95.2 | 995.4 |
| 01/15/2022 | 04:30:00 - 04:45:00 | 12 | 13 | 13 | 55 | Offline | 10.4 | 84.5 | -2.4 | 95.0 | 995.4 |
| 01/15/2022 | 04:45:00 - 05:00:00 | 12 | 13 | 13 | 53 | Offline | 10.1 | 84.0 | -2.6 | 94.6 | 995.4 |
| 01/15/2022 | 05:00:00 - 05:15:00 | 9 | 11 | 11 | 44 | Offline | 9.5 | 86.6 | -2.9 | 94.0 | 995.7 |
| 01/15/2022 | 05:15:00 - 05:30:00 | 9 | 10 | 10 | 41 | Offline | 10.2 | 85.6 | -3.0 | 93.8 | 995.8 |
| 01/15/2022 | 05:30:00 - 05:45:00 | 7 | 8 | 8 | 33 | Offline | 9.4 | 84.6 | -3.2 | 92.7 | 995.8 |
| 01/15/2022 | 05:45:00 - 06:00:00 | 6 | 8 | 8 | 32 | Offline | 8.1 | 81.7 | -3.4 | 92.8 | 996.2 |
| 01/15/2022 | 06:00:00 - 06:15:00 | 8 | 9 | 9 | 38 | Offline | 9.5 | 86.9 | -3.6 | 92.6 | 996.3 |
| 01/15/2022 | 06:15:00 - 06:30:00 | 9 | 10 | 10 | 42 | Offline | 9.0 | 83.1 | -3.7 | 92.5 | 996.5 |
| 01/15/2022 | 06:30:00 - 06:45:00 | 9 | 11 | 10 | 44 | Offline | 9.1 | 90.7 | -3.9 | 91.9 | 996.7 |
| 01/15/2022 | 06:45:00 - 07:00:00 | 9 | 11 | 10 | 47 | Offline | 8.0 | 77.3 | -4.1 | 91.4 | 996.9 |
| 01/15/2022 | 07:00:00 - 07:15:00 | 9 | 10 | 9 | 42 | Offline | 7.5 | 84.0 | -4.4 | 91.0 | 997.1 |
| 01/15/2022 | 07:15:00 - 07:30:00 | 9 | 10 | 10 | 42 | Offline | 8.3 | 84.7 | -4.6 | 91.0 | 997.3 |
| 01/15/2022 | 07:30:00 - 07:45:00 | 9 | 10 | 9 | 43 | Offline | 6.3 | 85.6 | -4.6 | 91.0 | 997.5 |
| 01/15/2022 | 07:45:00 - 08:00:00 | 9 | 10 | 10 | 43 | Offline | 7.4 | 81.2 | -4.6 | 91.8 | 997.7 |
| 01/15/2022 | 08:00:00 - 08:15:00 | 9 | 9 | 9 | 41 | Offline | 6.9 | 78.7 | -4.4 | 92.1 | 998.1 |
| 01/15/2022 | 08:15:00 - 08:30:00 | 7 | 8 | 8 | 38 | Offline | 8.4 | 70.8 | -4.6 | 89.8 | 998.4 |
| 01/15/2022 | 08:30:00 - 08:45:00 | 6 | 7 | 7 | 36 | Offline | 8.7 | 72.0 | -4.6 | 88.3 | 998.2 |
| 01/15/2022 | 08:45:00 - 09:00:00 | 5 | 7 | 7 | 31 | Offline | 9.1 | 73.0 | -4.6 | 86.8 | 998.1 |
| 01/15/2022 | 09:00:00 - 09:15:00 | 5 | 7 | 7 | 30 | Offline | 8.9 | 70.9 | -4.6 | 85.8 | 998.1 |
| 01/15/2022 | 09:15:00 - 09:30:00 | 6 | 7 | 8 | 35 | Offline | 8.6 | 73.9 | -4.6 | 86.9 | 998.1 |
| 01/15/2022 | 09:30:00 - 09:45:00 | 6 | 7 | 8 | 33 | Offline | 9.0 | 67.8 | -5.2 | 86.9 | 998.2 |
| 01/15/2022 | 09:45:00 - 10:00:00 | 5 | 7 | 7 | 31 | Offline | 9.9 | 72.4 | -4.9 | 85.3 | 998.3 |
| 01/15/2022 | 10:00:00 - 10:15:00 | 5 | 6 | 7 | 31 | Offline | 9.0 | 77.5 | -4.5 | 84.5 | 998.6 |
| 01/15/2022 | 10:15:00 - 10:30:00 | 4 | 6 | 6 | 28 | Offline | 8.1 | 65.5 | -4.4 | 82.7 | 999.0 |
| 01/15/2022 | 10:30:00 - 10:45:00 | 4 | 5 | 6 | 29 | Offline | 7.8 | 63.9 | -4.4 | 81.5 | 999.0 |
| 01/15/2022 | 10:45:00 - 11:00:00 | 4 | 5 | 6 | 27 | Offline | 8.2 | 65.2 | -4.3 | 80.3 | 998.9 |
| 01/15/2022 | 11:00:00 - 11:15:00 | 4 | 5 | 6 | 29 | Offline | 8.1 | 67.5 | -4.1 | 79.3 | 998.8 |
| 01/15/2022 | 11:15:00 - 11:30:00 | 4 | 5 | 6 | 27 | Offline | 7.8 | 64.7 | -3.8 | 79.5 | 998.6 |
| 01/15/2022 | 11:30:00 - 11:45:00 | 4 | 5 | 6 | 27 | Offline | 7.8 | 73.7 | -3.9 | 79.5 | 998.3 |
| 01/15/2022 | 11:45:00 - 12:00:00 | 4 | 5 | 6 | 26 | Offline | 8.7 | 69.1 | -4.1 | 79.8 | 998.3 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 01/15/2022 | 12:00:00 - 12:15:00 | 5 | 5 | 6 | 27 | Offline | 7.7 | 59.8 | -3.8 | 79.3 | 998.2 |
| 01/15/2022 | 12:15:00 - 12:30:00 | 4 | 5 | 6 | 28 | Offline | 9.0 | 64.6 | -3.7 | 78.3 | 998.0 |
| 01/15/2022 | 12:30:00 - 12:45:00 | 4 | 5 | 6 | 28 | Offline | 8.1 | 65.3 | -3.9 | 78.8 | 997.7 |
| 01/15/2022 | 12:45:00 - 13:00:00 | 4 | 5 | 6 | 30 | Offline | 8.1 | 71.4 | -3.3 | 78.2 | 997.4 |
| 01/15/2022 | 13:00:00 - 13:15:00 | 4 | 5 | 5 | 28 | Offline | 9.5 | 75.1 | -3.2 | 76.8 | 997.3 |
| 01/15/2022 | 13:15:00 - 13:30:00 | 4 | 5 | 5 | 28 | Offline | 9.5 | 71.1 | -3.0 | 75.5 | 997.2 |
| 01/15/2022 | 13:30:00 - 13:45:00 | 4 | 5 | 5 | 27 | Offline | 9.2 | 67.9 | -2.8 | 74.7 | 997.1 |
| 01/15/2022 | 13:45:00 - 14:00:00 | 4 | 5 | 5 | 29 | Offline | 8.2 | 65.0 | -2.6 | 74.3 | 996.9 |
| 01/15/2022 | 14:00:00 - 14:15:00 | 4 | 5 | 5 | 33 | Offline | 8.1 | 72.4 | -2.3 | 73.7 | 996.7 |
| 01/15/2022 | 14:15:00 - 14:30:00 | 4 | 5 | 5 | 28 | Offline | 8.9 | 80.3 | -2.2 | 72.4 | 996.5 |
| 01/15/2022 | 14:30:00 - 14:45:00 | 4 | 6 | 6 | 31 | Offline | 8.3 | 69.2 | -2.2 | 72.0 | 996.5 |
| 01/15/2022 | 14:45:00 - 15:00:00 | 4 | 6 | 6 | 31 | Offline | 8.9 | 76.9 | -2.3 | 71.7 | 996.6 |
| 01/15/2022 | 15:00:00 - 15:15:00 | 5 | 6 | 6 | 32 | Offline | 8.1 | 78.3 | -2.3 | 71.6 | 996.9 |
| 01/15/2022 | 15:15:00 - 15:30:00 | 5 | 6 | 6 | 30 | Offline | 7.4 | 71.5 | -2.4 | 71.4 | 997.0 |
| 01/15/2022 | 15:30:00 - 15:45:00 | 5 | 7 | 7 | 36 | Offline | 7.7 | 70.6 | -2.6 | 72.0 | 997.1 |
| 01/15/2022 | 15:45:00 - 16:00:00 | 6 | 7 | 8 | 42 | Offline | 6.2 | 64.0 | -2.7 | 73.2 | 997.2 |
| 01/15/2022 | 16:00:00 - 16:15:00 | 7 | 7 | 9 | 37 | Offline | 6.5 | 63.3 | -2.8 | 73.4 | 997.2 |
| 01/15/2022 | 16:15:00 - 16:30:00 | 6 | 6 | 8 | 38 | Offline | 6.4 | 61.5 | -3.0 | 73.0 | 997.1 |
| 01/15/2022 | 16:30:00 - 16:45:00 | 6 | 7 | 8 | 38 | Offline | 6.1 | 67.9 | -3.1 | 74.3 | 997.1 |
| 01/15/2022 | 16:45:00 - 17:00:00 | 6 | 7 | 8 | 42 | Offline | 6.8 | 61.2 | -3.3 | 75.0 | 997.1 |
| 01/15/2022 | 17:00:00 - 17:15:00 | 6 | 7 | 8 | 40 | Offline | 6.6 | 68.9 | -3.5 | 75.8 | 997.0 |
| 01/15/2022 | 17:15:00 - 17:30:00 | 7 | 7 | 8 | 42 | Offline | 5.9 | 75.8 | -3.7 | 76.7 | 997.0 |
| 01/15/2022 | 17:30:00 - 17:45:00 | 7 | 8 | 8 | 40 | Offline | 4.9 | 70.5 | -3.9 | 76.9 | 997.1 |
| 01/15/2022 | 17:45:00 - 18:00:00 | 7 | 8 | 9 | 51 | Offline | 4.9 | 70.6 | -4.0 | 77.8 | 997.2 |
| 01/15/2022 | 18:00:00 - 18:15:00 | 7 | 8 | 9 | 55 | Offline | 4.6 | 67.7 | -4.3 | 79.6 | 997.1 |
| 01/15/2022 | 18:15:00 - 18:30:00 | 8 | 8 | 9 | 52 | Offline | 5.1 | 71.0 | -4.4 | 79.7 | 997.0 |
| 01/15/2022 | 18:30:00 - 18:45:00 | 8 | 8 | 9 | 47 | Offline | 5.6 | 71.0 | -4.5 | 79.0 | 996.9 |
| 01/15/2022 | 18:45:00 - 19:00:00 | 8 | 8 | 9 | 46 | Offline | 5.6 | 69.4 | -4.7 | 79.8 | 996.9 |
| 01/15/2022 | 19:00:00 - 19:15:00 | 8 | 8 | 9 | 46 | Offline | 5.3 | 69.7 | -4.8 | 80.3 | 997.0 |
| 01/15/2022 | 19:15:00 - 19:30:00 | 8 | 8 | 9 | 50 | Offline | 5.0 | 70.1 | -4.9 | 81.4 | 996.9 |
| 01/15/2022 | 19:30:00 - 19:45:00 | 8 | 8 | 8 | 53 | Offline | 4.5 | 70.1 | -5.1 | 82.3 | 996.8 |
| 01/15/2022 | 19:45:00 - 20:00:00 | 8 | 8 | 8 | 56 | Offline | 5.0 | 72.3 | -5.3 | 83.0 | 996.8 |
| 01/15/2022 | 20:00:00 - 20:15:00 | 7 | 8 | 8 | 51 | Offline | 4.4 | 70.0 | -5.4 | 83.0 | 996.7 |
| 01/15/2022 | 20:15:00 - 20:30:00 | 7 | 8 | 8 | 51 | Offline | 4.4 | 73.4 | -5.6 | 83.0 | 996.7 |
| 01/15/2022 | 20:30:00 - 20:45:00 | 7 | 8 | 8 | 42 | Offline | 4.9 | 79.5 | -5.7 | 82.4 | 996.6 |
| 01/15/2022 | 20:45:00 - 21:00:00 | 8 | 8 | 8 | 38 | Offline | 4.8 | 87.1 | -5.9 | 82.0 | 996.5 |
| 01/15/2022 | 21:00:00 - 21:15:00 | 8 | 8 | 8 | 44 | Offline | 5.0 | 77.7 | -5.9 | 80.7 | 996.3 |
| 01/15/2022 | 21:15:00 - 21:30:00 | 8 | 8 | 8 | 40 | Offline | 4.7 | 84.3 | -6.0 | 80.1 | 996.3 |
| 01/15/2022 | 21:30:00 - 21:45:00 | 8 | 9 | 9 | 53 | Offline | 4.6 | 80.2 | -6.1 | 80.1 | 996.3 |
| 01/15/2022 | 21:45:00 - 22:00:00 | 8 | 8 | 9 | 64 | Offline | 3.7 | 72.2 | -6.3 | 81.3 | 996.3 |
| 01/15/2022 | 22:00:00 - 22:15:00 | 8 | 9 | 9 | 67 | Offline | 4.0 | 79.6 | -6.5 | 82.8 | 996.2 |
| 01/15/2022 | 22:15:00 - 22:30:00 | 8 | 9 | 9 | 60 | Offline | 3.8 | 79.3 | -6.7 | 83.0 | 996.1 |
| 01/15/2022 | 22:30:00 - 22:45:00 | 9 | 9 | 10 | 66 | Offline | 3.2 | 82.5 | -6.9 | 83.9 | 995.9 |
| 01/15/2022 | 22:45:00 - 23:00:00 | 9 | 9 | 10 | 58 | Offline | 3.6 | 80.9 | -7.1 | 84.5 | 995.7 |
| 01/15/2022 | 23:00:00 - 23:15:00 | 9 | 9 | 9 | 54 | Offline | 3.3 | 81.4 | -7.3 | 85.1 | 995.5 |
| 01/15/2022 | 23:15:00 - 23:30:00 | 9 | 9 | 10 | 49 | Offline | 2.8 | 85.3 | -7.5 | 86.0 | 995.3 |
| 01/15/2022 | 23:30:00 - 23:45:00 | 9 | 9 | 9 | 48 | Offline | 3.0 | 87.1 | -7.5 | 86.0 | 995.1 |
| 01/16/2022 | 23:45:00 - 00:00:00 | 9 | 9 | 10 | 60 | Offline | 2.7 | 84.8 | -7.6 | 86.0 | 995.2 |
| 01/16/2022 | 00:00:00 - 00:15:00 | 9 | 9 | 9 | 59 | Offline | 3.0 | 81.0 | -7.6 | 86.0 | 995.1 |
| 01/16/2022 | 00:15:00 - 00:30:00 | 14 | 11 | 15 | 55 | Offline | 2.9 | 74.6 | -7.9 | 86.1 | 993.7 |
| 01/16/2022 | 00:30:00 - 00:45:00 | 10 | 8 | 11 | 67 | Offline | 2.9 | 71.3 | -7.9 | 86.6 | 993.8 |
| 01/16/2022 | 00:45:00 - 01:00:00 | 10 | 8 | 11 | 62 | Offline | 2.7 | 77.7 | -8.0 | 86.7 | 994.0 |
| 01/16/2022 | 01:00:00 - 01:15:00 | 10 | 8 | 10 | 68 | Offline | 2.4 | 83.5 | -8.1 | 86.7 | 993.6 |
| 01/16/2022 | 01:15:00 - 01:30:00 | 9 | 7 | 9 | 83 | Offline | 2.3 | 76.3 | -8.2 | 86.3 | 993.9 |
| 01/16/2022 | 01:30:00 - 01:45:00 | 7 | 7 | 8 | 70 | Offline | 2.2 | 63.1 | -8.3 | 87.0 | 993.6 |
| 01/16/2022 | 01:45:00 - 02:00:00 | 8 | 8 | 9 | 57 | Offline | 2.5 | 69.9 | -8.4 | 87.6 | 993.7 |
| 01/16/2022 | 02:00:00 - 02:15:00 | 7 | 8 | 8 | 61 | Offline | 3.3 | 73.6 | -8.5 | 88.0 | 993.7 |
| 01/16/2022 | 02:15:00 - 02:30:00 | 7 | 9 | 8 | 50 | Offline | 3.5 | 88.0 | -8.7 | 88.0 | 993.6 |
| 01/16/2022 | 02:30:00 - 02:45:00 | 8 | 9 | 9 | 59 | Offline | 3.4 | 88.2 | -8.8 | 88.7 | 993.6 |
| 01/16/2022 | 02:45:00 - 03:00:00 | 8 | 9 | 9 | 42 | Offline | 3.0 | 91.9 | -8.9 | 89.0 | 993.3 |
| 01/16/2022 | 03:00:00 - 03:15:00 | 8 | 11 | 9 | 50 | Offline | 3.4 | 91.1 | -9.0 | 89.0 | 993.0 |
| 01/16/2022 | 03:15:00 - 03:30:00 | 9 | 10 | 10 | 54 | Offline | 3.2 | 90.6 | -9.1 | 89.0 | 992.6 |
| 01/16/2022 | 03:30:00 - 03:45:00 | 9 | 9 | 10 | 55 | Offline | 2.7 | 91.6 | -9.1 | 89.0 | 992.4 |
| 01/16/2022 | 03:45:00 - 04:00:00 | 9 | 9 | 9 | 59 | Offline | 1.4 | 84.8 | -9.3 | 89.7 | 992.3 |
| 01/16/2022 | 04:00:00 - 04:15:00 | 9 | 9 | 9 | 71 | Offline | 1.7 | 68.2 | -9.4 | 90.0 | 992.0 |
| 01/16/2022 | 04:15:00 - 04:30:00 | 9 | 9 | 9 | 70 | Offline | 2.1 | 74.3 | -9.5 | 90.0 | 991.6 |
| 01/16/2022 | 04:30:00 - 04:45:00 | 9 | 9 | 9 | 60 | Offline | 1.2 | 55.8 | -9.6 | 90.2 | 991.3 |
| 01/16/2022 | 04:45:00 - 05:00:00 | 9 | 9 | 9 | 70 | Offline | 1.6 | 70.1 | -9.8 | 91.0 | 991.4 |
| 01/16/2022 | 05:00:00 - 05:15:00 | 9 | 9 | 9 | 68 | Offline | 1.5 | 77.2 | -9.9 | 91.0 | 991.4 |
| 01/16/2022 | 05:15:00 - 05:30:00 | 10 | 9 | 10 | 62 | Offline | 1.8 | 82.5 | -10.0 | 91.4 | 991.2 |
| 01/16/2022 | 05:30:00 - 05:45:00 | 10 | 9 | 9 | 47 | Offline | 1.6 | 101.8 | -10.0 | 92.0 | 991.0 |
| 01/16/2022 | 05:45:00 - 06:00:00 | 10 | 10 | 10 | 50 | Offline | 2.5 | 91.1 | -10.0 | 92.0 | 990.6 |
| 01/16/2022 | 06:00:00 - 06:15:00 | 9 | 9 | 9 | 56 | Offline | 2.0 | 87.5 | -10.1 | 92.0 | 990.5 |
| 01/16/2022 | 06:15:00 - 06:30:00 | 9 | 10 | 9 | 44 | Offline | 2.9 | 95.5 | -10.2 | 92.0 | 990.3 |
| 01/16/2022 | 06:30:00 - 06:45:00 | 9 | 9 | 9 | 40 | Offline | 1.9 | 94.6 | -10.3 | 92.0 | 990.2 |
| 01/16/2022 | 06:45:00 - 07:00:00 | 9 | 9 | 9 | 45 | Offline | 0.9 | 61.1 | -10.4 | 93.0 | 990.2 |
| 01/16/2022 | 07:00:00 - 07:15:00 | 10 | 9 | 9 | 56 | Offline | 1.7 | 99.7 | -10.6 | 93.0 | 990.0 |
| 01/16/2022 | 07:15:00 - 07:30:00 | 10 | 15 | 9 | 62 | Offline | 1.9 | 109.5 | -10.7 | 93.0 | 989.8 |
| 01/16/2022 | 07:30:00 - 07:45:00 | 12 | 10 | 11 | 38 | Offline | 0.8 | 345.5 | -10.5 | 93.0 | 990.0 |
| 01/16/2022 | 07:45:00 - 08:00:00 | 10 | 9 | 9 | 55 | Offline | 0.7 | 40.9 | -10.0 | 92.4 | 989.8 |
| 01/16/2022 | 08:00:00 - 08:15:00 | 10 | 8 | 10 | 63 | Offline | 1.1 | 82.6 | -9.6 | 91.2 | 989.6 |
| 01/16/2022 | 08:15:00 - 08:30:00 | 9 | 8 | 10 | 50 | Offline | 1.1 | 10.1 | -9.1 | 90.1 | 989.1 |
| 01/16/2022 | 08:30:00 - 08:45:00 | 10 | 8 | 10 | 36 | Offline | 1.4 | 7.2 | -8.8 | 89.2 | 988.5 |
| 01/16/2022 | 08:45:00 - 09:00:00 | 9 | 8 | 10 | 40 | Offline | 1.7 | 19.6 | -8.2 | 88.4 | 988.2 |
| 01/16/2022 | 09:00:00 - 09:15:00 | 8 | 8 | 10 | 48 | Offline | 3.3 | 87.1 | -7.5 | 86.6 | 987.9 |
| 01/16/2022 | 09:15:00 - 09:30:00 | 8 | 8 | 9 | 35 | Offline | 1.4 | 53.8 | -6.7 | 83.7 | 987.8 |
| 01/16/2022 | 09:30:00 - 09:45:00 | 8 | 8 | 9 | 42 | Offline | 2.3 | 355.6 | -6.3 | 82.5 | 987.6 |
| 01/16/2022 | 09:45:00 - 10:00:00 | 8 | 8 | 9 | 40 | Offline | 1.6 | 23.8 | -5.5 | 81.2 | 987.4 |
| 01/16/2022 | 10:00:00 - 10:15:00 | 7 | 8 | 9 | 37 | Offline | 2.0 | 27.5 | -5.1 | 79.6 | 987.2 |
| 01/16/2022 | 10:15:00 - 10:30:00 | 7 | 8 | 9 | 36 | Offline | 2.2 | 358.7 | -4.6 | 78.8 | 987.1 |
| 01/16/2022 | 10:30:00 - 10:45:00 | 7 | 8 | 9 | 36 | Offline | 2.4 | 4.9 | -4.2 | 77.3 | 986.9 |
| 01/16/2022 | 10:45:00 - 11:00:00 | 7 | 8 | 8 | 34 | Offline | 2.5 | 45.1 | -3.9 | 76.3 | 986.3 |
| 01/16/2022 | 11:00:00 - 11:15:00 | 7 | 7 | 8 | 34 | Offline | 2.2 | 14.8 | -3.4 | 75.4 | 986.1 |
| 01/16/2022 | 11:15:00 - 11:30:00 | 6 | 7 | 8 | 30 | Offline | 3.4 | 335.3 | -3.1 | 74.6 | 986.1 |
| 01/16/2022 | 11:30:00 - 11:45:00 | 6 | 7 | 8 | 29 | Offline | 4.3 | 331.1 | -3.0 | 75.0 | 985.8 |
| 01/16/2022 | 11:45:00 - 12:00:00 | 6 | 6 | 8 | 29 | Offline | 3.3 | 346.9 | -2.7 | 74.6 | 985.3 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 01/16/2022 | 12:00:00 - 12:15:00 | 6 | 6 | 7 | 28 | Offline | 4.1 | 337.7 | -2.2 | 71.8 | 985.1 |
| 01/16/2022 | 12:15:00 - 12:30:00 | 6 | 6 | 7 | 28 | Offline | 3.5 | 349.7 | -1.7 | 69.6 | 984.8 |
| 01/16/2022 | 12:30:00 - 12:45:00 | 6 | 7 | 8 | 29 | Offline | 4.1 | 336.0 | -1.5 | 69.3 | 984.6 |
| 01/16/2022 | 12:45:00 - 13:00:00 | 6 | 7 | 7 | 30 | Offline | 3.6 | 357.2 | -1.3 | 67.2 | 984.3 |
| 01/16/2022 | 13:00:00 - 13:15:00 | 6 | 7 | 8 | 30 | Offline | 4.7 | 343.5 | -1.1 | 68.0 | 984.0 |
| 01/16/2022 | 13:15:00 - 13:30:00 | 6 | 7 | 7 | 30 | Offline | 4.8 | 342.7 | -1.1 | 68.1 | 983.7 |
| 01/16/2022 | 13:30:00 - 13:45:00 | 6 | 7 | 8 | 31 | Offline | 4.5 | 347.7 | -0.8 | 68.0 | 983.4 |
| 01/16/2022 | 13:45:00 - 14:00:00 | 7 | 7 | 8 | 32 | Offline | 3.5 | 355.3 | -0.7 | 67.9 | 983.2 |
| 01/16/2022 | 14:00:00 - 14:15:00 | 7 | 8 | 8 | 33 | Offline | 4.2 | 352.5 | -0.7 | 68.7 | 982.9 |
| 01/16/2022 | 14:15:00 - 14:30:00 | 8 | 8 | 9 | 34 | Offline | 4.7 | 332.4 | -0.9 | 69.8 | 982.7 |
| 01/16/2022 | 14:30:00 - 14:45:00 | 8 | 8 | 9 | 35 | Offline | 3.4 | 351.0 | -1.1 | 70.8 | 982.5 |
| 01/16/2022 | 14:45:00 - 15:00:00 | 8 | 8 | 9 | 36 | Offline | 3.9 | 335.2 | -1.5 | 71.5 | 982.2 |
| 01/16/2022 | 15:00:00 - 15:15:00 | 8 | 8 | 9 | 37 | Offline | 3.4 | 348.5 | -1.5 | 71.7 | 982.3 |
| 01/16/2022 | 15:15:00 - 15:30:00 | 8 | 8 | 9 | 36 | Offline | 3.7 | 331.0 | -1.6 | 72.2 | 982.1 |
| 01/16/2022 | 15:30:00 - 15:45:00 | 8 | 9 | 9 | 37 | Offline | 5.1 | 323.7 | -1.9 | 73.8 | 982.3 |
| 01/16/2022 | 15:45:00 - 16:00:00 | 9 | 9 | 10 | 40 | Offline | 4.4 | 314.2 | -2.1 | 74.5 | 982.3 |
| 01/16/2022 | 16:00:00 - 16:15:00 | 9 | 9 | 10 | 40 | Offline | 5.0 | 326.3 | -2.2 | 75.4 | 982.4 |
| 01/16/2022 | 16:15:00 - 16:30:00 | 9 | 9 | 10 | 40 | Offline | 4.9 | 323.4 | -2.4 | 77.0 | 982.3 |
| 01/16/2022 | 16:30:00 - 16:45:00 | 9 | 10 | 10 | 40 | Offline | 3.3 | 331.8 | -2.7 | 77.4 | 981.7 |
| 01/16/2022 | 16:45:00 - 17:00:00 | 9 | 10 | 10 | 41 | Offline | 3.2 | 323.7 | -2.8 | 77.9 | 981.6 |
| 01/16/2022 | 17:00:00 - 17:15:00 | 9 | 9 | 10 | 40 | Offline | 4.5 | 328.1 | -3.0 | 78.1 | 981.7 |
| 01/16/2022 | 17:15:00 - 17:30:00 | 8 | 9 | 9 | 36 | Offline | 4.4 | 314.5 | -3.1 | 76.1 | 981.7 |
| 01/16/2022 | 17:30:00 - 17:45:00 | 7 | 8 | 9 | 34 | Offline | 3.7 | 317.5 | -3.2 | 75.6 | 981.6 |
| 01/16/2022 | 17:45:00 - 18:00:00 | 7 | 9 | 8 | 34 | Offline | 4.0 | 314.8 | -3.3 | 75.6 | 981.5 |
| 01/16/2022 | 18:00:00 - 18:15:00 | 7 | 8 | 9 | 34 | Offline | 4.9 | 320.5 | -3.3 | 75.5 | 981.5 |
| 01/16/2022 | 18:15:00 - 18:30:00 | 7 | 8 | 8 | 33 | Offline | 4.8 | 316.6 | -3.3 | 74.5 | 981.4 |
| 01/16/2022 | 18:30:00 - 18:45:00 | 7 | 9 | 9 | 35 | Offline | 4.4 | 315.5 | -3.3 | 76.7 | 981.6 |
| 01/16/2022 | 18:45:00 - 19:00:00 | 7 | 8 | 9 | 35 | Offline | 4.3 | 321.2 | -3.3 | 77.0 | 981.3 |
| 01/16/2022 | 19:00:00 - 19:15:00 | 7 | 9 | 9 | 35 | Offline | 4.1 | 312.3 | -3.3 | 77.3 | 981.5 |
| 01/16/2022 | 19:15:00 - 19:30:00 | 7 | 8 | 8 | 34 | Offline | 5.0 | 311.8 | -3.3 | 76.9 | 981.4 |
| 01/16/2022 | 19:30:00 - 19:45:00 | 7 | 9 | 9 | 35 | Offline | 3.2 | 318.8 | -3.3 | 78.9 | 981.3 |
| 01/16/2022 | 19:45:00 - 20:00:00 | 8 | 9 | 9 | 36 | Offline | 4.0 | 321.6 | -3.2 | 79.6 | 981.2 |
| 01/16/2022 | 20:00:00 - 20:15:00 | 7 | 8 | 9 | 34 | Offline | 3.8 | 318.9 | -3.1 | 79.0 | 981.2 |
| 01/16/2022 | 20:15:00 - 20:30:00 | 7 | 8 | 9 | 34 | Offline | 3.7 | 312.2 | -3.0 | 78.2 | 981.3 |
| 01/16/2022 | 20:30:00 - 20:45:00 | 7 | 9 | 9 | 35 | Offline | 4.4 | 300.3 | -3.0 | 77.3 | 981.3 |
| 01/16/2022 | 20:45:00 - 21:00:00 | 7 | 9 | 9 | 35 | Offline | 4.2 | 294.7 | -3.0 | 76.0 | 981.3 |
| 01/16/2022 | 21:00:00 - 21:15:00 | 8 | 10 | 9 | 37 | Offline | 4.3 | 305.6 | -3.3 | 80.3 | 981.2 |
| 01/16/2022 | 21:15:00 - 21:30:00 | 9 | 11 | 11 | 43 | Offline | 3.8 | 301.5 | -3.5 | 83.9 | 981.0 |
| 01/16/2022 | 21:30:00 - 21:45:00 | 11 | 12 | 12 | 49 | Offline | 3.5 | 284.4 | -3.8 | 86.9 | 980.8 |
| 01/16/2022 | 21:45:00 - 22:00:00 | 12 | 13 | 13 | 53 | Offline | 5.2 | 292.1 | -4.2 | 88.9 | 980.6 |
| 01/16/2022 | 22:00:00 - 22:15:00 | 11 | 13 | 12 | 50 | Offline | 3.7 | 287.5 | -4.4 | 89.0 | 980.4 |
| 01/16/2022 | 22:15:00 - 22:30:00 | 11 | 13 | 13 | 50 | Offline | 4.0 | 290.4 | -4.3 | 88.5 | 980.2 |
| 01/16/2022 | 22:30:00 - 22:45:00 | 12 | 13 | 13 | 52 | Offline | 5.1 | 286.9 | -4.2 | 86.6 | 980.2 |
| 01/16/2022 | 22:45:00 - 23:00:00 | 12 | 14 | 14 | 55 | Offline | 6.5 | 291.4 | -4.3 | 86.0 | 980.2 |
| 01/16/2022 | 23:00:00 - 23:15:00 | 13 | 15 | 14 | 58 | Offline | 5.7 | 291.5 | -4.4 | 87.1 | 980.0 |
| 01/16/2022 | 23:15:00 - 23:30:00 | 14 | 16 | 15 | 61 | Offline | 6.5 | 292.8 | -4.5 | 87.9 | 980.1 |
| 01/16/2022 | 23:30:00 - 23:45:00 | 15 | 16 | 16 | 64 | Offline | 5.0 | 297.1 | -4.5 | 88.8 | 980.1 |
| 01/17/2022 | 23:45:00 - 00:00:00 | 16 | 16 | 16 | 66 | Offline | 4.5 | 309.8 | -4.5 | 88.9 | 979.9 |
| 01/17/2022 | 00:00:00 - 00:15:00 | 16 | 16 | 17 | 67 | Offline | 4.4 | 319.4 | -4.5 | 88.9 | 979.8 |
| 01/17/2022 | 00:15:00 - 00:30:00 | 16 | 16 | 17 | 68 | Offline | 5.9 | 315.5 | -4.5 | 87.9 | 979.9 |
| 01/17/2022 | 00:30:00 - 00:45:00 | 17 | 17 | 18 | 72 | Offline | 5.6 | 308.2 | -4.6 | 86.3 | 980.0 |
| 01/17/2022 | 00:45:00 - 01:00:00 | 18 | 18 | 19 | 75 | Offline | 5.4 | 326.8 | -4.8 | 86.0 | 980.0 |
| 01/17/2022 | 01:00:00 - 01:15:00 | 18 | 18 | 19 | 76 | Offline | 5.9 | 318.6 | -5.0 | 86.0 | 980.0 |
| 01/17/2022 | 01:15:00 - 01:30:00 | 18 | 18 | 18 | 74 | Offline | 6.1 | 316.0 | -5.0 | 86.0 | 980.1 |
| 01/17/2022 | 01:30:00 - 01:45:00 | 17 | 17 | 18 | 74 | Offline | 6.1 | 321.7 | -5.2 | 86.0 | 980.1 |
| 01/17/2022 | 01:45:00 - 02:00:00 | 18 | 17 | 18 | 74 | Offline | 4.7 | 322.2 | -5.3 | 86.0 | 980.0 |
| 01/17/2022 | 02:00:00 - 02:15:00 | 17 | 17 | 18 | 73 | Offline | 4.8 | 316.7 | -5.3 | 86.0 | 980.1 |
| 01/17/2022 | 02:15:00 - 02:30:00 | 17 | 17 | 18 | 73 | Offline | 5.1 | 303.2 | -5.3 | 86.0 | 980.3 |
| 01/17/2022 | 02:30:00 - 02:45:00 | 18 | 17 | 18 | 75 | Offline | 5.2 | 313.3 | -5.3 | 86.6 | 980.4 |
| 01/17/2022 | 02:45:00 - 03:00:00 | 17 | 17 | 18 | 72 | Offline | 6.3 | 315.6 | -5.3 | 86.0 | 980.4 |
| 01/17/2022 | 03:00:00 - 03:15:00 | 16 | 16 | 17 | 68 | Offline | 4.9 | 295.5 | -5.3 | 86.8 | 980.4 |
| 01/17/2022 | 03:15:00 - 03:30:00 | 15 | 16 | 16 | 67 | Offline | 4.8 | 304.8 | -5.3 | 87.0 | 980.5 |
| 01/17/2022 | 03:30:00 - 03:45:00 | 15 | 15 | 16 | 65 | Offline | 4.7 | 308.2 | -5.3 | 87.0 | 980.5 |
| 01/17/2022 | 03:45:00 - 04:00:00 | 14 | 15 | 15 | 60 | Offline | 4.8 | 314.3 | -5.4 | 87.0 | 980.5 |
| 01/17/2022 | 04:00:00 - 04:15:00 | 14 | 14 | 15 | 60 | Offline | 5.3 | 314.9 | -5.4 | 87.3 | 980.8 |
| 01/17/2022 | 04:15:00 - 04:30:00 | 13 | 14 | 15 | 59 | Offline | 4.8 | 306.3 | -5.3 | 88.0 | 981.0 |
| 01/17/2022 | 04:30:00 - 04:45:00 | 14 | 14 | 15 | 59 | Offline | 5.1 | 310.8 | -5.3 | 88.0 | 980.9 |
| 01/17/2022 | 04:45:00 - 05:00:00 | 14 | 14 | 15 | 60 | Offline | 5.0 | 297.0 | -5.3 | 88.0 | 980.9 |
| 01/17/2022 | 05:00:00 - 05:15:00 | 14 | 14 | 15 | 60 | Offline | 4.9 | 303.8 | -5.3 | 88.0 | 981.0 |
| 01/17/2022 | 05:15:00 - 05:30:00 | 13 | 14 | 14 | 59 | Offline | 4.6 | 303.2 | -5.2 | 88.0 | 981.2 |
| 01/17/2022 | 05:30:00 - 05:45:00 | 13 | 14 | 14 | 58 | Offline | 5.6 | 298.9 | -5.1 | 88.0 | 981.5 |
| 01/17/2022 | 05:45:00 - 06:00:00 | 13 | 14 | 14 | 57 | Offline | 6.0 | 296.7 | -5.1 | 88.0 | 981.6 |
| 01/17/2022 | 06:00:00 - 06:15:00 | 13 | 14 | 14 | 57 | Offline | 5.2 | 297.1 | -5.0 | 88.0 | 981.9 |
| 01/17/2022 | 06:15:00 - 06:30:00 | 13 | 14 | 14 | 57 | Offline | 5.4 | 288.3 | -5.0 | 88.0 | 982.3 |
| 01/17/2022 | 06:30:00 - 06:45:00 | 13 | 14 | 14 | 57 | Offline | 5.9 | 294.8 | -5.0 | 87.0 | 982.3 |
| 01/17/2022 | 06:45:00 - 07:00:00 | 13 | 14 | 14 | 57 | Offline | 5.2 | 297.4 | -4.8 | 86.9 | 982.5 |
| 01/17/2022 | 07:00:00 - 07:15:00 | 13 | 14 | 14 | 57 | Offline | 6.1 | 300.3 | -4.8 | 86.1 | 982.7 |
| 01/17/2022 | 07:15:00 - 07:30:00 | 14 | 14 | 15 | 57 | Offline | 5.4 | 302.5 | -4.6 | 86.0 | 982.8 |
| 01/17/2022 | 07:30:00 - 07:45:00 | 14 | 14 | 15 | 58 | Offline | 6.6 | 302.9 | -4.5 | 86.0 | 983.0 |
| 01/17/2022 | 07:45:00 - 08:00:00 | 14 | 14 | 15 | 63 | 24 | 5.9 | 305.0 | -4.5 | 86.0 | 983.0 |
| 01/17/2022 | 08:00:00 - 08:15:00 | 14 | 15 | 16 | 61 | 22 | 5.4 | 301.8 | -4.4 | 86.2 | 983.2 |
| 01/17/2022 | 08:15:00 - 08:30:00 | 15 | 15 | 18 | 60 | 20 | 7.2 | 297.9 | -4.4 | 85.9 | 983.6 |
| 01/17/2022 | 08:30:00 - 08:45:00 | 14 | 14 | 15 | 59 | 18 | 7.0 | 293.9 | -4.2 | 85.1 | 983.9 |
| 01/17/2022 | 08:45:00 - 09:00:00 | 13 | 13 | 14 | 57 | 17 | 6.6 | 297.8 | -4.0 | 84.5 | 984.2 |
| 01/17/2022 | 09:00:00 - 09:15:00 | 13 | 13 | 14 | 54 | 16 | 6.3 | 305.3 | -3.9 | 84.0 | 984.4 |
| 01/17/2022 | 09:15:00 - 09:30:00 | 12 | 12 | 14 | 52 | 15 | 5.8 | 306.7 | -3.7 | 84.0 | 984.6 |
| 01/17/2022 | 09:30:00 - 09:45:00 | 11 | 12 | 13 | 50 | 14 | 6.6 | 301.1 | -3.6 | 83.3 | 985.0 |
| 01/17/2022 | 09:45:00 - 10:00:00 | 11 | 11 | 12 | 48 | 13 | 7.0 | 313.6 | -3.3 | 82.5 | 985.3 |
| 01/17/2022 | 10:00:00 - 10:15:00 | 11 | 11 | 12 | 45 | 13 | 7.4 | 320.0 | -3.2 | 81.7 | 985.4 |
| 01/17/2022 | 10:15:00 - 10:30:00 | 10 | 10 | 11 | 43 | 12 | 7.3 | 319.5 | -3.0 | 81.2 | 985.4 |
| 01/17/2022 | 10:30:00 - 10:45:00 | 9 | 10 | 10 | 41 | 11 | 7.5 | 315.9 | -2.9 | 80.8 | 985.5 |
| 01/17/2022 | 10:45:00 - 11:00:00 | 9 | 9 | 10 | 38 | 10 | 1.8 | 327.4 | -2.6 | 80.5 | 985.5 |
| 01/17/2022 | 11:00:00 - 11:15:00 | 9 | 7 | 10 | 36 | 10 | 37.8 | 143.9 | -2.5 | 80.0 | 985.3 |
| 01/17/2022 | 11:15:00 - 11:30:00 | 14 | 5 | 12 | 16 | 13 | 40.1 | 144.0 | -2.3 | 80.2 | 985.4 |
| 01/17/2022 | 11:30:00 - 11:45:00 | 11 | 5 | 10 | 3 | 12 | 39.0 | 144.9 | -2.2 | 79.2 | 985.3 |
| 01/17/2022 | 11:45:00 - 12:00:00 | 11 | 4 | 9 | 2 | 11 | 37.3 | 143.9 | -2.1 | 78.1 | 985.2 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 01/17/2022 | 12:00:00 - 12:15:00 | 9 | 3 | 8 | 2 | 10 | 6.6 | 318.8 | -2.2 | 76.0 | 985.6 |
| 01/17/2022 | 12:15:00 - 12:30:00 | 7 | 3 | 7 | 2 | 8 | 7.6 | 327.1 | -2.4 | 74.5 | 985.9 |
| 01/17/2022 | 12:30:00 - 12:45:00 | 8 | 3 | 7 | 2 | 8 | 7.1 | 325.8 | -2.5 | 75.8 | 985.4 |
| 01/17/2022 | 12:45:00 - 13:00:00 | 7 | 3 | 7 | 2 | 8 | 7.5 | 298.4 | -2.7 | 76.9 | 985.4 |
| 01/17/2022 | 13:00:00 - 13:15:00 | 7 | 3 | 7 | 2 | 8 | 5.9 | 308.1 | -2.9 | 76.0 | 985.2 |
| 01/17/2022 | 13:15:00 - 13:30:00 | 10 | 4 | 9 | 2 | 10 | 5.6 | 316.9 | -2.8 | 75.8 | 985.2 |
| 01/17/2022 | 13:30:00 - 13:45:00 | 10 | 4 | 9 | 2 | 10 | 6.3 | 314.9 | -2.8 | 75.5 | 985.3 |
| 01/17/2022 | 13:45:00 - 14:00:00 | 11 | 4 | 9 | 2 | 10 | 7.1 | 304.5 | -2.7 | 75.6 | 985.6 |
| 01/17/2022 | 14:00:00 - 14:15:00 | 10 | 4 | 9 | 2 | 10 | 6.5 | 313.2 | -2.6 | 75.8 | 985.8 |
| 01/17/2022 | 14:15:00 - 14:30:00 | 9 | 4 | 8 | 2 | 10 | 6.1 | 302.0 | -2.5 | 76.0 | 986.0 |
| 01/17/2022 | 14:30:00 - 14:45:00 | 9 | 5 | 9 | 2 | 10 | 6.4 | 305.1 | -2.5 | 76.5 | 986.1 |
| 01/17/2022 | 14:45:00 - 15:00:00 | 10 | 5 | 9 | 3 | 11 | 5.0 | 304.0 | -2.3 | 76.7 | 986.2 |
| 01/17/2022 | 15:00:00 - 15:15:00 | 10 | 5 | 9 | 2 | 11 | 6.5 | 294.2 | -2.1 | 76.1 | 986.4 |
| 01/17/2022 | 15:15:00 - 15:30:00 | 10 | 5 | 9 | 2 | 11 | 5.4 | 292.6 | -2.0 | 76.0 | 986.4 |
| 01/17/2022 | 15:30:00 - 15:45:00 | 10 | 5 | 9 | 3 | 11 | 5.7 | 291.1 | -1.9 | 76.0 | 986.5 |
| 01/17/2022 | 15:45:00 - 16:00:00 | 11 | 5 | 10 | 3 | 12 | 4.2 | 292.3 | -1.8 | 76.0 | 986.6 |
| 01/17/2022 | 16:00:00 - 16:15:00 | 12 | 5 | 10 | 3 | 13 | 3.8 | 284.9 | -1.7 | 76.5 | 986.8 |
| 01/17/2022 | 16:15:00 - 16:30:00 | 12 | 6 | 11 | 3 | 13 | 4.7 | 279.8 | -1.6 | 77.3 | 986.6 |
| 01/17/2022 | 16:30:00 - 16:45:00 | 16 | 7 | 13 | 4 | 16 | 5.6 | 273.4 | -1.5 | 78.0 | 986.8 |
| 01/17/2022 | 16:45:00 - 17:00:00 | 16 | 7 | 13 | 4 | 16 | 5.1 | 274.5 | -1.5 | 79.4 | 986.9 |
| 01/17/2022 | 17:00:00 - 17:15:00 | 13 | 6 | 11 | 3 | 13 | 5.7 | 277.3 | -1.6 | 81.7 | 986.9 |
| 01/17/2022 | 17:15:00 - 17:30:00 | 13 | 6 | 11 | 3 | 14 | 4.6 | 277.6 | -1.6 | 82.4 | 987.2 |
| 01/17/2022 | 17:30:00 - 17:45:00 | 14 | 6 | 12 | 3 | 14 | 5.3 | 275.6 | -1.6 | 82.9 | 987.2 |
| 01/17/2022 | 17:45:00 - 18:00:00 | 13 | 6 | 11 | 3 | 13 | 6.0 | 272.7 | -1.7 | 80.1 | 987.3 |
| 01/17/2022 | 18:00:00 - 18:15:00 | 12 | 5 | 11 | 3 | 13 | 6.1 | 277.0 | -1.7 | 79.1 | 987.4 |
| 01/17/2022 | 18:15:00 - 18:30:00 | 11 | 5 | 10 | 3 | 12 | 5.7 | 278.5 | -1.9 | 79.0 | 987.6 |
| 01/17/2022 | 18:30:00 - 18:45:00 | 11 | 5 | 10 | 3 | 11 | 6.5 | 278.5 | -2.0 | 79.5 | 987.7 |
| 01/17/2022 | 18:45:00 - 19:00:00 | 12 | 5 | 10 | 3 | 12 | 6.0 | 273.3 | -2.1 | 79.0 | 987.9 |
| 01/17/2022 | 19:00:00 - 19:15:00 | 11 | 5 | 10 | 3 | 11 | 5.1 | 285.0 | -2.2 | 79.0 | 988.1 |
| 01/17/2022 | 19:15:00 - 19:30:00 | 10 | 5 | 9 | 2 | 10 | 5.0 | 283.5 | -2.3 | 79.5 | 988.4 |
| 01/17/2022 | 19:30:00 - 19:45:00 | 9 | 5 | 8 | 2 | 9 | 4.5 | 280.4 | -2.3 | 80.0 | 988.7 |
| 01/17/2022 | 19:45:00 - 20:00:00 | 9 | 4 | 8 | 2 | 9 | 3.6 | 277.9 | -2.3 | 80.8 | 988.8 |
| 01/17/2022 | 20:00:00 - 20:15:00 | 8 | 4 | 8 | 2 | 9 | 6.0 | 270.2 | -2.5 | 80.2 | 988.8 |
| 01/17/2022 | 20:15:00 - 20:30:00 | 8 | 4 | 8 | 2 | 8 | 5.6 | 270.9 | -2.6 | 80.0 | 989.0 |
| 01/17/2022 | 20:30:00 - 20:45:00 | 8 | 4 | 8 | 2 | 9 | 5.2 | 275.6 | -2.7 | 80.4 | 989.0 |
| 01/17/2022 | 20:45:00 - 21:00:00 | 8 | 4 | 8 | 2 | 9 | 6.3 | 278.0 | -2.8 | 80.5 | 989.2 |
| 01/17/2022 | 21:00:00 - 21:15:00 | 8 | 4 | 7 | 2 | 8 | 5.4 | 279.6 | -2.9 | 81.1 | 989.4 |
| 01/17/2022 | 21:15:00 - 21:30:00 | 8 | 4 | 8 | 2 | 9 | 3.8 | 269.9 | -3.1 | 82.1 | 989.2 |
| 01/17/2022 | 21:30:00 - 21:45:00 | 9 | 4 | 8 | 2 | 10 | 3.1 | 267.0 | -3.4 | 83.7 | 989.3 |
| 01/17/2022 | 21:45:00 - 22:00:00 | 9 | 4 | 8 | 2 | 9 | 2.9 | 270.6 | -3.6 | 84.6 | 989.2 |
| 01/17/2022 | 22:00:00 - 22:15:00 | 9 | 4 | 8 | 2 | 9 | 1.9 | 266.3 | -4.0 | 86.1 | 989.3 |
| 01/17/2022 | 22:15:00 - 22:30:00 | 11 | 4 | 9 | 2 | 11 | 1.6 | 248.8 | -4.2 | 87.3 | 989.2 |
| 01/17/2022 | 22:30:00 - 22:45:00 | 11 | 5 | 10 | 3 | 11 | 1.6 | 238.5 | -4.5 | 88.7 | 989.0 |
| 01/17/2022 | 22:45:00 - 23:00:00 | 11 | 5 | 10 | 3 | 11 | 2.0 | 253.9 | -4.4 | 89.1 | 989.1 |
| 01/17/2022 | 23:00:00 - 23:15:00 | 11 | 5 | 9 | 3 | 11 | 1.7 | 238.0 | -4.5 | 89.6 | 989.1 |
| 01/17/2022 | 23:15:00 - 23:30:00 | 11 | 4 | 9 | 3 | 11 | 1.5 | 215.5 | -4.8 | 90.2 | 989.1 |
| 01/17/2022 | 23:30:00 - 23:45:00 | 11 | 4 | 9 | 3 | 11 | 2.2 | 204.5 | -4.9 | 91.0 | 988.8 |
| 01/18/2022 | 23:45:00 - 00:00:00 | 10 | 4 | 9 | 2 | 10 | 1.4 | 218.9 | -5.2 | 91.0 | 988.8 |
| 01/18/2022 | 00:00:00 - 00:15:00 | 10 | 4 | 8 | 2 | 10 | 1.8 | 214.9 | -5.4 | 91.2 | 988.9 |
| 01/18/2022 | 00:15:00 - 00:30:00 | 10 | 4 | 8 | 2 | 9 | 2.4 | 223.5 | -5.5 | 91.2 | 988.9 |
| 01/18/2022 | 00:30:00 - 00:45:00 | 9 | 4 | 8 | 2 | 9 | 1.9 | 218.9 | -5.7 | 91.3 | 989.0 |
| 01/18/2022 | 00:45:00 - 01:00:00 | 9 | 4 | 8 | 2 | 9 | 1.5 | 209.3 | -6.0 | 91.3 | 989.0 |
| 01/18/2022 | 01:00:00 - 01:15:00 | 9 | 4 | 8 | 2 | 9 | 1.5 | 205.5 | -6.1 | 91.5 | 989.2 |
| 01/18/2022 | 01:15:00 - 01:30:00 | 10 | 4 | 8 | 2 | 9 | 1.2 | 212.5 | -6.2 | 92.0 | 989.5 |
| 01/18/2022 | 01:30:00 - 01:45:00 | 10 | 4 | 8 | 2 | 9 | 1.6 | 193.2 | -6.3 | 92.0 | 989.5 |
| 01/18/2022 | 01:45:00 - 02:00:00 | 10 | 4 | 8 | 2 | 10 | 1.1 | 187.3 | -6.5 | 92.1 | 989.5 |
| 01/18/2022 | 02:00:00 - 02:15:00 | 11 | 4 | 9 | 2 | 10 | 1.8 | 197.8 | -6.5 | 93.0 | 989.6 |
| 01/18/2022 | 02:15:00 - 02:30:00 | 12 | 5 | 10 | 3 | 11 | 2.0 | 206.0 | -6.4 | 93.0 | 989.5 |
| 01/18/2022 | 02:30:00 - 02:45:00 | 14 | 5 | 11 | 3 | 13 | 2.3 | 211.0 | -6.4 | 93.0 | 989.5 |
| 01/18/2022 | 02:45:00 - 03:00:00 | 14 | 5 | 11 | 3 | 13 | 1.3 | 223.8 | -6.6 | 93.1 | 989.4 |
| 01/18/2022 | 03:00:00 - 03:15:00 | 14 | 5 | 11 | 3 | 13 | 1.3 | 222.4 | -6.7 | 93.9 | 989.4 |
| 01/18/2022 | 03:15:00 - 03:30:00 | 14 | 6 | 11 | 3 | 13 | 2.4 | 212.4 | -6.7 | 94.0 | 989.2 |
| 01/18/2022 | 03:30:00 - 03:45:00 | 15 | 6 | 12 | 3 | 14 | 1.7 | 207.8 | -6.5 | 93.7 | 989.3 |
| 01/18/2022 | 03:45:00 - 04:00:00 | 15 | 6 | 11 | 3 | 13 | 1.1 | 245.9 | -6.8 | 94.0 | 989.3 |
| 01/18/2022 | 04:00:00 - 04:15:00 | 15 | 6 | 12 | 3 | 14 | 1.4 | 214.5 | -6.9 | 94.2 | 989.4 |
| 01/18/2022 | 04:15:00 - 04:30:00 | 15 | 6 | 12 | 3 | 14 | 1.5 | 219.3 | -6.8 | 94.6 | 989.4 |
| 01/18/2022 | 04:30:00 - 04:45:00 | 15 | Offline | 12 | 3 | 14 | 0.9 | 197.4 | -6.8 | 94.3 | 989.3 |
| 01/18/2022 | 04:45:00 - 05:00:00 | 15 | Offline | 12 | 4 | 15 | 0.5 | 188.8 | -6.5 | 95.0 | 989.2 |
| 01/18/2022 | 05:00:00 - 05:15:00 | 14 | Offline | 12 | 3 | 14 | 1.7 | 162.1 | -5.8 | 94.0 | 989.2 |
| 01/18/2022 | 05:15:00 - 05:30:00 | 13 | Offline | 11 | 3 | 13 | 1.7 | 181.5 | -5.5 | 91.8 | 989.4 |
| 01/18/2022 | 05:30:00 - 05:45:00 | 13 | Offline | 11 | 3 | 13 | 1.6 | 176.2 | -5.5 | 91.0 | 989.4 |
| 01/18/2022 | 05:45:00 - 06:00:00 | 12 | Offline | 11 | 3 | 12 | 1.8 | 184.6 | -5.4 | 90.8 | 989.4 |
| 01/18/2022 | 06:00:00 - 06:15:00 | 12 | Offline | 10 | 3 | 12 | 2.3 | 177.5 | -5.4 | 90.8 | 989.8 |
| 01/18/2022 | 06:15:00 - 06:30:00 | 11 | Offline | 10 | 3 | 12 | 2.4 | 173.8 | -5.2 | 91.8 | 989.7 |
| 01/18/2022 | 06:30:00 - 06:45:00 | 11 | Offline | 10 | 3 | 12 | 2.2 | 175.6 | -4.9 | 92.0 | 989.7 |
| 01/18/2022 | 06:45:00 - 07:00:00 | 10 | 7 | 9 | 3 | 11 | 2.5 | 174.1 | -4.6 | 92.7 | 989.6 |
| 01/18/2022 | 07:00:00 - 07:15:00 | 9 | 6 | 8 | 3 | 10 | 2.7 | 181.6 | -4.3 | 92.1 | 989.7 |
| 01/18/2022 | 07:15:00 - 07:30:00 | 8 | 5 | 8 | 2 | 9 | 2.0 | 185.0 | -4.0 | 92.0 | 989.6 |
| 01/18/2022 | 07:30:00 - 07:45:00 | 8 | 4 | 8 | 2 | 9 | 2.3 | 188.1 | -3.7 | 92.0 | 989.6 |
| 01/18/2022 | 07:45:00 - 08:00:00 | 8 | 4 | 8 | 2 | 8 | 2.8 | 187.9 | -3.5 | 92.0 | 989.6 |
| 01/18/2022 | 08:00:00 - 08:15:00 | 7 | 4 | 7 | 2 | 11 | 2.2 | 174.9 | -3.1 | 91.4 | 989.7 |
| 01/18/2022 | 08:15:00 - 08:30:00 | 7 | 4 | 7 | 2 | 8 | 3.4 | 192.1 | -2.7 | 90.4 | 989.6 |
| 01/18/2022 | 08:30:00 - 08:45:00 | 7 | 4 | 7 | 2 | 8 | 2.9 | 193.4 | -2.3 | 89.2 | 989.6 |
| 01/18/2022 | 08:45:00 - 09:00:00 | 7 | 4 | 7 | 2 | 8 | 3.0 | 198.1 | -1.8 | 88.1 | 989.6 |
| 01/18/2022 | 09:00:00 - 09:15:00 | 7 | 3 | 7 | 2 | 8 | 3.1 | 174.7 | -1.3 | 86.8 | 989.5 |
| 01/18/2022 | 09:15:00 - 09:30:00 | 6 | 3 | 6 | 2 | 7 | 2.4 | 186.7 | -0.7 | 84.9 | 989.5 |
| 01/18/2022 | 09:30:00 - 09:45:00 | 7 | 3 | 7 | 2 | 8 | 2.7 | 176.9 | 0.0 | 82.9 | 989.5 |
| 01/18/2022 | 09:45:00 - 10:00:00 | 8 | 4 | 8 | 2 | 9 | 3.0 | 171.9 | 0.6 | 80.4 | 989.3 |
| 01/18/2022 | 10:00:00 - 10:15:00 | 9 | 4 | 8 | 2 | 10 | 3.5 | 196.5 | 1.7 | 77.1 | 989.1 |
| 01/18/2022 | 10:15:00 - 10:30:00 | 9 | 4 | 8 | 3 | 10 | 3.7 | 185.8 | 2.4 | 74.8 | 988.9 |
| 01/18/2022 | 10:30:00 - 10:45:00 | 9 | 4 | 8 | 3 | 10 | 2.6 | 189.0 | 3.3 | 72.7 | 988.7 |
| 01/18/2022 | 10:45:00 - 11:00:00 | 9 | 4 | 8 | 3 | 10 | 4.2 | 170.1 | 3.9 | 70.7 | 988.3 |
| 01/18/2022 | 11:00:00 - 11:15:00 | 9 | 4 | 8 | 3 | 10 | 3.7 | 189.4 | 4.4 | 69.7 | 988.0 |
| 01/18/2022 | 11:15:00 - 11:30:00 | 9 | 4 | 8 | 2 | 8 | 3.6 | 197.5 | 5.0 | 68.6 | 987.6 |
| 01/18/2022 | 11:30:00 - 11:45:00 | 8 | 3 | 7 | 2 | 8 | 4.1 | 185.4 | 5.3 | 67.7 | 987.3 |
| 01/18/2022 | 11:45:00 - 12:00:00 | 7 | 3 | 6 | 2 | 7 | 5.0 | 193.0 | 5.8 | 66.2 | 986.9 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 01/18/2022 | 12:00:00 - 12:15:00 | 8 | 3 | 7 | 2 | 7 | 4.1 | 181.5 | 6.2 | 65.4 | 986.7 |
| 01/18/2022 | 12:15:00 - 12:30:00 | 8 | 3 | 7 | 3 | 8 | 4.0 | 185.2 | 6.5 | 65.5 | 986.3 |
| 01/18/2022 | 12:30:00 - 12:45:00 | 8 | 3 | 6 | 2 | 7 | 4.5 | 185.3 | 7.1 | 63.7 | 986.0 |
| 01/18/2022 | 12:45:00 - 13:00:00 | 8 | 3 | 6 | 2 | 7 | 4.7 | 189.3 | 7.5 | 62.2 | 985.6 |
| 01/18/2022 | 13:00:00 - 13:15:00 | 7 | 3 | 6 | 2 | 7 | 5.6 | 188.7 | 7.6 | 61.7 | 985.3 |
| 01/18/2022 | 13:15:00 - 13:30:00 | 7 | 3 | 5 | 2 | 7 | 4.5 | 191.7 | 7.6 | 62.5 | 984.9 |
| 01/18/2022 | 13:30:00 - 13:45:00 | 7 | 2 | 5 | 2 | 6 | 5.1 | 191.7 | 8.0 | 62.5 | 984.7 |
| 01/18/2022 | 13:45:00 - 14:00:00 | 7 | 2 | 5 | 2 | 7 | 5.5 | 191.8 | 7.9 | 63.0 | 984.4 |
| 01/18/2022 | 14:00:00 - 14:15:00 | 7 | 3 | 5 | 2 | 6 | 5.5 | 196.5 | 7.8 | 63.5 | 984.2 |
| 01/18/2022 | 14:15:00 - 14:30:00 | 7 | 3 | 6 | 2 | 6 | 6.3 | 196.1 | 8.0 | 63.9 | 984.1 |
| 01/18/2022 | 14:30:00 - 14:45:00 | 7 | 3 | 5 | 2 | 7 | 5.0 | 196.7 | 8.0 | 64.2 | 983.9 |
| 01/18/2022 | 14:45:00 - 15:00:00 | 8 | 3 | 6 | 2 | 7 | 5.6 | 197.1 | 7.9 | 64.7 | 983.7 |
| 01/18/2022 | 15:00:00 - 15:15:00 | 7 | 3 | 6 | 2 | 6 | 5.6 | 194.0 | 7.6 | 66.2 | 983.6 |
| 01/18/2022 | 15:15:00 - 15:30:00 | 7 | 3 | 6 | 2 | 7 | 4.8 | 194.4 | 7.3 | 67.7 | 983.7 |
| 01/18/2022 | 15:30:00 - 15:45:00 | 7 | 3 | 6 | 2 | 6 | 4.4 | 199.3 | 7.0 | 69.3 | 983.7 |
| 01/18/2022 | 15:45:00 - 16:00:00 | 7 | 3 | 6 | 2 | 6 | 4.3 | 201.3 | 6.9 | 70.0 | 983.5 |
| 01/18/2022 | 16:00:00 - 16:15:00 | 7 | 3 | 6 | 2 | 6 | 4.3 | 191.0 | 6.7 | 70.6 | 983.3 |
| 01/18/2022 | 16:15:00 - 16:30:00 | 7 | 3 | 6 | 2 | 7 | 5.0 | 192.8 | 6.6 | 71.0 | 983.2 |
| 01/18/2022 | 16:30:00 - 16:45:00 | 7 | 3 | 6 | 2 | 6 | 4.6 | 190.5 | 6.3 | 71.3 | 983.0 |
| 01/18/2022 | 16:45:00 - 17:00:00 | 6 | 3 | 6 | 2 | 6 | 4.4 | 197.1 | 5.9 | 73.4 | 983.0 |
| 01/18/2022 | 17:00:00 - 17:15:00 | 6 | 3 | 6 | 2 | 6 | 2.9 | 200.9 | 5.5 | 75.3 | 983.1 |
| 01/18/2022 | 17:15:00 - 17:30:00 | 7 | 3 | 6 | 2 | 6 | 3.5 | 189.0 | 5.3 | 76.0 | 983.1 |
| 01/18/2022 | 17:30:00 - 17:45:00 | 7 | 3 | 6 | 2 | 7 | 3.8 | 195.6 | 5.0 | 78.0 | 983.1 |
| 01/18/2022 | 17:45:00 - 18:00:00 | 6 | 3 | 6 | 2 | 6 | 3.4 | 215.1 | 4.9 | 78.0 | 983.1 |
| 01/18/2022 | 18:00:00 - 18:15:00 | 6 | 3 | 6 | 2 | 6 | 3.7 | 202.0 | 4.7 | 79.0 | 983.2 |
| 01/18/2022 | 18:15:00 - 18:30:00 | 6 | 3 | 6 | 2 | 6 | 3.4 | 202.3 | 4.7 | 79.5 | 983.2 |
| 01/18/2022 | 18:30:00 - 18:45:00 | 6 | 3 | 6 | 2 | 6 | 4.1 | 201.2 | 4.6 | 80.0 | 983.1 |
| 01/18/2022 | 18:45:00 - 19:00:00 | 6 | 3 | 6 | 2 | 6 | 3.6 | 196.0 | 4.5 | 80.9 | 983.1 |
| 01/18/2022 | 19:00:00 - 19:15:00 | 5 | 3 | 6 | 2 | 6 | 3.8 | 199.4 | 4.4 | 81.0 | 983.1 |
| 01/18/2022 | 19:15:00 - 19:30:00 | 6 | 3 | 6 | 2 | 6 | 3.8 | 196.5 | 4.6 | 80.4 | 983.2 |
| 01/18/2022 | 19:30:00 - 19:45:00 | 7 | 3 | 6 | 2 | 7 | 3.2 | 194.0 | 4.8 | 79.1 | 983.2 |
| 01/18/2022 | 19:45:00 - 20:00:00 | 7 | 3 | 6 | 2 | 7 | 3.2 | 199.7 | 4.9 | 78.8 | 983.2 |
| 01/18/2022 | 20:00:00 - 20:15:00 | 6 | 3 | 6 | 2 | 6 | 3.2 | 196.9 | 4.9 | 78.3 | 983.2 |
| 01/18/2022 | 20:15:00 - 20:30:00 | 5 | 3 | 5 | 1 | 6 | 4.2 | 203.3 | 5.1 | 77.7 | 983.1 |
| 01/18/2022 | 20:30:00 - 20:45:00 | 5 | 2 | 5 | 1 | 5 | 5.1 | 202.1 | 5.4 | 76.6 | 983.1 |
| 01/18/2022 | 20:45:00 - 21:00:00 | 5 | 2 | 5 | 1 | 5 | 6.2 | 207.4 | 5.6 | 76.2 | 983.2 |
| 01/18/2022 | 21:00:00 - 21:15:00 | 5 | 2 | 5 | 1 | 5 | 6.2 | 200.4 | 5.4 | 77.0 | 983.1 |
| 01/18/2022 | 21:15:00 - 21:30:00 | 5 | 3 | 5 | 1 | 6 | 4.5 | 204.8 | 5.2 | 78.2 | 983.1 |
| 01/18/2022 | 21:30:00 - 21:45:00 | 5 | 3 | 6 | 2 | 6 | 4.7 | 205.4 | 4.9 | 79.2 | 983.1 |
| 01/18/2022 | 21:45:00 - 22:00:00 | 6 | 3 | 6 | 2 | 6 | 5.8 | 206.0 | 4.9 | 80.0 | 983.1 |
| 01/18/2022 | 22:00:00 - 22:15:00 | 7 | 3 | 6 | 2 | 7 | 5.1 | 209.1 | 5.0 | 80.0 | 983.3 |
| 01/18/2022 | 22:15:00 - 22:30:00 | 7 | 3 | 6 | 2 | 7 | 6.6 | 209.1 | 5.1 | 80.5 | 983.4 |
| 01/18/2022 | 22:30:00 - 22:45:00 | 7 | 3 | 6 | 2 | 7 | 5.8 | 212.1 | 5.1 | 81.0 | 983.4 |
| 01/18/2022 | 22:45:00 - 23:00:00 | 6 | 3 | 6 | 2 | 7 | 6.4 | 205.6 | 5.2 | 81.2 | 983.5 |
| 01/18/2022 | 23:00:00 - 23:15:00 | 6 | 3 | 6 | 2 | 6 | 6.5 | 208.4 | 5.3 | 81.9 | 983.5 |
| 01/18/2022 | 23:15:00 - 23:30:00 | 6 | 3 | 6 | 2 | 6 | 6.3 | 208.9 | 5.5 | 82.0 | 983.4 |
| 01/18/2022 | 23:30:00 - 23:45:00 | 6 | 3 | 6 | 2 | 6 | 5.7 | 202.6 | 5.6 | 82.0 | 983.4 |
| 01/19/2022 | 23:45:00 - 00:00:00 | 6 | 3 | 6 | 2 | 6 | 5.3 | 217.9 | 5.7 | 82.0 | 983.2 |
| 01/19/2022 | 00:00:00 - 00:15:00 | 6 | 3 | 6 | 2 | 6 | 7.2 | 216.2 | 5.9 | 82.0 | 983.1 |
| 01/19/2022 | 00:15:00 - 00:30:00 | 6 | 3 | 6 | 2 | 6 | 7.7 | 218.3 | 5.9 | 82.0 | 983.2 |
| 01/19/2022 | 00:30:00 - 00:45:00 | 6 | 3 | 6 | 2 | 6 | 5.9 | 220.1 | 5.7 | 82.7 | 983.5 |
| 01/19/2022 | 00:45:00 - 01:00:00 | 6 | 3 | 6 | 2 | 6 | 4.6 | 222.1 | 5.5 | 83.8 | 983.5 |
| 01/19/2022 | 01:00:00 - 01:15:00 | 7 | 3 | 6 | 2 | 6 | 4.1 | 244.7 | 5.5 | 84.9 | 983.6 |
| 01/19/2022 | 01:15:00 - 01:30:00 | 7 | 3 | 7 | 2 | 7 | 4.8 | 254.9 | 5.6 | 85.0 | 983.6 |
| 01/19/2022 | 01:30:00 - 01:45:00 | 7 | 3 | 7 | 2 | 7 | 4.9 | 253.3 | 5.5 | 85.9 | 983.6 |
| 01/19/2022 | 01:45:00 - 02:00:00 | 8 | 3 | 7 | 2 | 7 | 5.0 | 244.6 | 5.4 | 86.4 | 983.8 |
| 01/19/2022 | 02:00:00 - 02:15:00 | 8 | 3 | 7 | 2 | 8 | 6.1 | 266.6 | 5.2 | 87.3 | 984.0 |
| 01/19/2022 | 02:15:00 - 02:30:00 | 9 | 4 | 8 | 2 | 8 | 6.2 | 264.8 | 5.1 | 88.1 | 984.2 |
| 01/19/2022 | 02:30:00 - 02:45:00 | 9 | 4 | 8 | 2 | 9 | 6.5 | 268.2 | 5.1 | 88.1 | 984.6 |
| 01/19/2022 | 02:45:00 - 03:00:00 | 10 | 4 | 9 | 2 | 10 | 5.6 | 274.2 | 5.0 | 88.0 | 984.8 |
| 01/19/2022 | 03:00:00 - 03:15:00 | 11 | 4 | 9 | 3 | 10 | 4.3 | 282.7 | 4.5 | 88.9 | 985.1 |
| 01/19/2022 | 03:15:00 - 03:30:00 | 11 | 5 | 9 | 3 | 11 | 5.2 | 284.1 | 4.3 | 87.5 | 985.2 |
| 01/19/2022 | 03:30:00 - 03:45:00 | 11 | 5 | 10 | 3 | 11 | 4.9 | 286.2 | 4.0 | 86.3 | 985.2 |
| 01/19/2022 | 03:45:00 - 04:00:00 | 12 | 5 | 10 | 3 | 12 | 5.3 | 288.2 | 3.7 | 86.0 | 985.4 |
| 01/19/2022 | 04:00:00 - 04:15:00 | 12 | 5 | 11 | 3 | 12 | 6.7 | 293.4 | 3.3 | 86.0 | 985.7 |
| 01/19/2022 | 04:15:00 - 04:30:00 | 13 | 5 | 11 | 3 | 13 | 6.1 | 289.1 | 3.1 | 86.0 | 985.9 |
| 01/19/2022 | 04:30:00 - 04:45:00 | 13 | 5 | 11 | 3 | 13 | 5.7 | 301.9 | 2.8 | 86.8 | 986.1 |
| 01/19/2022 | 04:45:00 - 05:00:00 | 14 | 6 | 12 | 3 | 13 | 5.0 | 299.7 | 2.4 | 87.6 | 986.3 |
| 01/19/2022 | 05:00:00 - 05:15:00 | 15 | 6 | 12 | 3 | 14 | 5.1 | 301.6 | 2.2 | 88.0 | 986.4 |
| 01/19/2022 | 05:15:00 - 05:30:00 | 16 | 6 | 13 | 4 | 15 | 4.5 | 299.9 | 1.9 | 89.0 | 986.6 |
| 01/19/2022 | 05:30:00 - 05:45:00 | 17 | 6 | 14 | 4 | 16 | 4.6 | 301.3 | 1.7 | 90.2 | 986.9 |
| 01/19/2022 | 05:45:00 - 06:00:00 | 17 | 6 | 14 | 4 | 17 | 4.7 | 301.9 | 1.5 | 90.0 | 987.2 |
| 01/19/2022 | 06:00:00 - 06:15:00 | 18 | 7 | 14 | 4 | 17 | 5.2 | 316.6 | 1.4 | 88.5 | 987.4 |
| 01/19/2022 | 06:15:00 - 06:30:00 | 18 | 7 | 15 | 4 | 18 | 6.4 | 322.0 | 1.3 | 88.0 | 987.7 |
| 01/19/2022 | 06:30:00 - 06:45:00 | 18 | 7 | 15 | 4 | 17 | 6.4 | 317.0 | 1.1 | 86.5 | 988.0 |
| 01/19/2022 | 06:45:00 - 07:00:00 | 16 | 5 | 15 | 3 | 14 | 6.9 | 320.1 | 0.9 | 83.2 | 988.4 |
| 01/19/2022 | 07:00:00 - 07:15:00 | 12 | 5 | 11 | 3 | 12 | 6.1 | 319.0 | 0.6 | 81.7 | 988.7 |
| 01/19/2022 | 07:15:00 - 07:30:00 | 9 | 3 | 8 | 2 | 8 | 6.3 | 325.4 | 0.2 | 76.6 | 989.1 |
| 01/19/2022 | 07:30:00 - 07:45:00 | 8 | 3 | 8 | 2 | 8 | 6.3 | 317.3 | -0.1 | 77.2 | 989.1 |
| 01/19/2022 | 07:45:00 - 08:00:00 | 6 | 3 | 6 | 2 | 7 | 6.1 | 304.7 | -0.4 | 76.8 | 989.3 |
| 01/19/2022 | 08:00:00 - 08:15:00 | 4 | 3 | 5 | 1 | 5 | 5.7 | 310.1 | -0.9 | 72.1 | 989.7 |
| 01/19/2022 | 08:15:00 - 08:30:00 | 5 | 2 | 5 | 1 | 5 | 5.7 | 316.8 | -1.0 | 72.7 | 990.0 |
| 01/19/2022 | 08:30:00 - 08:45:00 | 4 | 2 | 5 | 1 | 5 | 7.0 | 319.0 | -1.1 | 71.4 | 990.2 |
| 01/19/2022 | 08:45:00 - 09:00:00 | 4 | 2 | 5 | 1 | 4 | 6.5 | 306.3 | -1.1 | 71.8 | 990.6 |
| 01/19/2022 | 09:00:00 - 09:15:00 | 3 | 2 | 4 | 1 | 4 | 7.2 | 316.2 | -1.6 | 68.6 | 991.2 |
| 01/19/2022 | 09:15:00 - 09:30:00 | 3 | 2 | 4 | 1 | 3 | 6.4 | 317.4 | -1.7 | 70.1 | 991.7 |
| 01/19/2022 | 09:30:00 - 09:45:00 | 3 | 2 | 4 | 1 | 3 | 6.8 | 301.2 | -1.8 | 67.9 | 992.2 |
| 01/19/2022 | 09:45:00 - 10:00:00 | 3 | 2 | 4 | 1 | 3 | 6.7 | 306.9 | -2.1 | 69.0 | 992.6 |
| 01/19/2022 | 10:00:00 - 10:15:00 | 4 | 2 | 4 | 1 | 3 | 7.5 | 326.8 | -2.8 | 67.7 | 993.0 |
| 01/19/2022 | 10:15:00 - 10:30:00 | 2 | 2 | 4 | 1 | 4 | 7.1 | 313.8 | -3.0 | 69.4 | 993.2 |
| 01/19/2022 | 10:30:00 - 10:45:00 | 19 | 2 | 10 | 1 | 4 | 5.6 | 319.4 | -3.5 | 69.2 | 993.4 |
| 01/19/2022 | 10:45:00 - 11:00:00 | 4 | 2 | 5 | 1 | 4 | 6.2 | 323.5 | -3.7 | 71.1 | 993.3 |
| 01/19/2022 | 11:00:00 - 11:15:00 | 4 | 2 | 5 | 1 | 6 | 6.9 | 313.5 | -4.0 | 71.1 | 993.5 |
| 01/19/2022 | 11:15:00 - 11:30:00 | 5 | 2 | 5 | 1 | 4 | 6.0 | 327.7 | -4.3 | 71.3 | 993.4 |
| 01/19/2022 | 11:30:00 - 11:45:00 | 5 | 2 | 5 | 1 | 4 | 7.1 | 321.6 | -4.4 | 71.4 | 993.3 |
| 01/19/2022 | 11:45:00 - 12:00:00 | 5 | 2 | 5 | 1 | 5 | 6.7 | 324.1 | -4.3 | 71.8 | 993.4 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 01/19/2022 | 12:00:00 - 12:15:00 | 5 | 2 | 5 | 1 | 5 | 8.0 | 331.4 | -5.0 | 71.2 | 993.3 |
| 01/19/2022 | 12:15:00 - 12:30:00 | 5 | 2 | 5 | 1 | 5 | 7.9 | 337.3 | -5.0 | 71.6 | 993.2 |
| 01/19/2022 | 12:30:00 - 12:45:00 | 5 | 2 | 6 | 1 | 5 | 8.0 | 330.6 | -5.3 | 72.6 | 993.1 |
| 01/19/2022 | 12:45:00 - 13:00:00 | 6 | 2 | 6 | 1 | 4 | 7.2 | 322.8 | -6.0 | 73.1 | 993.0 |
| 01/19/2022 | 13:00:00 - 13:15:00 | 5 | 2 | 5 | 1 | 4 | 6.1 | 323.1 | -5.9 | 72.9 | 993.0 |
| 01/19/2022 | 13:15:00 - 13:30:00 | 6 | 2 | 6 | 1 | 5 | 6.9 | 327.5 | -6.3 | 73.3 | 993.3 |
| 01/19/2022 | 13:30:00 - 13:45:00 | 5 | 2 | 5 | 1 | 5 | 6.6 | 323.4 | -6.7 | 73.6 | 993.6 |
| 01/19/2022 | 13:45:00 - 14:00:00 | 6 | 2 | 6 | 1 | 4 | 6.8 | 325.3 | -6.6 | 73.5 | 993.8 |
| 01/19/2022 | 14:00:00 - 14:15:00 | 5 | 2 | 5 | 1 | 5 | 6.1 | 334.5 | -6.7 | 72.6 | 993.9 |
| 01/19/2022 | 14:15:00 - 14:30:00 | 13 | 2 | 9 | 1 | 6 | 8.4 | 328.5 | -7.0 | 73.1 | 994.2 |
| 01/19/2022 | 14:30:00 - 14:45:00 | 9 | 2 | 7 | 1 | 56 | 6.4 | 329.1 | -6.7 | 72.4 | 994.4 |
| 01/19/2022 | 14:45:00 - 15:00:00 | 7 | 2 | 6 | 1 | 5 | 7.2 | 328.3 | -6.9 | 71.6 | 994.7 |
| 01/19/2022 | 15:00:00 - 15:15:00 | 6 | 2 | 6 | 1 | 5 | 6.8 | 317.8 | -6.8 | 71.6 | 994.9 |
| 01/19/2022 | 15:15:00 - 15:30:00 | 6 | 2 | 6 | 1 | 5 | 5.2 | 331.5 | -6.8 | 71.6 | 995.3 |
| 01/19/2022 | 15:30:00 - 15:45:00 | 7 | 2 | 6 | 1 | 6 | 7.0 | 325.1 | -7.1 | 71.6 | 995.6 |
| 01/19/2022 | 15:45:00 - 16:00:00 | 6 | 2 | 6 | 1 | 5 | 6.5 | 325.9 | -7.3 | 72.9 | 995.7 |
| 01/19/2022 | 16:00:00 - 16:15:00 | 5 | 2 | 6 | 1 | 5 | 7.0 | 330.7 | -7.5 | 73.1 | 996.0 |
| 01/19/2022 | 16:15:00 - 16:30:00 | 6 | 2 | 6 | 1 | 5 | 7.0 | 335.9 | -7.8 | 73.8 | 996.1 |
| 01/19/2022 | 16:30:00 - 16:45:00 | 6 | 3 | 5 | 1 | 5 | 7.6 | 332.2 | -8.0 | 74.8 | 996.5 |
| 01/19/2022 | 16:45:00 - 17:00:00 | 6 | 3 | 6 | 1 | 5 | 6.3 | 331.3 | -8.2 | 75.3 | 996.6 |
| 01/19/2022 | 17:00:00 - 17:15:00 | 5 | 3 | 6 | 1 | 5 | 6.1 | 318.8 | -8.4 | 75.7 | 996.9 |
| 01/19/2022 | 17:15:00 - 17:30:00 | 6 | 3 | 6 | 1 | 6 | 6.8 | 326.0 | -8.6 | 76.7 | 997.2 |
| 01/19/2022 | 17:30:00 - 17:45:00 | 6 | 3 | 6 | 1 | 6 | 6.4 | 317.3 | -8.9 | 77.0 | 997.7 |
| 01/19/2022 | 17:45:00 - 18:00:00 | 6 | 3 | 6 | 1 | 6 | 5.5 | 327.0 | -9.1 | 77.2 | 998.0 |
| 01/19/2022 | 18:00:00 - 18:15:00 | 6 | 3 | 6 | 1 | 6 | 7.1 | 324.2 | -9.3 | 77.9 | 998.1 |
| 01/19/2022 | 18:15:00 - 18:30:00 | 6 | 3 | 6 | 1 | 6 | 5.5 | 320.6 | -9.2 | 78.1 | 998.4 |
| 01/19/2022 | 18:30:00 - 18:45:00 | 7 | 4 | 7 | 1 | 6 | 6.7 | 328.8 | -9.3 | 77.5 | 998.6 |
| 01/19/2022 | 18:45:00 - 19:00:00 | 7 | 3 | 6 | 2 | 6 | 6.7 | 325.1 | -9.5 | 78.0 | 999.0 |
| 01/19/2022 | 19:00:00 - 19:15:00 | 7 | 3 | 6 | 2 | 6 | 6.9 | 323.5 | -9.8 | 78.1 | 999.3 |
| 01/19/2022 | 19:15:00 - 19:30:00 | 7 | 3 | 6 | 2 | 6 | 6.4 | 324.0 | -10.0 | 78.5 | 999.5 |
| 01/19/2022 | 19:30:00 - 19:45:00 | 7 | 3 | 6 | 2 | 6 | 6.3 | 323.1 | -10.1 | 79.0 | 999.7 |
| 01/19/2022 | 19:45:00 - 20:00:00 | 7 | 3 | 7 | 2 | 6 | 6.5 | 324.8 | -10.3 | 79.1 | 1000.0 |
| 01/19/2022 | 20:00:00 - 20:15:00 | 7 | 3 | 7 | 2 | 6 | 8.7 | 330.1 | -10.5 | 79.2 | 1000.2 |
| 01/19/2022 | 20:15:00 - 20:30:00 | 7 | 3 | 6 | 2 | 6 | 7.5 | 326.3 | -10.8 | 79.0 | 1000.3 |
| 01/19/2022 | 20:30:00 - 20:45:00 | 7 | 3 | 7 | 2 | 6 | 7.0 | 323.2 | -11.0 | 79.3 | 1000.4 |
| 01/19/2022 | 20:45:00 - 21:00:00 | 7 | 3 | 6 | 2 | 6 | 7.4 | 321.3 | -11.1 | 79.6 | 1000.5 |
| 01/19/2022 | 21:00:00 - 21:15:00 | 7 | 3 | 7 | 2 | 6 | 5.7 | 324.4 | -11.2 | 79.5 | 1000.8 |
| 01/19/2022 | 21:15:00 - 21:30:00 | 7 | 3 | 6 | 2 | 6 | 6.8 | 320.9 | -11.4 | 79.6 | 1001.1 |
| 01/19/2022 | 21:30:00 - 21:45:00 | 7 | 3 | 7 | 2 | 6 | 6.7 | 322.7 | -11.5 | 79.7 | 1001.5 |
| 01/19/2022 | 21:45:00 - 22:00:00 | 7 | 3 | 6 | 2 | 6 | 5.9 | 321.7 | -11.6 | 80.0 | 1002.0 |
| 01/19/2022 | 22:00:00 - 22:15:00 | 7 | 3 | 6 | 2 | 6 | 6.4 | 324.0 | -11.7 | 79.8 | 1002.4 |
| 01/19/2022 | 22:15:00 - 22:30:00 | 8 | 3 | 7 | 2 | 7 | 5.5 | 327.8 | -11.7 | 79.6 | 1002.6 |
| 01/19/2022 | 22:30:00 - 22:45:00 | 8 | 3 | 7 | 2 | 7 | 5.5 | 329.4 | -11.9 | 79.8 | 1002.9 |
| 01/19/2022 | 22:45:00 - 23:00:00 | 8 | 3 | 7 | 2 | 7 | 4.5 | 328.0 | -12.0 | 79.0 | 1003.1 |
| 01/19/2022 | 23:00:00 - 23:15:00 | 8 | 3 | 7 | 2 | 7 | 5.5 | 328.2 | -12.1 | 79.8 | 1003.2 |
| 01/19/2022 | 23:15:00 - 23:30:00 | 8 | 3 | 7 | 2 | 7 | 6.3 | 321.1 | -12.2 | 79.4 | 1003.4 |
| 01/19/2022 | 23:30:00 - 23:45:00 | 8 | 3 | 7 | 2 | 7 | 5.5 | 327.7 | -12.2 | 79.0 | 1003.6 |
| 01/20/2022 | 23:45:00 - 00:00:00 | 8 | 3 | 7 | 2 | 7 | 5.7 | 327.5 | -12.3 | 79.0 | 1003.6 |
| 01/20/2022 | 00:00:00 - 00:15:00 | 8 | 3 | 7 | 2 | 7 | 5.3 | 323.8 | -12.4 | 79.2 | 1003.6 |
| 01/20/2022 | 00:15:00 - 00:30:00 | 8 | 3 | 7 | 2 | 7 | 5.5 | 319.7 | -12.5 | 80.0 | 1003.6 |
| 01/20/2022 | 00:30:00 - 00:45:00 | 8 | 3 | 7 | 2 | 7 | 5.0 | 319.0 | -12.6 | 80.0 | 1003.8 |
| 01/20/2022 | 00:45:00 - 01:00:00 | 9 | 4 | 7 | 2 | 8 | 6.2 | 321.1 | -12.7 | 80.0 | 1004.0 |
| 01/20/2022 | 01:00:00 - 01:15:00 | 9 | 4 | 7 | 2 | 8 | 5.3 | 317.5 | -12.8 | 80.4 | 1004.1 |
| 01/20/2022 | 01:15:00 - 01:30:00 | 9 | 4 | 7 | 2 | 8 | 5.5 | 318.7 | -12.8 | 81.0 | 1004.3 |
| 01/20/2022 | 01:30:00 - 01:45:00 | 9 | 4 | 8 | 2 | 8 | 6.0 | 322.0 | -12.8 | 81.0 | 1004.4 |
| 01/20/2022 | 01:45:00 - 02:00:00 | 9 | 4 | 7 | 2 | 8 | 5.6 | 319.4 | -12.9 | 81.0 | 1004.6 |
| 01/20/2022 | 02:00:00 - 02:15:00 | 9 | 4 | 8 | 2 | 8 | 6.5 | 319.2 | -12.9 | 81.0 | 1004.7 |
| 01/20/2022 | 02:15:00 - 02:30:00 | 9 | 4 | 8 | 2 | 8 | 5.4 | 320.6 | -12.9 | 81.0 | 1004.8 |
| 01/20/2022 | 02:30:00 - 02:45:00 | 9 | 4 | 8 | 2 | 8 | 5.2 | 322.7 | -12.9 | 81.0 | 1004.9 |
| 01/20/2022 | 02:45:00 - 03:00:00 | 9 | 4 | 7 | 2 | 7 | 6.0 | 319.6 | -13.0 | 81.0 | 1004.9 |
| 01/20/2022 | 03:00:00 - 03:15:00 | 9 | 4 | 8 | 2 | 7 | 5.9 | 317.9 | -13.1 | 81.4 | 1004.9 |
| 01/20/2022 | 03:15:00 - 03:30:00 | 9 | 4 | 8 | 2 | 7 | 4.9 | 316.7 | -13.1 | 82.0 | 1004.9 |
| 01/20/2022 | 03:30:00 - 03:45:00 | 9 | 4 | 8 | 2 | 7 | 5.2 | 325.9 | -13.2 | 82.0 | 1005.0 |
| 01/20/2022 | 03:45:00 - 04:00:00 | 8 | 3 | 7 | 2 | 7 | 5.6 | 320.8 | -13.3 | 81.3 | 1005.0 |
| 01/20/2022 | 04:00:00 - 04:15:00 | 9 | 3 | 7 | 2 | 7 | 6.0 | 324.8 | -13.4 | 82.0 | 1004.9 |
| 01/20/2022 | 04:15:00 - 04:30:00 | 8 | 3 | 7 | 2 | 7 | 7.0 | 324.3 | -13.5 | 81.3 | 1005.0 |
| 01/20/2022 | 04:30:00 - 04:45:00 | 8 | 3 | 7 | 2 | 7 | 6.3 | 322.8 | -13.5 | 80.1 | 1005.1 |
| 01/20/2022 | 04:45:00 - 05:00:00 | 7 | 3 | 7 | 2 | 6 | 6.2 | 328.9 | -13.6 | 79.1 | 1005.2 |
| 01/20/2022 | 05:00:00 - 05:15:00 | 8 | 3 | 7 | 2 | 7 | 6.3 | 320.7 | -13.7 | 80.1 | 1005.3 |
| 01/20/2022 | 05:15:00 - 05:30:00 | 8 | 3 | 7 | 2 | 7 | 5.6 | 319.8 | -13.8 | 80.6 | 1005.6 |
| 01/20/2022 | 05:30:00 - 05:45:00 | 8 | 3 | 7 | 2 | 7 | 5.7 | 326.0 | -13.9 | 79.5 | 1005.8 |
| 01/20/2022 | 05:45:00 - 06:00:00 | 7 | 3 | 6 | 2 | 6 | 5.7 | 318.1 | -13.9 | 79.1 | 1006.0 |
| 01/20/2022 | 06:00:00 - 06:15:00 | 7 | 3 | 7 | 2 | 6 | 5.8 | 320.7 | -14.0 | 80.0 | 1006.2 |
| 01/20/2022 | 06:15:00 - 06:30:00 | 25 | 3 | 15 | 2 | 6 | 5.7 | 322.8 | -14.1 | 79.8 | 1006.4 |
| 01/20/2022 | 06:30:00 - 06:45:00 | 9 | 3 | 7 | 2 | 6 | 6.1 | 324.7 | -14.1 | 79.5 | 1006.7 |
| 01/20/2022 | 06:45:00 - 07:00:00 | 8 | 3 | 7 | 2 | 6 | 6.3 | 317.7 | -14.1 | 79.0 | 1006.9 |
| 01/20/2022 | 07:00:00 - 07:15:00 | 9 | 3 | 7 | 2 | 6 | 6.6 | 317.3 | -14.1 | 79.0 | 1007.1 |
| 01/20/2022 | 07:15:00 - 07:30:00 | 8 | 3 | 7 | 2 | 7 | 6.2 | 322.7 | -14.0 | 78.7 | 1007.3 |
| 01/20/2022 | 07:30:00 - 07:45:00 | 8 | 3 | 7 | 2 | 6 | 4.9 | 328.1 | -13.9 | 78.2 | 1007.3 |
| 01/20/2022 | 07:45:00 - 08:00:00 | 9 | 3 | 7 | 2 | 6 | 6.0 | 327.3 | -13.6 | 77.3 | 1007.4 |
| 01/20/2022 | 08:00:00 - 08:15:00 | 8 | 3 | 7 | 1 | 6 | 6.0 | 324.6 | -13.6 | 76.9 | 1007.5 |
| 01/20/2022 | 08:15:00 - 08:30:00 | 7 | 3 | 7 | 1 | 6 | 6.1 | 325.5 | -13.3 | 75.8 | 1007.6 |
| 01/20/2022 | 08:30:00 - 08:45:00 | 7 | 3 | 6 | 1 | 6 | 5.1 | 337.7 | -13.1 | 75.0 | 1007.6 |
| 01/20/2022 | 08:45:00 - 09:00:00 | 9 | 3 | 8 | 1 | 6 | 5.1 | 332.0 | -12.7 | 74.3 | 1007.6 |
| 01/20/2022 | 09:00:00 - 09:15:00 | 7 | 3 | 7 | 1 | 6 | 4.6 | 344.4 | -12.3 | 73.2 | 1007.6 |
| 01/20/2022 | 09:15:00 - 09:30:00 | 8 | 3 | 7 | 1 | 7 | 3.3 | 347.6 | -11.6 | 72.0 | 1007.5 |
| 01/20/2022 | 09:30:00 - 09:45:00 | 7 | 2 | 7 | 1 | 9 | 3.3 | 3.6 | -11.2 | 70.4 | 1007.7 |
| 01/20/2022 | 09:45:00 - 10:00:00 | 5 | 3 | 6 | 1 | 7 | 3.5 | 354.1 | -10.8 | 69.1 | 1007.7 |
| 01/20/2022 | 10:00:00 - 10:15:00 | 6 | 2 | 6 | 1 | 5 | 2.7 | 354.5 | -10.3 | 67.8 | 1007.8 |
| 01/20/2022 | 10:15:00 - 10:30:00 | 5 | 2 | 5 | 1 | 5 | 4.3 | 329.3 | -9.9 | 66.4 | 1007.8 |
| 01/20/2022 | 10:30:00 - 10:45:00 | 10 | 2 | 7 | 1 | 5 | 4.0 | 350.4 | -9.7 | 65.3 | 1007.7 |
| 01/20/2022 | 10:45:00 - 11:00:00 | 5 | 2 | 5 | 1 | 5 | 3.7 | 345.3 | -9.3 | 63.9 | 1007.6 |
| 01/20/2022 | 11:00:00 - 11:15:00 | 7 | 2 | 7 | 1 | 5 | 3.8 | 342.4 | -8.9 | 62.1 | 1007.6 |
| 01/20/2022 | 11:15:00 - 11:30:00 | 7 | 2 | 6 | 1 | 5 | 4.3 | 330.7 | -8.6 | 60.4 | 1007.4 |
| 01/20/2022 | 11:30:00 - 11:45:00 | 5 | 2 | 5 | 1 | 6 | 4.6 | 332.4 | -8.7 | 59.3 | 1007.1 |
| 01/20/2022 | 11:45:00 - 12:00:00 | 4 | 2 | 4 | 1 | 3 | 4.7 | 326.2 | -8.5 | 59.2 | 1006.8 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 01/20/2022 | 12:00:00 - 12:15:00 | 4 | 2 | 5 | 1 | 4 | 5.1 | 351.4 | -8.0 | 58.1 | 1006.8 |
| 01/20/2022 | 12:15:00 - 12:30:00 | 4 | 2 | 5 | 1 | 4 | 5.1 | 350.0 | -7.8 | 57.1 | 1006.4 |
| 01/20/2022 | 12:30:00 - 12:45:00 | 4 | 2 | 4 | 1 | 4 | 4.8 | 347.2 | -7.6 | 56.7 | 1006.4 |
| 01/20/2022 | 12:45:00 - 13:00:00 | 3 | 2 | 4 | 1 | 5 | 4.0 | 357.4 | -7.0 | 54.4 | 1006.4 |
| 01/20/2022 | 13:00:00 - 13:15:00 | 5 | 2 | 5 | 1 | 4 | 4.9 | 342.0 | -7.1 | 54.7 | 1006.3 |
| 01/20/2022 | 13:15:00 - 13:30:00 | 6 | 2 | 5 | 1 | 4 | 5.4 | 337.9 | -6.8 | 54.4 | 1006.2 |
| 01/20/2022 | 13:30:00 - 13:45:00 | 4 | 2 | 4 | 1 | 4 | 4.4 | 346.6 | -6.6 | 53.2 | 1006.2 |
| 01/20/2022 | 13:45:00 - 14:00:00 | 3 | 2 | 4 | 1 | 4 | 6.6 | 332.3 | -6.8 | 53.6 | 1006.1 |
| 01/20/2022 | 14:00:00 - 14:15:00 | 3 | 2 | 4 | 1 | 4 | 3.8 | 353.9 | -6.6 | 53.9 | 1006.0 |
| 01/20/2022 | 14:15:00 - 14:30:00 | 3 | 2 | 4 | 1 | 4 | 3.5 | 357.4 | -6.3 | 53.0 | 1006.0 |
| 01/20/2022 | 14:30:00 - 14:45:00 | 3 | 2 | 4 | 1 | 3 | 4.5 | 345.8 | -6.5 | 52.9 | 1006.0 |
| 01/20/2022 | 14:45:00 - 15:00:00 | 3 | 2 | 4 | 1 | 4 | 4.5 | 356.2 | -6.5 | 52.7 | 1006.1 |
| 01/20/2022 | 15:00:00 - 15:15:00 | 3 | 2 | 4 | 1 | 4 | 4.1 | 8.9 | -6.5 | 51.8 | 1006.2 |
| 01/20/2022 | 15:15:00 - 15:30:00 | 3 | 2 | 4 | 1 | 4 | 4.1 | 1.1 | -6.7 | 52.4 | 1006.2 |
| 01/20/2022 | 15:30:00 - 15:45:00 | 3 | 2 | 4 | 1 | 4 | 3.3 | 11.0 | -7.0 | 53.3 | 1006.3 |
| 01/20/2022 | 15:45:00 - 16:00:00 | 5 | 2 | 5 | 1 | 4 | 3.6 | 349.5 | -7.1 | 54.4 | 1006.3 |
| 01/20/2022 | 16:00:00 - 16:15:00 | 4 | 2 | 5 | 1 | 4 | 3.6 | 349.3 | -7.3 | 55.3 | 1006.3 |
| 01/20/2022 | 16:15:00 - 16:30:00 | 4 | 2 | 5 | 1 | 4 | 3.4 | 352.6 | -7.5 | 56.0 | 1006.3 |
| 01/20/2022 | 16:30:00 - 16:45:00 | 4 | 2 | 5 | 1 | 5 | 3.0 | 6.6 | -7.7 | 57.3 | 1006.4 |
| 01/20/2022 | 16:45:00 - 17:00:00 | 4 | 2 | 5 | 1 | 4 | 2.7 | 349.3 | -8.1 | 58.5 | 1006.4 |
| 01/20/2022 | 17:00:00 - 17:15:00 | 5 | 2 | 5 | 1 | 4 | 2.4 | 347.6 | -8.3 | 59.9 | 1006.6 |
| 01/20/2022 | 17:15:00 - 17:30:00 | 5 | 2 | 5 | 1 | 4 | 2.4 | 347.9 | -8.6 | 61.5 | 1006.9 |
| 01/20/2022 | 17:30:00 - 17:45:00 | 5 | 2 | 5 | 1 | 4 | 2.1 | 339.1 | -8.8 | 63.1 | 1007.0 |
| 01/20/2022 | 17:45:00 - 18:00:00 | 6 | 3 | 6 | 1 | 4 | 1.8 | 349.2 | -9.1 | 64.7 | 1007.2 |
| 01/20/2022 | 18:00:00 - 18:15:00 | 5 | 2 | 5 | 1 | 4 | 1.7 | 337.1 | -9.3 | 65.7 | 1007.3 |
| 01/20/2022 | 18:15:00 - 18:30:00 | 5 | 2 | 5 | 1 | 4 | 1.3 | 329.0 | -9.6 | 67.1 | 1007.4 |
| 01/20/2022 | 18:30:00 - 18:45:00 | 5 | 2 | 5 | 1 | 4 | 1.5 | 336.6 | -9.8 | 68.2 | 1007.6 |
| 01/20/2022 | 18:45:00 - 19:00:00 | 5 | 3 | 6 | 1 | 5 | 1.3 | 331.9 | -10.0 | 69.2 | 1007.7 |
| 01/20/2022 | 19:00:00 - 19:15:00 | 6 | 3 | 6 | 1 | 5 | 1.2 | 322.1 | -10.2 | 70.0 | 1007.8 |
| 01/20/2022 | 19:15:00 - 19:30:00 | 6 | 3 | 6 | 1 | 4 | 1.3 | 342.4 | -10.4 | 70.6 | 1007.8 |
| 01/20/2022 | 19:30:00 - 19:45:00 | 6 | 3 | 6 | 1 | 5 | 0.9 | 327.4 | -10.5 | 71.5 | 1007.9 |
| 01/20/2022 | 19:45:00 - 20:00:00 | 6 | 3 | 6 | 2 | 5 | 2.0 | 313.2 | -10.7 | 72.5 | 1008.0 |
| 01/20/2022 | 20:00:00 - 20:15:00 | 6 | 3 | 6 | 1 | 5 | 2.5 | 309.7 | -11.0 | 73.4 | 1008.0 |
| 01/20/2022 | 20:15:00 - 20:30:00 | 6 | 3 | 6 | 1 | 5 | 2.5 | 319.1 | -11.1 | 74.4 | 1008.0 |
| 01/20/2022 | 20:30:00 - 20:45:00 | 6 | 3 | 6 | 1 | 5 | 2.1 | 310.5 | -11.3 | 75.5 | 1007.9 |
| 01/20/2022 | 20:45:00 - 21:00:00 | 7 | 3 | 6 | 2 | 6 | 2.2 | 315.4 | -11.5 | 76.6 | 1008.0 |
| 01/20/2022 | 21:00:00 - 21:15:00 | 7 | 3 | 7 | 2 | 6 | 1.1 | 329.8 | -11.6 | 77.6 | 1007.9 |
| 01/20/2022 | 21:15:00 - 21:30:00 | 8 | 3 | 7 | 2 | 7 | 0.8 | 341.3 | -11.8 | 78.0 | 1008.0 |
| 01/20/2022 | 21:30:00 - 21:45:00 | 7 | 3 | 6 | 2 | 6 | 1.4 | 350.5 | -12.0 | 79.0 | 1008.0 |
| 01/20/2022 | 21:45:00 - 22:00:00 | 7 | 3 | 6 | 2 | 6 | 1.2 | 349.7 | -12.2 | 79.3 | 1008.0 |
| 01/20/2022 | 22:00:00 - 22:15:00 | 7 | 3 | 6 | 2 | 6 | 1.0 | 344.0 | -12.3 | 79.4 | 1008.0 |
| 01/20/2022 | 22:15:00 - 22:30:00 | 7 | 3 | 6 | 2 | 6 | 1.5 | 349.2 | -12.4 | 79.6 | 1007.8 |
| 01/20/2022 | 22:30:00 - 22:45:00 | 8 | 3 | 7 | 2 | 6 | 1.6 | 329.3 | -12.4 | 79.0 | 1007.8 |
| 01/20/2022 | 22:45:00 - 23:00:00 | 7 | 3 | 7 | 2 | 6 | 1.4 | 330.7 | -12.6 | 79.0 | 1007.8 |
| 01/20/2022 | 23:00:00 - 23:15:00 | 7 | 3 | 6 | 2 | 6 | 1.8 | 337.4 | -12.7 | 79.0 | 1007.7 |
| 01/20/2022 | 23:15:00 - 23:30:00 | 8 | 3 | 7 | 2 | 6 | 1.4 | 312.4 | -12.7 | 79.0 | 1007.6 |
| 01/20/2022 | 23:30:00 - 23:45:00 | 7 | 3 | 7 | 2 | 6 | 1.3 | 331.4 | -12.8 | 79.0 | 1007.5 |
| 01/21/2022 | 23:45:00 - 00:00:00 | 7 | 3 | 7 | 2 | 6 | 1.5 | 314.8 | -12.9 | 79.0 | 1007.4 |
| 01/21/2022 | 00:00:00 - 00:15:00 | 8 | 3 | 7 | 2 | 6 | 1.0 | 329.2 | -13.0 | 79.3 | 1007.2 |
| 01/21/2022 | 00:15:00 - 00:30:00 | 8 | 3 | 7 | 2 | 7 | 0.8 | 347.4 | -13.2 | 80.0 | 1007.1 |
| 01/21/2022 | 00:30:00 - 00:45:00 | 9 | 3 | 7 | 2 | 7 | 0.8 | 357.5 | -13.4 | 80.8 | 1007.1 |
| 01/21/2022 | 00:45:00 - 01:00:00 | 9 | 4 | 7 | 2 | 7 | 1.4 | 5.5 | -13.5 | 81.0 | 1007.0 |
| 01/21/2022 | 01:00:00 - 01:15:00 | 9 | 4 | 7 | 2 | 7 | 1.5 | 2.9 | -13.6 | 81.5 | 1007.0 |
| 01/21/2022 | 01:15:00 - 01:30:00 | 9 | 4 | 7 | 2 | 8 | 0.8 | 358.5 | -13.7 | 82.0 | 1007.0 |
| 01/21/2022 | 01:30:00 - 01:45:00 | 9 | 4 | 7 | 2 | 8 | 1.1 | 340.6 | -13.8 | 82.0 | 1007.1 |
| 01/21/2022 | 01:45:00 - 02:00:00 | 9 | 4 | 7 | 2 | 8 | 0.9 | 355.7 | -13.9 | 82.0 | 1007.1 |
| 01/21/2022 | 02:00:00 - 02:15:00 | 10 | 4 | 7 | 2 | 8 | 1.4 | 344.6 | -14.0 | 82.8 | 1007.2 |
| 01/21/2022 | 02:15:00 - 02:30:00 | 9 | 4 | 8 | 2 | 9 | 0.8 | 2.9 | -14.0 | 83.0 | 1007.2 |
| 01/21/2022 | 02:30:00 - 02:45:00 | 10 | 4 | 8 | 2 | 8 | 1.4 | 352.8 | -14.1 | 83.0 | 1007.2 |
| 01/21/2022 | 02:45:00 - 03:00:00 | 10 | 4 | 8 | 2 | 9 | 0.9 | 2.8 | -14.2 | 83.0 | 1007.2 |
| 01/21/2022 | 03:00:00 - 03:15:00 | 10 | 4 | 8 | 2 | 9 | 1.0 | 8.1 | -14.3 | 83.0 | 1007.2 |
| 01/21/2022 | 03:15:00 - 03:30:00 | 11 | 4 | 8 | 2 | 8 | 1.3 | 352.7 | -14.3 | 83.6 | 1007.3 |
| 01/21/2022 | 03:30:00 - 03:45:00 | 10 | 4 | 8 | 2 | 9 | 1.4 | 359.1 | -14.5 | 83.6 | 1007.2 |
| 01/21/2022 | 03:45:00 - 04:00:00 | 11 | 4 | 9 | 2 | 9 | 1.6 | 357.8 | -14.5 | 84.0 | 1007.3 |
| 01/21/2022 | 04:00:00 - 04:15:00 | 11 | 4 | 9 | 2 | 9 | 1.5 | 350.7 | -14.6 | 84.0 | 1007.4 |
| 01/21/2022 | 04:15:00 - 04:30:00 | 12 | 4 | 9 | 2 | 10 | 1.5 | 10.5 | -14.7 | 84.0 | 1007.5 |
| 01/21/2022 | 04:30:00 - 04:45:00 | 12 | 4 | 9 | 3 | 10 | 1.8 | 29.5 | -14.7 | 84.0 | 1007.6 |
| 01/21/2022 | 04:45:00 - 05:00:00 | 12 | 5 | 9 | 3 | 11 | 1.7 | 27.3 | -14.9 | 84.6 | 1007.7 |
| 01/21/2022 | 05:00:00 - 05:15:00 | 13 | 5 | 10 | 3 | 12 | 0.9 | 27.5 | -15.0 | 85.0 | 1007.8 |
| 01/21/2022 | 05:15:00 - 05:30:00 | 13 | 5 | 10 | 3 | 11 | 0.7 | 6.0 | -15.1 | 85.2 | 1007.9 |
| 01/21/2022 | 05:30:00 - 05:45:00 | 14 | 5 | 10 | 3 | 11 | 1.0 | 4.5 | -15.0 | 85.4 | 1008.0 |
| 01/21/2022 | 05:45:00 - 06:00:00 | 14 | 5 | 10 | 3 | 11 | 0.7 | 356.5 | -15.1 | 85.1 | 1008.0 |
| 01/21/2022 | 06:00:00 - 06:15:00 | 15 | 5 | 11 | 3 | 11 | 0.9 | 338.2 | -15.1 | 86.0 | 1008.1 |
| 01/21/2022 | 06:15:00 - 06:30:00 | 15 | 5 | 10 | 3 | 12 | 0.5 | 41.1 | -15.3 | 86.0 | 1008.1 |
| 01/21/2022 | 06:30:00 - 06:45:00 | 17 | 5 | 11 | 3 | 12 | 0.9 | 3.6 | -15.2 | 86.0 | 1008.3 |
| 01/21/2022 | 06:45:00 - 07:00:00 | 16 | 5 | 11 | 3 | 13 | 0.7 | 35.0 | -15.4 | 86.0 | 1008.3 |
| 01/21/2022 | 07:00:00 - 07:15:00 | 19 | 7 | 12 | 4 | 15 | 1.0 | 57.8 | -15.5 | 86.5 | 1008.2 |
| 01/21/2022 | 07:15:00 - 07:30:00 | 23 | 8 | 15 | 5 | 19 | 1.2 | 58.2 | -15.4 | 87.0 | 1008.2 |
| 01/21/2022 | 07:30:00 - 07:45:00 | 24 | 8 | 15 | 5 | 20 | 0.5 | 21.6 | -15.1 | 87.0 | 1008.3 |
| 01/21/2022 | 07:45:00 - 08:00:00 | 22 | 7 | 14 | 5 | 18 | 0.5 | 22.1 | -14.2 | 85.5 | 1008.2 |
| 01/21/2022 | 08:00:00 - 08:15:00 | 21 | 6 | 14 | 6 | 17 | 0.9 | 126.8 | -13.4 | 83.4 | 1008.0 |
| 01/21/2022 | 08:15:00 - 08:30:00 | 18 | 6 | 14 | 5 | 16 | 0.7 | 108.9 | -12.6 | 82.0 | 1008.0 |
| 01/21/2022 | 08:30:00 - 08:45:00 | 17 | 5 | 13 | 4 | 15 | 1.8 | 107.2 | -11.7 | 80.4 | 1008.0 |
| 01/21/2022 | 08:45:00 - 09:00:00 | 16 | 5 | 14 | 3 | 13 | 1.3 | 107.0 | -10.7 | 78.4 | 1008.0 |
| 01/21/2022 | 09:00:00 - 09:15:00 | 14 | 5 | 12 | 3 | 12 | 1.8 | 110.1 | -9.3 | 75.6 | 1007.9 |
| 01/21/2022 | 09:15:00 - 09:30:00 | 12 | 4 | 10 | 3 | 10 | 3.1 | 103.0 | -8.4 | 72.3 | 1007.6 |
| 01/21/2022 | 09:30:00 - 09:45:00 | 11 | 4 | 9 | 2 | 9 | 4.1 | 93.0 | -7.6 | 70.8 | 1007.6 |
| 01/21/2022 | 09:45:00 - 10:00:00 | 10 | 4 | 9 | 2 | 9 | 4.7 | 110.3 | -6.9 | 69.7 | 1007.6 |
| 01/21/2022 | 10:00:00 - 10:15:00 | 9 | 4 | 8 | 2 | 9 | 6.2 | 100.8 | -6.9 | 69.5 | 1007.6 |
| 01/21/2022 | 10:15:00 - 10:30:00 | 8 | 4 | 8 | 2 | 8 | 5.3 | 114.8 | -6.7 | 68.3 | 1007.6 |
| 01/21/2022 | 10:30:00 - 10:45:00 | 8 | 4 | 8 | 2 | 8 | 3.9 | 113.8 | -6.3 | 66.4 | 1007.5 |
| 01/21/2022 | 10:45:00 - 11:00:00 | 8 | 3 | 8 | 2 | 8 | 3.3 | 109.5 | -6.2 | 63.3 | 1007.4 |
| 01/21/2022 | 11:00:00 - 11:15:00 | 6 | Offline | 7 | 2 | 7 | 3.9 | 113.9 | -5.4 | 58.1 | 1007.4 |
| 01/21/2022 | 11:15:00 - 11:30:00 | 6 | 3 | 6 | 2 | 6 | 3.5 | 115.2 | -5.7 | 58.8 | 1007.3 |
| 01/21/2022 | 11:30:00 - 11:45:00 | 6 | 3 | 6 | 2 | 6 | 3.9 | 85.3 | -5.7 | 57.6 | 1007.0 |
| 01/21/2022 | 11:45:00 - 12:00:00 | 6 | 3 | 7 | 2 | 7 | 4.1 | 101.4 | -5.3 | 57.2 | 1006.8 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 01/21/2022 | 12:00:00 - 12:15:00 | 9 | 3 | 9 | 2 | 8 | 4.0 | 76.7 | -5.3 | 56.8 | 1006.7 |
| 01/21/2022 | 12:15:00 - 12:30:00 | 7 | 3 | 7 | 2 | 6 | 3.5 | 107.2 | -5.1 | 56.3 | 1006.4 |
| 01/21/2022 | 12:30:00 - 12:45:00 | 6 | 3 | 7 | 2 | 6 | 2.7 | 160.2 | -4.7 | 54.6 | 1006.3 |
| 01/21/2022 | 12:45:00 - 13:00:00 | 6 | 3 | 6 | 2 | 6 | 3.0 | 126.3 | -4.8 | 55.0 | 1006.2 |
| 01/21/2022 | 13:00:00 - 13:15:00 | 6 | 3 | 6 | 2 | 6 | 2.9 | 133.9 | -4.4 | 54.0 | 1006.1 |
| 01/21/2022 | 13:15:00 - 13:30:00 | 6 | 3 | 6 | 2 | 7 | 1.8 | 94.8 | -4.4 | 53.9 | 1005.9 |
| 01/21/2022 | 13:30:00 - 13:45:00 | 6 | 3 | 6 | 2 | 6 | 2.6 | 132.0 | -4.1 | 52.6 | 1005.7 |
| 01/21/2022 | 13:45:00 - 14:00:00 | 7 | 3 | 6 | 2 | 7 | 2.7 | 95.3 | -4.4 | 54.3 | 1005.6 |
| 01/21/2022 | 14:00:00 - 14:15:00 | 7 | 3 | 7 | 2 | 7 | 3.0 | 119.3 | -4.1 | 53.0 | 1005.5 |
| 01/21/2022 | 14:15:00 - 14:30:00 | 7 | 3 | 7 | 2 | 7 | 3.0 | 117.6 | -4.0 | 52.8 | 1005.1 |
| 01/21/2022 | 14:30:00 - 14:45:00 | 7 | 3 | 7 | 2 | 7 | 3.5 | 94.0 | -4.3 | 52.8 | 1005.3 |
| 01/21/2022 | 14:45:00 - 15:00:00 | 7 | 3 | 7 | 2 | 7 | 2.6 | 81.3 | -4.0 | 52.9 | 1005.4 |
| 01/21/2022 | 15:00:00 - 15:15:00 | 7 | 3 | 7 | 2 | 7 | 3.2 | 117.9 | -4.0 | 52.6 | 1005.1 |
| 01/21/2022 | 15:15:00 - 15:30:00 | 7 | 3 | 7 | 2 | 7 | 2.4 | 181.2 | -3.7 | 51.9 | 1005.0 |
| 01/21/2022 | 15:30:00 - 15:45:00 | 8 | 3 | 7 | 2 | 8 | 2.1 | 149.3 | -4.2 | 53.3 | 1005.1 |
| 01/21/2022 | 15:45:00 - 16:00:00 | 8 | 3 | 8 | 2 | 8 | 2.9 | 114.4 | -4.7 | 54.7 | 1005.1 |
| 01/21/2022 | 16:00:00 - 16:15:00 | 8 | 3 | 8 | 2 | 8 | 1.6 | 123.9 | -4.9 | 55.4 | 1005.0 |
| 01/21/2022 | 16:15:00 - 16:30:00 | 9 | 4 | 8 | 2 | 8 | 1.5 | 130.7 | -4.9 | 55.8 | 1004.9 |
| 01/21/2022 | 16:30:00 - 16:45:00 | 9 | 4 | 9 | 2 | 9 | 1.7 | 174.9 | -5.0 | 55.1 | 1004.8 |
| 01/21/2022 | 16:45:00 - 17:00:00 | 10 | 4 | 9 | 2 | 9 | 2.4 | 149.6 | -5.2 | 55.0 | 1004.8 |
| 01/21/2022 | 17:00:00 - 17:15:00 | 10 | 4 | 9 | 2 | 9 | 1.5 | 173.4 | -5.5 | 56.3 | 1004.8 |
| 01/21/2022 | 17:15:00 - 17:30:00 | 11 | 4 | 9 | 2 | 9 | 1.6 | 172.3 | -6.0 | 58.4 | 1004.8 |
| 01/21/2022 | 17:30:00 - 17:45:00 | 11 | 4 | 10 | 2 | 10 | 1.7 | 159.4 | -5.8 | 58.7 | 1004.7 |
| 01/21/2022 | 17:45:00 - 18:00:00 | 12 | 4 | 10 | 3 | 10 | 2.2 | 144.4 | -5.8 | 59.0 | 1004.6 |
| 01/21/2022 | 18:00:00 - 18:15:00 | 13 | 5 | 11 | 3 | 11 | 3.1 | 144.3 | -5.7 | 59.0 | 1004.7 |
| 01/21/2022 | 18:15:00 - 18:30:00 | 13 | 5 | 11 | 3 | 11 | 3.5 | 142.3 | -5.7 | 59.0 | 1004.5 |
| 01/21/2022 | 18:30:00 - 18:45:00 | 13 | 5 | 11 | 3 | 12 | 2.6 | 131.0 | -6.0 | 60.7 | 1004.2 |
| 01/21/2022 | 18:45:00 - 19:00:00 | 14 | 5 | 12 | 3 | 12 | 2.3 | 141.0 | -6.2 | 61.4 | 1004.2 |
| 01/21/2022 | 19:00:00 - 19:15:00 | 13 | 5 | 11 | 3 | 12 | 2.1 | 153.0 | -6.3 | 61.9 | 1004.3 |
| 01/21/2022 | 19:15:00 - 19:30:00 | 13 | 5 | 11 | 3 | 12 | 1.5 | 183.4 | -6.7 | 62.9 | 1004.4 |
| 01/21/2022 | 19:30:00 - 19:45:00 | 15 | 5 | 12 | 3 | 13 | 1.3 | 200.3 | -6.9 | 64.5 | 1004.6 |
| 01/21/2022 | 19:45:00 - 20:00:00 | 17 | 6 | 14 | 3 | 15 | 1.2 | 215.1 | -7.0 | 65.1 | 1004.5 |
| 01/21/2022 | 20:00:00 - 20:15:00 | 14 | 6 | 11 | 3 | 12 | 0.9 | 216.4 | -7.3 | 66.8 | 1004.6 |
| 01/21/2022 | 20:15:00 - 20:30:00 | 14 | 5 | 12 | 3 | 13 | 1.2 | 195.4 | -7.9 | 69.1 | 1004.3 |
| 01/21/2022 | 20:30:00 - 20:45:00 | 17 | 7 | 14 | 3 | 15 | 1.8 | 234.8 | -7.6 | 69.0 | 1004.0 |
| 01/21/2022 | 20:45:00 - 21:00:00 | 23 | 8 | 18 | 5 | 19 | 2.0 | 237.7 | -7.8 | 70.0 | 1003.9 |
| 01/21/2022 | 21:00:00 - 21:15:00 | 22 | 7 | 17 | 5 | 18 | 1.6 | 230.6 | -8.1 | 71.8 | 1004.3 |
| 01/21/2022 | 21:15:00 - 21:30:00 | 20 | 7 | 16 | 4 | 17 | 1.8 | 232.1 | -8.2 | 72.8 | 1004.4 |
| 01/21/2022 | 21:30:00 - 21:45:00 | 20 | 7 | 16 | 4 | 17 | 1.6 | 199.4 | -8.4 | 72.6 | 1004.2 |
| 01/21/2022 | 21:45:00 - 22:00:00 | 18 | 6 | 14 | 4 | 15 | 1.8 | 212.9 | -8.1 | 72.2 | 1004.0 |
| 01/21/2022 | 22:00:00 - 22:15:00 | 16 | 6 | 13 | 3 | 14 | 2.2 | 207.9 | -7.7 | 71.8 | 1003.8 |
| 01/21/2022 | 22:15:00 - 22:30:00 | 16 | 6 | 13 | 3 | 13 | 2.6 | 204.9 | -7.5 | 71.5 | 1003.3 |
| 01/21/2022 | 22:30:00 - 22:45:00 | 18 | 6 | 14 | 4 | 15 | 2.3 | 219.4 | -7.6 | 71.3 | 1003.1 |
| 01/21/2022 | 22:45:00 - 23:00:00 | 19 | 6 | 15 | 4 | 15 | 1.8 | 213.6 | -8.1 | 73.2 | 1003.2 |
| 01/21/2022 | 23:00:00 - 23:15:00 | 16 | 5 | 13 | 3 | 13 | 2.2 | 197.2 | -7.9 | 73.0 | 1002.9 |
| 01/21/2022 | 23:15:00 - 23:30:00 | 15 | 5 | 12 | 3 | 12 | 2.4 | 183.9 | -7.8 | 71.0 | 1002.7 |
| 01/21/2022 | 23:30:00 - 23:45:00 | 15 | 5 | 12 | 3 | 13 | 2.5 | 188.9 | -8.1 | 71.7 | 1002.5 |
| 01/22/2022 | 23:45:00 - 00:00:00 | 16 | 6 | 13 | 3 | 14 | 2.7 | 188.9 | -8.5 | 72.7 | 1002.6 |
| 01/22/2022 | 00:00:00 - 00:15:00 | 17 | 6 | 13 | 3 | 14 | 2.3 | 189.4 | -8.7 | 73.8 | 1002.7 |
| 01/22/2022 | 00:15:00 - 00:30:00 | 17 | 6 | 13 | 4 | 14 | 2.7 | 199.1 | -8.8 | 74.6 | 1002.7 |
| 01/22/2022 | 00:30:00 - 00:45:00 | 16 | 6 | 13 | 3 | 14 | 3.5 | 201.8 | -8.3 | 74.1 | 1002.5 |
| 01/22/2022 | 00:45:00 - 01:00:00 | 17 | 6 | 13 | 4 | 14 | 3.5 | 210.4 | -8.0 | 73.0 | 1002.4 |
| 01/22/2022 | 01:00:00 - 01:15:00 | 18 | 6 | 14 | 4 | 16 | 4.0 | 214.4 | -8.2 | 73.0 | 1002.4 |
| 01/22/2022 | 01:15:00 - 01:30:00 | 19 | 7 | 15 | 4 | 17 | 3.0 | 241.9 | -8.5 | 74.0 | 1002.6 |
| 01/22/2022 | 01:30:00 - 01:45:00 | 19 | 7 | 15 | 4 | 16 | 3.0 | 239.3 | -8.7 | 75.3 | 1002.9 |
| 01/22/2022 | 01:45:00 - 02:00:00 | 18 | 7 | 15 | 4 | 16 | 3.8 | 248.2 | -8.9 | 76.2 | 1003.3 |
| 01/22/2022 | 02:00:00 - 02:15:00 | 17 | 6 | 14 | 4 | 15 | 3.4 | 211.3 | -9.1 | 77.0 | 1002.9 |
| 01/22/2022 | 02:15:00 - 02:30:00 | 17 | 6 | 14 | 4 | 15 | 3.1 | 207.9 | -9.1 | 76.7 | 1002.8 |
| 01/22/2022 | 02:30:00 - 02:45:00 | 17 | 6 | 14 | 4 | 15 | 3.0 | 216.0 | -9.0 | 76.2 | 1002.6 |
| 01/22/2022 | 02:45:00 - 03:00:00 | 18 | 6 | 14 | 4 | 15 | 3.4 | 221.9 | -9.0 | 77.0 | 1002.3 |
| 01/22/2022 | 03:00:00 - 03:15:00 | 18 | 6 | 15 | 4 | 16 | 3.2 | 231.1 | -9.0 | 77.0 | 1002.0 |
| 01/22/2022 | 03:15:00 - 03:30:00 | 19 | 7 | 15 | 4 | 16 | 4.2 | 210.3 | -8.9 | 77.0 | 1001.8 |
| 01/22/2022 | 03:30:00 - 03:45:00 | 19 | 7 | 15 | 4 | 17 | 3.9 | 210.3 | -8.8 | 77.0 | 1001.6 |
| 01/22/2022 | 03:45:00 - 04:00:00 | 19 | 7 | 15 | 4 | 17 | 4.3 | 204.4 | -8.9 | 77.6 | 1001.4 |
| 01/22/2022 | 04:00:00 - 04:15:00 | 19 | 7 | 15 | 4 | 16 | 4.4 | 214.4 | -8.8 | 77.0 | 1001.3 |
| 01/22/2022 | 04:15:00 - 04:30:00 | 20 | 7 | 15 | 4 | 17 | 4.5 | 204.8 | -8.9 | 77.8 | 1001.3 |
| 01/22/2022 | 04:30:00 - 04:45:00 | 19 | 7 | 15 | 4 | 17 | 4.9 | 212.5 | -8.7 | 77.2 | 1001.2 |
| 01/22/2022 | 04:45:00 - 05:00:00 | 19 | 7 | 15 | 4 | 17 | 4.0 | 211.0 | -8.7 | 77.1 | 1001.0 |
| 01/22/2022 | 05:00:00 - 05:15:00 | 19 | 7 | 15 | 4 | 17 | 4.9 | 213.3 | -8.5 | 77.0 | 1000.7 |
| 01/22/2022 | 05:15:00 - 05:30:00 | 19 | 8 | 16 | 4 | 17 | 4.9 | 213.2 | -8.6 | 77.5 | 1000.6 |
| 01/22/2022 | 05:30:00 - 05:45:00 | 20 | 7 | 16 | 4 | 17 | 4.8 | 213.6 | -8.6 | 78.0 | 1000.6 |
| 01/22/2022 | 05:45:00 - 06:00:00 | 19 | 7 | 16 | 4 | 17 | 5.2 | 213.2 | -8.5 | 78.0 | 1000.3 |
| 01/22/2022 | 06:00:00 - 06:15:00 | 19 | 7 | 15 | 4 | 17 | 6.3 | 209.9 | -8.3 | 77.6 | 999.9 |
| 01/22/2022 | 06:15:00 - 06:30:00 | 19 | 7 | 15 | 4 | 16 | 5.3 | 211.5 | -8.1 | 77.5 | 999.8 |
| 01/22/2022 | 06:30:00 - 06:45:00 | 19 | 7 | 15 | 4 | 16 | 5.5 | 205.1 | -7.9 | 77.8 | 999.9 |
| 01/22/2022 | 06:45:00 - 07:00:00 | 19 | 7 | 16 | 4 | 17 | 5.1 | 206.1 | -7.7 | 78.0 | 999.9 |
| 01/22/2022 | 07:00:00 - 07:15:00 | 19 | 7 | 15 | 4 | 17 | 5.6 | 206.5 | -7.6 | 78.0 | 999.8 |
| 01/22/2022 | 07:15:00 - 07:30:00 | 18 | 7 | 15 | 4 | 17 | 5.5 | 205.8 | -7.3 | 77.2 | 999.5 |
| 01/22/2022 | 07:30:00 - 07:45:00 | 18 | 7 | 15 | 4 | 16 | 6.4 | 208.9 | -7.1 | 76.3 | 999.3 |
| 01/22/2022 | 07:45:00 - 08:00:00 | 18 | 6 | 14 | 4 | 15 | 5.1 | 208.7 | -6.9 | 75.5 | 999.1 |
| 01/22/2022 | 08:00:00 - 08:15:00 | 16 | 6 | 14 | 4 | 15 | 6.3 | 212.8 | -6.8 | 74.1 | 999.2 |
| 01/22/2022 | 08:15:00 - 08:30:00 | 16 | 6 | 13 | 3 | 15 | 5.9 | 207.6 | -6.5 | 73.5 | 999.2 |
| 01/22/2022 | 08:30:00 - 08:45:00 | 15 | 6 | 13 | 3 | 14 | 6.1 | 213.4 | -6.3 | 72.4 | 999.1 |
| 01/22/2022 | 08:45:00 - 09:00:00 | 14 | 6 | 12 | 3 | 13 | 6.1 | 214.7 | -5.9 | 71.1 | 998.9 |
| 01/22/2022 | 09:00:00 - 09:15:00 | 13 | 5 | 11 | 3 | 13 | 5.7 | 219.0 | -5.4 | 68.7 | 998.7 |
| 01/22/2022 | 09:15:00 - 09:30:00 | 13 | 5 | 11 | 3 | 12 | 5.1 | 221.2 | -5.0 | 66.5 | 998.7 |
| 01/22/2022 | 09:30:00 - 09:45:00 | 12 | 5 | 11 | 3 | 11 | 4.5 | 236.0 | -4.6 | 64.5 | 998.5 |
| 01/22/2022 | 09:45:00 - 10:00:00 | 12 | 5 | 11 | 3 | 11 | 4.3 | 229.2 | -4.4 | 64.5 | 998.5 |
| 01/22/2022 | 10:00:00 - 10:15:00 | 11 | 5 | 10 | 3 | 11 | 4.5 | 219.7 | -3.6 | 62.8 | 998.4 |
| 01/22/2022 | 10:15:00 - 10:30:00 | 11 | 5 | 10 | 3 | 11 | 5.0 | 250.8 | -3.2 | 61.0 | 998.5 |
| 01/22/2022 | 10:30:00 - 10:45:00 | 11 | 5 | 10 | 3 | 11 | 4.8 | 236.3 | -3.0 | 60.9 | 998.4 |
| 01/22/2022 | 10:45:00 - 11:00:00 | 11 | 5 | 10 | 3 | 11 | 5.1 | 234.6 | -2.7 | 59.4 | 998.2 |
| 01/22/2022 | 11:00:00 - 11:15:00 | 11 | 5 | 10 | 3 | 11 | 4.7 | 238.4 | -2.6 | 59.1 | 997.9 |
| 01/22/2022 | 11:15:00 - 11:30:00 | 10 | 4 | 10 | 3 | 11 | 4.7 | 237.8 | -2.3 | 57.8 | 997.8 |
| 01/22/2022 | 11:30:00 - 11:45:00 | 10 | 4 | 9 | 2 | 10 | 5.4 | 247.2 | -1.8 | 55.4 | 997.5 |
| 01/22/2022 | 11:45:00 - 12:00:00 | 9 | 4 | 9 | 2 | 9 | 6.4 | 255.3 | -1.3 | 53.4 | 997.1 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 01/22/2022 | 12:00:00 - 12:15:00 | 9 | 4 | 8 | 2 | 9 | 6.5 | 265.6 | -0.8 | 52.1 | 996.8 |
| 01/22/2022 | 12:15:00 - 12:30:00 | 9 | 4 | 8 | 2 | 9 | 6.6 | 262.8 | -0.5 | 52.1 | 996.6 |
| 01/22/2022 | 12:30:00 - 12:45:00 | 9 | 4 | 8 | 2 | 9 | 7.4 | 264.8 | -0.2 | 52.1 | 996.3 |
| 01/22/2022 | 12:45:00 - 13:00:00 | 8 | 4 | 8 | 2 | 8 | 6.6 | 268.5 | 0.2 | 51.6 | 996.1 |
| 01/22/2022 | 13:00:00 - 13:15:00 | 8 | 4 | 8 | 2 | 8 | 6.0 | 274.9 | 0.8 | 50.5 | 996.1 |
| 01/22/2022 | 13:15:00 - 13:30:00 | 8 | 3 | 7 | 2 | 8 | 6.3 | 266.7 | 1.1 | 50.0 | 996.0 |
| 01/22/2022 | 13:30:00 - 13:45:00 | 8 | 3 | 7 | 2 | 8 | 8.5 | 274.3 | 1.5 | 50.2 | 995.8 |
| 01/22/2022 | 13:45:00 - 14:00:00 | 7 | 3 | 7 | 2 | 7 | 8.8 | 271.2 | 1.8 | 50.8 | 995.8 |
| 01/22/2022 | 14:00:00 - 14:15:00 | 7 | 3 | 7 | 2 | 7 | 7.5 | 284.5 | 2.1 | 51.6 | 995.6 |
| 01/22/2022 | 14:15:00 - 14:30:00 | 7 | 3 | 7 | 2 | 7 | 7.4 | 281.9 | 2.0 | 52.5 | 995.5 |
| 01/22/2022 | 14:30:00 - 14:45:00 | 7 | 3 | 6 | 2 | 6 | 7.4 | 281.5 | 2.1 | 53.6 | 995.3 |
| 01/22/2022 | 14:45:00 - 15:00:00 | 7 | 3 | 7 | 2 | 7 | 8.8 | 273.9 | 2.1 | 53.5 | 995.2 |
| 01/22/2022 | 15:00:00 - 15:15:00 | 6 | 3 | 6 | 2 | 6 | 8.2 | 286.6 | 2.0 | 53.8 | 995.2 |
| 01/22/2022 | 15:15:00 - 15:30:00 | 6 | 3 | 6 | 2 | 6 | 7.8 | 287.3 | 1.9 | 52.0 | 995.1 |
| 01/22/2022 | 15:30:00 - 15:45:00 | 6 | 3 | 6 | 2 | 5 | 7.8 | 292.9 | 1.7 | 51.5 | 994.9 |
| 01/22/2022 | 15:45:00 - 16:00:00 | 5 | 3 | 5 | 2 | 6 | 7.2 | 296.3 | 1.4 | 51.1 | 994.9 |
| 01/22/2022 | 16:00:00 - 16:15:00 | 6 | 3 | 6 | 1 | 6 | 5.4 | 287.9 | 1.3 | 52.0 | 994.9 |
| 01/22/2022 | 16:15:00 - 16:30:00 | 5 | 3 | 5 | 2 | 6 | 6.4 | 278.6 | 1.0 | 52.7 | 994.9 |
| 01/22/2022 | 16:30:00 - 16:45:00 | 5 | 3 | 5 | 1 | 5 | 5.7 | 291.4 | 0.7 | 52.6 | 994.9 |
| 01/22/2022 | 16:45:00 - 17:00:00 | 4 | 3 | 5 | 1 | 5 | 5.4 | 287.5 | 0.3 | 52.8 | 995.0 |
| 01/22/2022 | 17:00:00 - 17:15:00 | 4 | 3 | 5 | 1 | 5 | 4.0 | 288.0 | -0.1 | 54.6 | 994.9 |
| 01/22/2022 | 17:15:00 - 17:30:00 | 5 | 3 | 5 | 1 | 6 | 4.6 | 284.5 | -0.5 | 56.9 | 995.0 |
| 01/22/2022 | 17:30:00 - 17:45:00 | 5 | 3 | 6 | 1 | 6 | 4.0 | 282.0 | -0.8 | 58.2 | 995.0 |
| 01/22/2022 | 17:45:00 - 18:00:00 | 5 | 3 | 6 | 2 | 6 | 4.8 | 277.5 | -1.0 | 58.6 | 994.9 |
| 01/22/2022 | 18:00:00 - 18:15:00 | 6 | 3 | 6 | 2 | 7 | 5.2 | 271.3 | -1.1 | 60.0 | 994.9 |
| 01/22/2022 | 18:15:00 - 18:30:00 | 6 | 3 | 6 | 2 | 7 | 5.3 | 272.0 | -1.2 | 60.7 | 994.8 |
| 01/22/2022 | 18:30:00 - 18:45:00 | 6 | 3 | 6 | 2 | 7 | 6.0 | 270.5 | -1.3 | 60.3 | 994.7 |
| 01/22/2022 | 18:45:00 - 19:00:00 | 6 | 3 | 6 | 2 | 6 | 5.3 | 268.3 | -1.4 | 60.0 | 994.5 |
| 01/22/2022 | 19:00:00 - 19:15:00 | 5 | 3 | 6 | 2 | 6 | 4.8 | 270.4 | -1.4 | 59.4 | 994.2 |
| 01/22/2022 | 19:15:00 - 19:30:00 | 5 | 3 | 6 | 2 | 6 | 5.1 | 269.7 | -1.5 | 60.1 | 994.1 |
| 01/22/2022 | 19:30:00 - 19:45:00 | 5 | 3 | 6 | 2 | 6 | 5.3 | 268.2 | -1.6 | 60.0 | 993.9 |
| 01/22/2022 | 19:45:00 - 20:00:00 | 5 | 3 | 6 | 2 | 6 | 5.5 | 264.8 | -1.6 | 60.2 | 993.8 |
| 01/22/2022 | 20:00:00 - 20:15:00 | 5 | 3 | 6 | 2 | 6 | 4.7 | 262.3 | -1.8 | 61.0 | 993.8 |
| 01/22/2022 | 20:15:00 - 20:30:00 | 5 | 3 | 6 | 1 | 6 | 3.8 | 259.4 | -1.9 | 61.3 | 993.8 |
| 01/22/2022 | 20:30:00 - 20:45:00 | 5 | 3 | 6 | 1 | 6 | 2.9 | 245.9 | -1.9 | 61.8 | 993.5 |
| 01/22/2022 | 20:45:00 - 21:00:00 | 5 | 3 | 6 | 1 | 5 | 2.5 | 240.4 | -2.2 | 62.6 | 993.3 |
| 01/22/2022 | 21:00:00 - 21:15:00 | 5 | 3 | 5 | 1 | 5 | 2.9 | 252.5 | -2.3 | 62.6 | 993.2 |
| 01/22/2022 | 21:15:00 - 21:30:00 | 5 | 3 | 5 | 1 | 6 | 3.9 | 265.2 | -2.2 | 62.2 | 993.2 |
| 01/22/2022 | 21:30:00 - 21:45:00 | 5 | 3 | 5 | 1 | 5 | 3.4 | 264.5 | -2.2 | 61.9 | 993.2 |
| 01/22/2022 | 21:45:00 - 22:00:00 | 5 | 3 | 6 | 1 | 6 | 2.3 | 248.2 | -2.1 | 63.5 | 993.0 |
| 01/22/2022 | 22:00:00 - 22:15:00 | 6 | 3 | 6 | 2 | 6 | 2.2 | 233.3 | -2.1 | 65.5 | 992.6 |
| 01/22/2022 | 22:15:00 - 22:30:00 | 6 | 3 | 6 | 2 | 7 | 1.9 | 215.1 | -2.4 | 67.2 | 992.2 |
| 01/22/2022 | 22:30:00 - 22:45:00 | 7 | 3 | 7 | 2 | 7 | 2.5 | 219.1 | -2.3 | 68.0 | 991.7 |
| 01/22/2022 | 22:45:00 - 23:00:00 | 7 | 3 | 7 | 2 | 8 | 3.8 | 226.7 | -2.1 | 69.0 | 991.3 |
| 01/22/2022 | 23:00:00 - 23:15:00 | 8 | 4 | 7 | 2 | 8 | 3.3 | 228.8 | -2.2 | 69.8 | 991.3 |
| 01/22/2022 | 23:15:00 - 23:30:00 | 8 | 4 | 7 | 2 | 8 | 2.9 | 221.6 | -2.3 | 71.0 | 991.2 |
| 01/22/2022 | 23:30:00 - 23:45:00 | 7 | 3 | 7 | 2 | 8 | 2.9 | 224.6 | -2.2 | 70.4 | 990.9 |
| 01/23/2022 | 23:45:00 - 00:00:00 | 7 | 3 | 7 | 2 | 7 | 3.8 | 222.3 | -2.1 | 70.2 | 990.4 |
| 01/23/2022 | 00:00:00 - 00:15:00 | 7 | 3 | 7 | 2 | 8 | 3.5 | 212.2 | -2.2 | 70.5 | 989.9 |
| 01/23/2022 | 00:15:00 - 00:30:00 | 7 | 3 | 7 | 2 | 7 | 2.8 | 202.3 | -2.4 | 70.6 | 989.3 |
| 01/23/2022 | 00:30:00 - 00:45:00 | 7 | 3 | 7 | 2 | 8 | 2.4 | 200.0 | -2.6 | 71.9 | 989.0 |
| 01/23/2022 | 00:45:00 - 01:00:00 | 7 | 3 | 7 | 2 | 8 | 3.0 | 199.1 | -2.6 | 72.4 | 988.8 |
| 01/23/2022 | 01:00:00 - 01:15:00 | 7 | 4 | 7 | 2 | 8 | 4.4 | 210.3 | -2.1 | 70.2 | 988.5 |
| 01/23/2022 | 01:15:00 - 01:30:00 | 7 | 3 | 7 | 2 | 8 | 5.0 | 208.2 | -1.7 | 67.8 | 988.0 |
| 01/23/2022 | 01:30:00 - 01:45:00 | 7 | 3 | 7 | 2 | 7 | 5.5 | 210.6 | -1.5 | 67.0 | 987.6 |
| 01/23/2022 | 01:45:00 - 02:00:00 | 7 | 3 | 7 | 2 | 7 | 4.8 | 208.0 | -1.4 | 67.2 | 987.2 |
| 01/23/2022 | 02:00:00 - 02:15:00 | 7 | 3 | 7 | 2 | 7 | 5.5 | 210.0 | -1.2 | 67.4 | 986.8 |
| 01/23/2022 | 02:15:00 - 02:30:00 | 7 | 4 | 7 | 2 | 8 | 6.1 | 207.5 | -1.0 | 67.4 | 986.5 |
| 01/23/2022 | 02:30:00 - 02:45:00 | 7 | 3 | 7 | 2 | 8 | 4.3 | 212.2 | -0.7 | 67.1 | 986.1 |
| 01/23/2022 | 02:45:00 - 03:00:00 | 7 | 3 | 7 | 2 | 8 | 5.3 | 217.3 | -0.5 | 66.9 | 985.5 |
| 01/23/2022 | 03:00:00 - 03:15:00 | 7 | 3 | 7 | 2 | 8 | 5.4 | 206.8 | -0.3 | 66.2 | 985.1 |
| 01/23/2022 | 03:15:00 - 03:30:00 | 7 | 3 | 7 | 2 | 8 | 5.0 | 212.2 | 0.1 | 66.0 | 984.8 |
| 01/23/2022 | 03:30:00 - 03:45:00 | 8 | 4 | 8 | 2 | 8 | 4.7 | 213.5 | 0.4 | 66.2 | 984.3 |
| 01/23/2022 | 03:45:00 - 04:00:00 | 8 | 4 | 8 | 2 | 8 | 5.0 | 221.0 | 0.6 | 66.2 | 984.2 |
| 01/23/2022 | 04:00:00 - 04:15:00 | 8 | 4 | 8 | 2 | 9 | 6.4 | 225.8 | 1.2 | 68.3 | 983.6 |
| 01/23/2022 | 04:15:00 - 04:30:00 | 8 | 4 | 8 | 2 | 9 | 4.8 | 232.4 | 1.3 | 72.4 | 983.3 |
| 01/23/2022 | 04:30:00 - 04:45:00 | 8 | 4 | 8 | 2 | 9 | 5.3 | 233.5 | 1.5 | 70.1 | 983.1 |
| 01/23/2022 | 04:45:00 - 05:00:00 | 9 | 4 | 8 | 2 | 9 | 4.3 | 238.6 | 1.7 | 68.1 | 983.0 |
| 01/23/2022 | 05:00:00 - 05:15:00 | 8 | 4 | 8 | 2 | 9 | 5.1 | 256.7 | 1.8 | 67.1 | 982.9 |
| 01/23/2022 | 05:15:00 - 05:30:00 | 8 | 4 | 8 | 2 | 9 | 4.7 | 251.7 | 1.8 | 67.0 | 982.8 |
| 01/23/2022 | 05:30:00 - 05:45:00 | 8 | 4 | 8 | 2 | 8 | 5.9 | 256.2 | 2.1 | 65.8 | 982.7 |
| 01/23/2022 | 05:45:00 - 06:00:00 | 7 | 3 | 7 | 2 | 8 | 4.2 | 256.1 | 2.3 | 65.0 | 982.5 |
| 01/23/2022 | 06:00:00 - 06:15:00 | 7 | 3 | 7 | 2 | 8 | 4.8 | 251.4 | 2.3 | 65.0 | 982.5 |
| 01/23/2022 | 06:15:00 - 06:30:00 | 7 | 3 | 7 | 2 | 7 | 6.2 | 260.0 | 2.4 | 65.0 | 982.5 |
| 01/23/2022 | 06:30:00 - 06:45:00 | 6 | 3 | 6 | 2 | 6 | 7.3 | 270.0 | 2.8 | 65.0 | 982.5 |
| 01/23/2022 | 06:45:00 - 07:00:00 | 5 | 3 | 5 | 1 | 5 | 9.2 | 267.1 | 3.4 | 64.3 | 982.5 |
| 01/23/2022 | 07:00:00 - 07:15:00 | 4 | 3 | 5 | 1 | 5 | 10.0 | 271.8 | 3.4 | 64.6 | 982.6 |
| 01/23/2022 | 07:15:00 - 07:30:00 | 8 | 3 | 6 | 1 | 5 | 10.9 | 283.9 | 3.3 | 67.5 | 983.0 |
| 01/23/2022 | 07:30:00 - 07:45:00 | 7 | 3 | 6 | 2 | 6 | 10.4 | 312.7 | 1.4 | 78.1 | 983.9 |
| 01/23/2022 | 07:45:00 - 08:00:00 | 8 | 3 | 7 | 2 | 8 | 10.1 | 312.1 | -0.7 | 81.5 | 984.4 |
| 01/23/2022 | 08:00:00 - 08:15:00 | 14 | 5 | 12 | 3 | 12 | 10.2 | 332.9 | -2.4 | 84.3 | 984.7 |
| 01/23/2022 | 08:15:00 - 08:30:00 | 19 | 6 | 15 | 4 | 16 | 9.3 | 336.1 | -3.5 | 86.2 | 985.1 |
| 01/23/2022 | 08:30:00 - 08:45:00 | 15 | 6 | 13 | 3 | 14 | 8.6 | 349.1 | -3.5 | 85.5 | 985.4 |
| 01/23/2022 | 08:45:00 - 09:00:00 | 12 | 4 | 10 | 3 | 11 | 8.8 | 350.4 | -3.6 | 83.4 | 985.9 |
| 01/23/2022 | 09:00:00 - 09:15:00 | 11 | 4 | 10 | 3 | 10 | 8.5 | 339.0 | -4.0 | 83.3 | 986.3 |
| 01/23/2022 | 09:15:00 - 09:30:00 | 10 | 4 | 9 | 2 | 9 | 8.4 | 336.4 | -4.5 | 82.9 | 986.8 |
| 01/23/2022 | 09:30:00 - 09:45:00 | 10 | 4 | 9 | 2 | 9 | 7.6 | 337.5 | -4.9 | 83.3 | 987.2 |
| 01/23/2022 | 09:45:00 - 10:00:00 | 8 | 3 | 7 | 2 | 7 | 7.0 | 348.0 | -5.3 | 81.8 | 987.6 |
| 01/23/2022 | 10:00:00 - 10:15:00 | 7 | 3 | 7 | 2 | 7 | 6.4 | 334.4 | -5.4 | 80.9 | 987.9 |
| 01/23/2022 | 10:15:00 - 10:30:00 | 7 | 3 | 7 | 2 | 7 | 6.9 | 323.2 | -5.2 | 80.3 | 988.0 |
| 01/23/2022 | 10:30:00 - 10:45:00 | 7 | 3 | 6 | 2 | 7 | 6.4 | 332.1 | -5.0 | 79.5 | 988.1 |
| 01/23/2022 | 10:45:00 - 11:00:00 | 6 | 3 | 6 | 2 | 7 | 8.1 | 325.5 | -5.2 | 78.2 | 988.2 |
| 01/23/2022 | 11:00:00 - 11:15:00 | 5 | 3 | 6 | 1 | 6 | 6.7 | 334.4 | -4.8 | 75.8 | 988.3 |
| 01/23/2022 | 11:15:00 - 11:30:00 | 5 | 3 | 5 | 1 | 5 | 6.9 | 319.7 | -4.4 | 73.9 | 988.4 |
| 01/23/2022 | 11:30:00 - 11:45:00 | 5 | 2 | 5 | 1 | 5 | 7.3 | 329.6 | -3.9 | 70.1 | 988.3 |
| 01/23/2022 | 11:45:00 - 12:00:00 | 4 | 2 | 4 | 1 | 4 | 8.5 | 326.3 | -4.7 | 69.8 | 988.6 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 01/23/2022 | 12:00:00 - 12:15:00 | 3 | 2 | 4 | 1 | 4 | 6.8 | 333.5 | -4.5 | 68.7 | 988.6 |
| 01/23/2022 | 12:15:00 - 12:30:00 | 4 | 2 | 4 | 1 | 4 | 6.3 | 345.5 | -4.3 | 67.2 | 988.6 |
| 01/23/2022 | 12:30:00 - 12:45:00 | 4 | 2 | 4 | 1 | 4 | 7.1 | 345.1 | -4.0 | 66.4 | 988.4 |
| 01/23/2022 | 12:45:00 - 13:00:00 | 4 | 2 | 5 | 1 | 4 | 6.1 | 329.7 | -3.7 | 65.1 | 988.5 |
| 01/23/2022 | 13:00:00 - 13:15:00 | 3 | 2 | 4 | 1 | 4 | 5.1 | 348.7 | -3.8 | 66.0 | 988.5 |
| 01/23/2022 | 13:15:00 - 13:30:00 | 3 | 2 | 4 | 1 | 4 | 5.5 | 331.9 | -3.8 | 65.6 | 988.7 |
| 01/23/2022 | 13:30:00 - 13:45:00 | 3 | 2 | 4 | 1 | 4 | 5.0 | 355.0 | -3.4 | 64.5 | 988.5 |
| 01/23/2022 | 13:45:00 - 14:00:00 | 3 | 2 | 4 | 1 | 4 | 4.5 | 346.9 | -3.5 | 63.9 | 988.6 |
| 01/23/2022 | 14:00:00 - 14:15:00 | 4 | 2 | 4 | 1 | 4 | 3.7 | 335.7 | -3.8 | 64.0 | 988.6 |
| 01/23/2022 | 14:15:00 - 14:30:00 | 3 | 2 | 4 | 1 | 4 | 4.5 | 334.2 | -3.9 | 64.6 | 988.6 |
| 01/23/2022 | 14:30:00 - 14:45:00 | 3 | 2 | 4 | 1 | 4 | 5.7 | 321.6 | -3.9 | 64.3 | 988.7 |
| 01/23/2022 | 14:45:00 - 15:00:00 | 3 | 2 | 4 | 1 | 4 | 5.2 | 326.0 | -3.6 | 63.2 | 988.5 |
| 01/23/2022 | 15:00:00 - 15:15:00 | 4 | 2 | 5 | 1 | 5 | 5.4 | 332.8 | -3.6 | 61.8 | 988.4 |
| 01/23/2022 | 15:15:00 - 15:30:00 | 3 | 2 | 4 | 1 | 4 | 3.9 | 334.0 | -3.7 | 61.9 | 988.2 |
| 01/23/2022 | 15:30:00 - 15:45:00 | 4 | 2 | 5 | 1 | 4 | 3.9 | 330.5 | -3.9 | 62.8 | 988.5 |
| 01/23/2022 | 15:45:00 - 16:00:00 | 4 | 2 | 5 | 1 | 5 | 3.3 | 358.5 | -4.1 | 63.1 | 988.6 |
| 01/23/2022 | 16:00:00 - 16:15:00 | 4 | 2 | 5 | 1 | 4 | 4.4 | 324.2 | -4.2 | 63.1 | 988.7 |
| 01/23/2022 | 16:15:00 - 16:30:00 | 4 | 2 | 5 | 1 | 5 | 3.5 | 324.2 | -4.4 | 63.1 | 988.9 |
| 01/23/2022 | 16:30:00 - 16:45:00 | 5 | 3 | 5 | 1 | 5 | 4.8 | 329.4 | -4.7 | 63.0 | 989.1 |
| 01/23/2022 | 16:45:00 - 17:00:00 | 5 | 3 | 5 | 1 | 4 | 3.3 | 328.9 | -5.1 | 63.9 | 989.2 |
| 01/23/2022 | 17:00:00 - 17:15:00 | 4 | 3 | 5 | 1 | 4 | 2.8 | 318.9 | -5.4 | 64.6 | 989.4 |
| 01/23/2022 | 17:15:00 - 17:30:00 | 4 | 2 | 5 | 1 | 4 | 2.9 | 327.3 | -5.7 | 65.1 | 989.4 |
| 01/23/2022 | 17:30:00 - 17:45:00 | 4 | 2 | 5 | 1 | 4 | 2.8 | 328.7 | -6.1 | 66.1 | 989.5 |
| 01/23/2022 | 17:45:00 - 18:00:00 | 4 | 2 | 5 | 1 | 4 | 3.0 | 329.1 | -6.4 | 66.6 | 989.4 |
| 01/23/2022 | 18:00:00 - 18:15:00 | 4 | 2 | 5 | 1 | 4 | 2.8 | 322.4 | -6.6 | 67.0 | 989.5 |
| 01/23/2022 | 18:15:00 - 18:30:00 | 4 | 2 | 5 | 1 | 4 | 1.6 | 340.0 | -6.8 | 67.3 | 989.4 |
| 01/23/2022 | 18:30:00 - 18:45:00 | 4 | 2 | 5 | 1 | 4 | 1.7 | 343.1 | -7.1 | 67.5 | 989.2 |
| 01/23/2022 | 18:45:00 - 19:00:00 | 4 | 2 | 5 | 1 | 4 | 3.2 | 325.0 | -7.2 | 66.7 | 989.4 |
| 01/23/2022 | 19:00:00 - 19:15:00 | 3 | 2 | 4 | 1 | 4 | 1.9 | 338.5 | -7.3 | 65.8 | 989.3 |
| 01/23/2022 | 19:15:00 - 19:30:00 | 4 | 2 | 4 | 1 | 4 | 1.0 | 341.2 | -7.5 | 66.5 | 989.0 |
| 01/23/2022 | 19:30:00 - 19:45:00 | 3 | 2 | 4 | 1 | 3 | 1.1 | 346.5 | -7.4 | 66.5 | 988.8 |
| 01/23/2022 | 19:45:00 - 20:00:00 | 3 | 2 | 4 | 1 | 3 | 1.1 | 5.2 | -7.5 | 66.0 | 988.6 |
| 01/23/2022 | 20:00:00 - 20:15:00 | 3 | 2 | 4 | 1 | 3 | 0.9 | 348.2 | -7.5 | 66.0 | 988.7 |
| 01/23/2022 | 20:15:00 - 20:30:00 | 3 | 2 | 4 | 1 | 4 | 1.0 | 103.1 | -7.8 | 66.6 | 988.5 |
| 01/23/2022 | 20:30:00 - 20:45:00 | 3 | 2 | 4 | 1 | 3 | 0.2 | 235.5 | -8.0 | 67.3 | 988.6 |
| 01/23/2022 | 20:45:00 - 21:00:00 | 3 | 2 | 4 | 1 | 3 | 1.0 | 123.7 | -8.1 | 67.5 | 988.6 |
| 01/23/2022 | 21:00:00 - 21:15:00 | 4 | 2 | 4 | 1 | 4 | 0.9 | 123.9 | -8.1 | 68.7 | 988.4 |
| 01/23/2022 | 21:15:00 - 21:30:00 | 5 | 3 | 6 | 1 | 5 | 1.1 | 133.8 | -8.1 | 69.2 | 988.2 |
| 01/23/2022 | 21:30:00 - 21:45:00 | 4 | 3 | 5 | 1 | 5 | 1.1 | 165.2 | -8.2 | 69.0 | 988.1 |
| 01/23/2022 | 21:45:00 - 22:00:00 | 4 | 2 | 5 | 1 | 5 | 1.2 | 171.0 | -8.2 | 69.7 | 987.8 |
| 01/23/2022 | 22:00:00 - 22:15:00 | 5 | 3 | 5 | 1 | 5 | 2.0 | 182.9 | -7.4 | 67.2 | 987.7 |
| 01/23/2022 | 22:15:00 - 22:30:00 | 5 | 3 | 5 | 1 | 5 | 2.2 | 182.0 | -7.3 | 67.9 | 987.7 |
| 01/23/2022 | 22:30:00 - 22:45:00 | 4 | 2 | 5 | 1 | 5 | 2.1 | 178.6 | -7.1 | 68.0 | 987.5 |
| 01/23/2022 | 22:45:00 - 23:00:00 | 4 | 2 | 5 | 1 | 4 | 2.0 | 175.9 | -7.0 | 67.9 | 987.3 |
| 01/23/2022 | 23:00:00 - 23:15:00 | 4 | 2 | 5 | 1 | 4 | 2.3 | 162.2 | -6.9 | 68.1 | 987.1 |
| 01/23/2022 | 23:15:00 - 23:30:00 | 4 | 3 | 5 | 1 | 5 | 2.6 | 171.7 | -6.8 | 69.3 | 986.5 |
| 01/23/2022 | 23:30:00 - 23:45:00 | 4 | 2 | 5 | 1 | 4 | 2.6 | 177.6 | -6.7 | 69.5 | 986.1 |
| 01/24/2022 | 23:45:00 - 00:00:00 | 4 | 2 | 5 | 1 | 5 | 2.9 | 179.3 | -6.6 | 70.0 | 985.6 |
| 01/24/2022 | 00:00:00 - 00:15:00 | 4 | 2 | 5 | 1 | 5 | 2.5 | 178.2 | -6.4 | 69.3 | 985.3 |
| 01/24/2022 | 00:15:00 - 00:30:00 | 5 | 3 | 5 | 1 | 5 | 2.2 | 185.4 | -6.3 | 69.2 | 985.2 |
| 01/24/2022 | 00:30:00 - 00:45:00 | 5 | 3 | 6 | 1 | 6 | 2.6 | 197.4 | -6.3 | 69.6 | 985.1 |
| 01/24/2022 | 00:45:00 - 01:00:00 | 6 | 3 | 6 | 2 | 6 | 3.3 | 198.6 | -6.2 | 70.0 | 984.9 |
| 01/24/2022 | 01:00:00 - 01:15:00 | 6 | 3 | 6 | 2 | 6 | 3.5 | 199.2 | -6.1 | 70.9 | 984.4 |
| 01/24/2022 | 01:15:00 - 01:30:00 | 7 | 3 | 7 | 2 | 7 | 2.8 | 189.2 | -6.0 | 72.2 | 984.1 |
| 01/24/2022 | 01:30:00 - 01:45:00 | 7 | 3 | 7 | 2 | 8 | 2.6 | 189.3 | -6.0 | 74.0 | 983.8 |
| 01/24/2022 | 01:45:00 - 02:00:00 | 7 | 3 | 7 | 2 | 7 | 3.0 | 183.5 | -6.0 | 76.5 | 983.3 |
| 01/24/2022 | 02:00:00 - 02:15:00 | 6 | 3 | 6 | 2 | 7 | 3.1 | 182.0 | -6.0 | 77.1 | 982.9 |
| 01/24/2022 | 02:15:00 - 02:30:00 | 6 | 3 | 6 | 2 | 6 | 2.7 | 182.4 | -6.0 | 78.0 | 982.7 |
| 01/24/2022 | 02:30:00 - 02:45:00 | 6 | 3 | 6 | 2 | 6 | 2.7 | 177.6 | -5.9 | 78.4 | 982.4 |
| 01/24/2022 | 02:45:00 - 03:00:00 | 6 | 3 | 6 | 2 | 6 | 3.3 | 189.0 | -5.8 | 79.0 | 982.2 |
| 01/24/2022 | 03:00:00 - 03:15:00 | 6 | 3 | 6 | 2 | 6 | 3.2 | 181.1 | -6.0 | 83.8 | 981.6 |
| 01/24/2022 | 03:15:00 - 03:30:00 | 6 | 3 | 6 | 2 | 6 | 3.1 | 180.5 | -6.1 | 86.6 | 981.2 |
| 01/24/2022 | 03:30:00 - 03:45:00 | 6 | 3 | 6 | 2 | 6 | 3.1 | 182.6 | -6.2 | 88.9 | 980.8 |
| 01/24/2022 | 03:45:00 - 04:00:00 | 6 | 3 | 6 | 2 | 7 | 3.3 | 179.6 | -6.2 | 90.7 | 980.6 |
| 01/24/2022 | 04:00:00 - 04:15:00 | 6 | 3 | 6 | 2 | 6 | 3.5 | 174.6 | -6.1 | 91.4 | 980.3 |
| 01/24/2022 | 04:15:00 - 04:30:00 | 6 | 3 | 6 | 2 | 7 | 3.9 | 179.5 | -6.0 | 92.0 | 979.9 |
| 01/24/2022 | 04:30:00 - 04:45:00 | 6 | 3 | 6 | 2 | 7 | 3.1 | 179.5 | -5.8 | 90.4 | 979.5 |
| 01/24/2022 | 04:45:00 - 05:00:00 | 6 | 3 | 6 | 2 | 7 | 3.8 | 187.0 | -5.4 | 87.7 | 979.2 |
| 01/24/2022 | 05:00:00 - 05:15:00 | 6 | 3 | 6 | 2 | 7 | 3.8 | 189.2 | -5.2 | 85.0 | 978.9 |
| 01/24/2022 | 05:15:00 - 05:30:00 | 6 | 3 | 6 | 2 | 7 | 4.4 | 188.0 | -5.0 | 82.8 | 978.7 |
| 01/24/2022 | 05:30:00 - 05:45:00 | 6 | 3 | 6 | 2 | 7 | 4.6 | 193.5 | -4.8 | 80.6 | 978.6 |
| 01/24/2022 | 05:45:00 - 06:00:00 | 6 | 3 | 6 | 2 | 7 | 4.5 | 194.7 | -4.7 | 79.2 | 978.7 |
| 01/24/2022 | 06:00:00 - 06:15:00 | 6 | 3 | 6 | 2 | 7 | 4.0 | 196.6 | -4.6 | 79.0 | 978.7 |
| 01/24/2022 | 06:15:00 - 06:30:00 | 7 | 3 | 7 | 2 | 7 | 3.9 | 191.9 | -4.5 | 78.6 | 978.4 |
| 01/24/2022 | 06:30:00 - 06:45:00 | 7 | 3 | 7 | 2 | 8 | 4.6 | 194.9 | -4.4 | 79.0 | 978.1 |
| 01/24/2022 | 06:45:00 - 07:00:00 | 8 | 4 | 7 | 2 | 8 | 4.2 | 189.0 | -4.2 | 79.0 | 977.7 |
| 01/24/2022 | 07:00:00 - 07:15:00 | 8 | 4 | 8 | 2 | 8 | 4.3 | 188.3 | -4.1 | 79.0 | 977.6 |
| 01/24/2022 | 07:15:00 - 07:30:00 | 9 | 4 | 8 | 2 | 9 | 4.8 | 201.6 | -4.0 | 79.3 | 977.5 |
| 01/24/2022 | 07:30:00 - 07:45:00 | 9 | 4 | 8 | 2 | 9 | 4.2 | 202.4 | -3.8 | 79.7 | 977.2 |
| 01/24/2022 | 07:45:00 - 08:00:00 | 9 | 4 | 8 | 2 | 9 | 5.3 | 197.6 | -3.7 | 80.0 | 977.1 |
| 01/24/2022 | 08:00:00 - 08:15:00 | 10 | 4 | 9 | 2 | 9 | 6.4 | 203.6 | -3.3 | 79.3 | 977.0 |
| 01/24/2022 | 08:15:00 - 08:30:00 | 10 | 4 | 9 | 2 | 10 | 6.4 | 203.8 | -2.9 | 79.0 | 976.9 |
| 01/24/2022 | 08:30:00 - 08:45:00 | 9 | 4 | 8 | 2 | 9 | 6.8 | 208.9 | -2.5 | 78.5 | 976.8 |
| 01/24/2022 | 08:45:00 - 09:00:00 | 9 | 4 | 8 | 2 | 9 | 6.2 | 213.9 | -2.0 | 78.0 | 976.8 |
| 01/24/2022 | 09:00:00 - 09:15:00 | 8 | 4 | 8 | 2 | 8 | 5.6 | 222.1 | -1.6 | 77.7 | 977.0 |
| 01/24/2022 | 09:15:00 - 09:30:00 | 8 | 4 | 8 | 2 | 8 | 3.9 | 219.9 | -1.1 | 77.0 | 977.2 |
| 01/24/2022 | 09:30:00 - 09:45:00 | 7 | 4 | 7 | 2 | 8 | 3.8 | 250.5 | -0.6 | 76.5 | 977.4 |
| 01/24/2022 | 09:45:00 - 10:00:00 | 8 | 4 | 8 | 2 | 8 | 3.4 | 235.6 | -0.2 | 76.7 | 977.4 |
| 01/24/2022 | 10:00:00 - 10:15:00 | 7 | 4 | 7 | 2 | 8 | 4.1 | 252.1 | 0.4 | 76.2 | 977.5 |
| 01/24/2022 | 10:15:00 - 10:30:00 | 7 | 4 | 7 | 2 | 7 | 4.2 | 259.1 | 1.1 | 75.6 | 977.5 |
| 01/24/2022 | 10:30:00 - 10:45:00 | 7 | 4 | 7 | 2 | 7 | 4.3 | 252.8 | 1.7 | 75.0 | 977.4 |
| 01/24/2022 | 10:45:00 - 11:00:00 | 7 | 4 | 7 | 2 | 7 | 5.8 | 267.6 | 2.1 | 75.0 | 977.4 |
| 01/24/2022 | 11:00:00 - 11:15:00 | 8 | 4 | 7 | 2 | 8 | 6.1 | 266.7 | 2.6 | 74.3 | 977.3 |
| 01/24/2022 | 11:15:00 - 11:30:00 | 7 | 4 | 7 | 2 | 7 | 6.9 | 271.1 | 2.8 | 73.7 | 977.2 |
| 01/24/2022 | 11:30:00 - 11:45:00 | 7 | 4 | 7 | 2 | 7 | 7.4 | 268.5 | 2.8 | 73.0 | 977.0 |
| 01/24/2022 | 11:45:00 - 12:00:00 | 8 | 4 | 7 | 2 | 7 | 8.5 | 270.7 | 2.9 | 73.2 | 977.2 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 01/24/2022 | 12:00:00 - 12:15:00 | 8 | 3 | 7 | 2 | 7 | 7.7 | 275.2 | 2.9 | 73.0 | 977.2 |
| 01/24/2022 | 12:15:00 - 12:30:00 | 8 | 4 | 7 | 2 | 7 | 7.2 | 285.7 | 3.0 | 73.8 | 977.3 |
| 01/24/2022 | 12:30:00 - 12:45:00 | 9 | 4 | 8 | 2 | 8 | 7.5 | 292.4 | 2.9 | 74.9 | 977.5 |
| 01/24/2022 | 12:45:00 - 13:00:00 | 9 | 4 | 8 | 2 | 8 | 8.1 | 289.9 | 2.3 | 78.7 | 977.7 |
| 01/24/2022 | 13:00:00 - 13:15:00 | 9 | 4 | 8 | 2 | 8 | 5.3 | 291.2 | 2.0 | 81.3 | 977.6 |
| 01/24/2022 | 13:15:00 - 13:30:00 | 10 | 4 | 9 | 2 | 8 | 5.2 | 303.9 | 2.2 | 81.1 | 977.8 |
| 01/24/2022 | 13:30:00 - 13:45:00 | 10 | 4 | 9 | 2 | 9 | 6.6 | 293.0 | 2.3 | 80.2 | 978.0 |
| 01/24/2022 | 13:45:00 - 14:00:00 | 12 | 4 | 10 | 2 | 10 | 7.1 | 293.4 | 2.1 | 80.7 | 978.2 |
| 01/24/2022 | 14:00:00 - 14:15:00 | 13 | 5 | 12 | 3 | 12 | 6.2 | 296.6 | 2.1 | 80.1 | 978.3 |
| 01/24/2022 | 14:15:00 - 14:30:00 | 18 | 6 | 15 | 3 | 14 | 7.1 | 311.9 | 1.8 | 80.4 | 978.7 |
| 01/24/2022 | 14:30:00 - 14:45:00 | 19 | 7 | 15 | 4 | 16 | 7.4 | 304.4 | 1.6 | 79.3 | 979.0 |
| 01/24/2022 | 14:45:00 - 15:00:00 | 21 | 7 | 17 | 4 | 17 | 6.9 | 306.0 | 1.3 | 79.3 | 979.3 |
| 01/24/2022 | 15:00:00 - 15:15:00 | 17 | 6 | 14 | 4 | 15 | 7.9 | 318.2 | 1.2 | 78.8 | 979.6 |
| 01/24/2022 | 15:15:00 - 15:30:00 | 14 | 5 | 12 | 3 | 13 | 7.3 | 314.4 | 1.0 | 78.4 | 980.0 |
| 01/24/2022 | 15:30:00 - 15:45:00 | 14 | 5 | 12 | 3 | 12 | 7.0 | 328.7 | 0.7 | 78.7 | 980.5 |
| 01/24/2022 | 15:45:00 - 16:00:00 | 15 | 5 | 13 | 3 | 13 | 7.6 | 325.5 | 0.0 | 79.9 | 980.7 |
| 01/24/2022 | 16:00:00 - 16:15:00 | 15 | 6 | 13 | 3 | 14 | 7.1 | 323.2 | -0.4 | 80.3 | 981.0 |
| 01/24/2022 | 16:15:00 - 16:30:00 | 16 | 6 | 14 | 3 | 14 | 7.6 | 324.7 | -0.9 | 81.2 | 981.5 |
| 01/24/2022 | 16:30:00 - 16:45:00 | 15 | 5 | 13 | 3 | 13 | 7.0 | 324.8 | -1.1 | 81.1 | 981.8 |
| 01/24/2022 | 16:45:00 - 17:00:00 | 13 | 5 | 11 | 3 | 12 | 6.3 | 319.7 | -1.4 | 81.0 | 982.1 |
| 01/24/2022 | 17:00:00 - 17:15:00 | 13 | 5 | 11 | 3 | 12 | 7.6 | 323.7 | -1.7 | 81.1 | 982.4 |
| 01/24/2022 | 17:15:00 - 17:30:00 | 11 | 4 | 10 | 3 | 11 | 6.1 | 315.0 | -1.9 | 80.6 | 982.8 |
| 01/24/2022 | 17:30:00 - 17:45:00 | 10 | 4 | 9 | 2 | 10 | 6.8 | 325.4 | -2.2 | 80.0 | 983.3 |
| 01/24/2022 | 17:45:00 - 18:00:00 | 11 | 4 | 10 | 3 | 10 | 6.7 | 314.8 | -2.3 | 80.1 | 983.7 |
| 01/24/2022 | 18:00:00 - 18:15:00 | 10 | 4 | 9 | 2 | 10 | 8.1 | 313.0 | -2.5 | 79.6 | 984.0 |
| 01/24/2022 | 18:15:00 - 18:30:00 | 10 | 4 | 9 | 2 | 10 | 6.5 | 312.7 | -2.6 | 79.4 | 984.4 |
| 01/24/2022 | 18:30:00 - 18:45:00 | 13 | 5 | 12 | 3 | 12 | 7.6 | 326.8 | -2.9 | 80.3 | 984.8 |
| 01/24/2022 | 18:45:00 - 19:00:00 | 18 | 6 | 15 | 4 | 16 | 6.5 | 339.5 | -3.6 | 82.0 | 985.2 |
| 01/24/2022 | 19:00:00 - 19:15:00 | 18 | 6 | 15 | 4 | 16 | 6.8 | 330.7 | -4.0 | 82.0 | 985.5 |
| 01/24/2022 | 19:15:00 - 19:30:00 | 15 | 6 | 13 | 3 | 14 | 7.4 | 330.8 | -4.5 | 80.4 | 986.0 |
| 01/24/2022 | 19:30:00 - 19:45:00 | 12 | 5 | 10 | 3 | 11 | 7.2 | 333.4 | -4.9 | 77.3 | 986.4 |
| 01/24/2022 | 19:45:00 - 20:00:00 | 13 | 5 | 12 | 3 | 12 | 6.5 | 335.1 | -5.1 | 78.5 | 986.7 |
| 01/24/2022 | 20:00:00 - 20:15:00 | 15 | 6 | 13 | 3 | 14 | 7.7 | 334.5 | -5.4 | 78.8 | 987.0 |
| 01/24/2022 | 20:15:00 - 20:30:00 | 15 | 6 | 13 | 3 | 14 | 7.0 | 335.1 | -5.7 | 78.9 | 987.3 |
| 01/24/2022 | 20:30:00 - 20:45:00 | 15 | 6 | 13 | 3 | 14 | 6.9 | 332.8 | -5.9 | 79.0 | 987.7 |
| 01/24/2022 | 20:45:00 - 21:00:00 | 14 | 5 | 12 | 3 | 13 | 4.8 | 351.7 | -6.3 | 79.1 | 988.0 |
| 01/24/2022 | 21:00:00 - 21:15:00 | 14 | 5 | 12 | 3 | 12 | 4.7 | 336.5 | -6.6 | 79.9 | 988.3 |
| 01/24/2022 | 21:15:00 - 21:30:00 | 11 | 4 | 10 | 2 | 10 | 5.7 | 333.7 | -6.9 | 75.6 | 988.6 |
| 01/24/2022 | 21:30:00 - 21:45:00 | 11 | 4 | 10 | 2 | 10 | 5.6 | 328.2 | -7.1 | 75.7 | 988.8 |
| 01/24/2022 | 21:45:00 - 22:00:00 | 13 | 5 | 11 | 3 | 11 | 4.4 | 341.4 | -7.4 | 80.3 | 989.1 |
| 01/24/2022 | 22:00:00 - 22:15:00 | 13 | 5 | 11 | 3 | 11 | 4.1 | 342.6 | -7.6 | 82.4 | 989.4 |
| 01/24/2022 | 22:15:00 - 22:30:00 | 13 | 5 | 11 | 3 | 11 | 4.5 | 340.5 | -7.8 | 83.4 | 989.4 |
| 01/24/2022 | 22:30:00 - 22:45:00 | 12 | 5 | 10 | 3 | 11 | 4.5 | 325.1 | -8.0 | 78.4 | 989.6 |
| 01/24/2022 | 22:45:00 - 23:00:00 | 12 | 5 | 11 | 3 | 11 | 3.7 | 323.7 | -8.6 | 78.2 | 989.8 |
| 01/24/2022 | 23:00:00 - 23:15:00 | 12 | 5 | 10 | 3 | 10 | 3.6 | 319.9 | -9.1 | 79.5 | 990.1 |
| 01/24/2022 | 23:15:00 - 23:30:00 | 12 | 4 | 10 | 2 | 10 | 3.2 | 323.4 | -9.5 | 79.3 | 990.5 |
| 01/24/2022 | 23:30:00 - 23:45:00 | 12 | 5 | 10 | 3 | 11 | 4.0 | 316.1 | -9.7 | 80.0 | 990.8 |
| 01/25/2022 | 23:45:00 - 00:00:00 | 12 | 4 | 10 | 3 | 10 | 3.5 | 321.1 | -10.0 | 79.8 | 990.9 |
| 01/25/2022 | 00:00:00 - 00:15:00 | 11 | 4 | 10 | 2 | 10 | 4.1 | 320.1 | -10.2 | 79.0 | 991.0 |
| 01/25/2022 | 00:15:00 - 00:30:00 | 11 | 4 | 10 | 2 | 10 | 3.9 | 327.0 | -10.4 | 79.5 | 991.0 |
| 01/25/2022 | 00:30:00 - 00:45:00 | 11 | 4 | 10 | 2 | 10 | 4.1 | 317.9 | -10.6 | 80.0 | 991.1 |
| 01/25/2022 | 00:45:00 - 01:00:00 | 12 | 5 | 10 | 3 | 10 | 2.7 | 315.1 | -10.7 | 80.5 | 991.3 |
| 01/25/2022 | 01:00:00 - 01:15:00 | 12 | 5 | 10 | 3 | 11 | 3.9 | 316.7 | -10.9 | 81.0 | 991.5 |
| 01/25/2022 | 01:15:00 - 01:30:00 | 12 | 4 | 10 | 3 | 10 | 3.6 | 316.7 | -11.0 | 80.8 | 991.7 |
| 01/25/2022 | 01:30:00 - 01:45:00 | 12 | 4 | 10 | 3 | 10 | 4.4 | 318.3 | -11.1 | 80.0 | 992.0 |
| 01/25/2022 | 01:45:00 - 02:00:00 | 12 | 4 | 10 | 2 | 10 | 4.5 | 320.4 | -11.2 | 80.0 | 992.3 |
| 01/25/2022 | 02:00:00 - 02:15:00 | 11 | 4 | 9 | 2 | 9 | 3.7 | 320.4 | -11.4 | 80.0 | 992.6 |
| 01/25/2022 | 02:15:00 - 02:30:00 | 11 | 4 | 9 | 2 | 10 | 2.4 | 307.1 | -11.5 | 80.0 | 992.9 |
| 01/25/2022 | 02:30:00 - 02:45:00 | 11 | 4 | 9 | 2 | 10 | 3.0 | 311.2 | -11.6 | 80.0 | 993.2 |
| 01/25/2022 | 02:45:00 - 03:00:00 | 12 | 4 | 10 | 3 | 10 | 3.0 | 319.8 | -11.7 | 80.0 | 993.3 |
| 01/25/2022 | 03:00:00 - 03:15:00 | 12 | 5 | 10 | 3 | 10 | 3.2 | 317.1 | -11.9 | 80.0 | 993.4 |
| 01/25/2022 | 03:15:00 - 03:30:00 | 13 | 5 | 10 | 3 | 11 | 3.3 | 317.4 | -12.1 | 80.0 | 993.6 |
| 01/25/2022 | 03:30:00 - 03:45:00 | 13 | 5 | 10 | 3 | 11 | 3.3 | 311.4 | -12.3 | 80.6 | 993.7 |
| 01/25/2022 | 03:45:00 - 04:00:00 | 13 | 5 | 10 | 3 | 11 | 3.7 | 313.6 | -12.5 | 81.0 | 994.0 |
| 01/25/2022 | 04:00:00 - 04:15:00 | 13 | 5 | 10 | 3 | 11 | 3.2 | 313.7 | -12.7 | 81.0 | 994.1 |
| 01/25/2022 | 04:15:00 - 04:30:00 | 13 | 5 | 10 | 3 | 11 | 3.1 | 304.0 | -12.7 | 81.0 | 994.3 |
| 01/25/2022 | 04:30:00 - 04:45:00 | 13 | 5 | 10 | 3 | 11 | 3.0 | 306.1 | -12.9 | 81.0 | 994.6 |
| 01/25/2022 | 04:45:00 - 05:00:00 | 13 | 5 | 11 | 3 | 11 | 3.5 | 320.4 | -13.0 | 81.0 | 994.7 |
| 01/25/2022 | 05:00:00 - 05:15:00 | 14 | 5 | 11 | 3 | 11 | 3.9 | 315.2 | -13.1 | 81.0 | 995.0 |
| 01/25/2022 | 05:15:00 - 05:30:00 | 14 | 5 | 11 | 3 | 12 | 3.8 | 312.3 | -13.2 | 81.0 | 995.2 |
| 01/25/2022 | 05:30:00 - 05:45:00 | 14 | 5 | 11 | 3 | 12 | 4.3 | 306.5 | -13.4 | 81.2 | 995.5 |
| 01/25/2022 | 05:45:00 - 06:00:00 | 15 | 5 | 12 | 3 | 13 | 3.5 | 310.6 | -13.5 | 82.0 | 995.7 |
| 01/25/2022 | 06:00:00 - 06:15:00 | 15 | 5 | 12 | 3 | 13 | 4.6 | 311.4 | -13.6 | 82.0 | 996.0 |
| 01/25/2022 | 06:15:00 - 06:30:00 | 16 | 5 | 12 | 3 | 13 | 3.8 | 303.0 | -13.8 | 82.0 | 996.2 |
| 01/25/2022 | 06:30:00 - 06:45:00 | 17 | 6 | 14 | 3 | 13 | 4.4 | 315.8 | -13.9 | 82.0 | 996.4 |
| 01/25/2022 | 06:45:00 - 07:00:00 | 35 | 6 | 30 | 3 | 13 | 5.5 | 321.6 | -14.0 | 82.0 | 996.7 |
| 01/25/2022 | 07:00:00 - 07:15:00 | 17 | 5 | 13 | 3 | 14 | 4.6 | 318.2 | -14.1 | 81.8 | 996.9 |
| 01/25/2022 | 07:15:00 - 07:30:00 | 18 | 5 | 14 | 3 | 13 | 4.7 | 319.6 | -14.2 | 81.0 | 997.1 |
| 01/25/2022 | 07:30:00 - 07:45:00 | 18 | 5 | 13 | 3 | 13 | 5.2 | 321.3 | -14.1 | 80.3 | 997.1 |
| 01/25/2022 | 07:45:00 - 08:00:00 | 18 | 5 | 13 | 3 | 13 | 4.4 | 324.9 | -13.8 | 79.0 | 997.2 |
| 01/25/2022 | 08:00:00 - 08:15:00 | 16 | 7 | 12 | 3 | 12 | 5.0 | 335.7 | -13.8 | 77.9 | 997.4 |
| 01/25/2022 | 08:15:00 - 08:30:00 | 14 | 4 | 10 | 3 | 14 | 6.4 | 324.6 | -13.7 | 77.1 | 997.6 |
| 01/25/2022 | 08:30:00 - 08:45:00 | 14 | 4 | 11 | 2 | 10 | 5.2 | 328.0 | -13.2 | 75.7 | 997.8 |
| 01/25/2022 | 08:45:00 - 09:00:00 | 12 | 4 | 10 | 2 | 9 | 4.7 | 325.3 | -12.9 | 74.4 | 998.1 |
| 01/25/2022 | 09:00:00 - 09:15:00 | 12 | 4 | 10 | 2 | 9 | 4.5 | 319.2 | -12.4 | 73.6 | 998.4 |
| 01/25/2022 | 09:15:00 - 09:30:00 | 11 | 4 | 9 | 2 | 9 | 4.0 | 329.1 | -11.9 | 72.4 | 998.6 |
| 01/25/2022 | 09:30:00 - 09:45:00 | 12 | 4 | 10 | 2 | 9 | 3.6 | 318.7 | -11.4 | 71.6 | 998.7 |
| 01/25/2022 | 09:45:00 - 10:00:00 | 9 | 3 | 8 | 2 | 8 | 3.8 | 319.7 | -11.0 | 70.4 | 998.9 |
| 01/25/2022 | 10:00:00 - 10:15:00 | 8 | 3 | 8 | 2 | 7 | 3.7 | 327.7 | -10.7 | 69.6 | 999.2 |
| 01/25/2022 | 10:15:00 - 10:30:00 | 7 | 3 | 7 | 2 | 7 | 3.6 | 325.1 | -10.0 | 68.2 | 999.2 |
| 01/25/2022 | 10:30:00 - 10:45:00 | 6 | 3 | 6 | 2 | 7 | 4.0 | 306.1 | -9.8 | 67.1 | 999.3 |
| 01/25/2022 | 10:45:00 - 11:00:00 | 7 | 3 | 7 | 1 | 7 | 4.1 | 332.9 | -9.5 | 65.8 | 999.4 |
| 01/25/2022 | 11:00:00 - 11:15:00 | 8 | 3 | 7 | 1 | 6 | 3.2 | 319.4 | -8.6 | 62.9 | 999.4 |
| 01/25/2022 | 11:15:00 - 11:30:00 | 8 | 3 | 7 | 1 | 6 | 4.9 | 313.2 | -8.4 | 58.7 | 999.4 |
| 01/25/2022 | 11:30:00 - 11:45:00 | 6 | 2 | 6 | 1 | 6 | 3.5 | 321.8 | -7.9 | 55.8 | 999.3 |
| 01/25/2022 | 11:45:00 - 12:00:00 | 6 | 3 | 6 | 1 | 5 | 3.6 | 333.3 | -7.8 | 53.1 | 999.2 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 01/25/2022 | 12:00:00 - 12:15:00 | 5 | 3 | 6 | 1 | 5 | 4.3 | 309.5 | -7.7 | 52.5 | 999.2 |
| 01/25/2022 | 12:15:00 - 12:30:00 | 5 | 2 | 6 | 1 | 5 | 2.9 | 306.0 | -7.3 | 50.9 | 999.1 |
| 01/25/2022 | 12:30:00 - 12:45:00 | 5 | 2 | 6 | 1 | 5 | 5.0 | 332.9 | -7.2 | 48.1 | 999.1 |
| 01/25/2022 | 12:45:00 - 13:00:00 | 6 | 2 | 7 | 1 | 7 | 5.3 | 336.7 | -7.1 | 47.9 | 999.0 |
| 01/25/2022 | 13:00:00 - 13:15:00 | 6 | 3 | 7 | 1 | 7 | 4.8 | 331.1 | -6.9 | 46.8 | 999.0 |
| 01/25/2022 | 13:15:00 - 13:30:00 | 6 | 3 | 6 | 1 | 6 | 4.5 | 312.8 | -6.7 | 46.2 | 998.9 |
| 01/25/2022 | 13:30:00 - 13:45:00 | 6 | 3 | 6 | 1 | 5 | 4.6 | 312.1 | -6.7 | 44.4 | 998.8 |
| 01/25/2022 | 13:45:00 - 14:00:00 | 5 | 3 | 5 | 1 | 5 | 4.2 | 317.0 | -6.5 | 44.2 | 998.8 |
| 01/25/2022 | 14:00:00 - 14:15:00 | 4 | 3 | 5 | 1 | 4 | 5.4 | 322.7 | -6.7 | 43.3 | 998.9 |
| 01/25/2022 | 14:15:00 - 14:30:00 | 4 | 2 | 5 | 1 | 4 | 4.6 | 324.7 | -6.3 | 43.0 | 999.0 |
| 01/25/2022 | 14:30:00 - 14:45:00 | 4 | 2 | 5 | 1 | 4 | 4.8 | 308.9 | -6.4 | 42.6 | 999.1 |
| 01/25/2022 | 14:45:00 - 15:00:00 | 4 | 3 | 5 | 1 | 4 | 4.6 | 312.7 | -6.3 | 41.7 | 999.1 |
| 01/25/2022 | 15:00:00 - 15:15:00 | 4 | 2 | 5 | 1 | 4 | 4.3 | 317.6 | -6.2 | 41.1 | 999.1 |
| 01/25/2022 | 15:15:00 - 15:30:00 | 4 | 2 | 5 | 1 | 4 | 3.8 | 329.7 | -6.4 | 40.6 | 999.1 |
| 01/25/2022 | 15:30:00 - 15:45:00 | 4 | 2 | 5 | 1 | 4 | 4.1 | 335.0 | -6.9 | 41.6 | 999.3 |
| 01/25/2022 | 15:45:00 - 16:00:00 | 3 | 2 | 4 | 1 | 4 | 4.2 | 316.1 | -7.1 | 41.4 | 999.4 |
| 01/25/2022 | 16:00:00 - 16:15:00 | 4 | 2 | 5 | 1 | 4 | 4.3 | 324.1 | -7.4 | 42.2 | 999.5 |
| 01/25/2022 | 16:15:00 - 16:30:00 | 4 | 2 | 5 | 1 | 4 | 3.5 | 318.4 | -7.5 | 43.4 | 999.6 |
| 01/25/2022 | 16:30:00 - 16:45:00 | 4 | 2 | 5 | 1 | 4 | 3.9 | 327.4 | -7.7 | 42.7 | 999.9 |
| 01/25/2022 | 16:45:00 - 17:00:00 | 5 | 2 | 6 | 1 | 4 | 4.1 | 325.0 | -8.2 | 43.5 | 1000.0 |
| 01/25/2022 | 17:00:00 - 17:15:00 | 4 | 2 | 5 | 1 | 4 | 5.1 | 326.1 | -8.6 | 45.8 | 1000.2 |
| 01/25/2022 | 17:15:00 - 17:30:00 | 5 | 3 | 5 | 1 | 5 | 3.9 | 317.6 | -9.0 | 47.8 | 1000.5 |
| 01/25/2022 | 17:30:00 - 17:45:00 | 5 | 3 | 5 | 1 | 5 | 5.2 | 319.8 | -9.5 | 48.6 | 1000.8 |
| 01/25/2022 | 17:45:00 - 18:00:00 | 5 | 3 | 6 | 1 | 5 | 4.9 | 316.7 | -9.9 | 49.3 | 1001.1 |
| 01/25/2022 | 18:00:00 - 18:15:00 | 5 | 3 | 6 | 1 | 5 | 4.2 | 315.4 | -10.2 | 51.4 | 1001.4 |
| 01/25/2022 | 18:15:00 - 18:30:00 | 5 | 3 | 6 | 1 | 5 | 4.5 | 319.6 | -10.5 | 52.0 | 1001.7 |
| 01/25/2022 | 18:30:00 - 18:45:00 | 6 | 3 | 6 | 1 | 5 | 3.6 | 316.3 | -10.7 | 53.2 | 1001.9 |
| 01/25/2022 | 18:45:00 - 19:00:00 | 7 | 3 | 7 | 2 | 7 | 4.4 | 315.0 | -10.9 | 53.6 | 1002.2 |
| 01/25/2022 | 19:00:00 - 19:15:00 | 6 | 3 | 6 | 1 | 6 | 3.3 | 315.4 | -11.2 | 54.5 | 1002.4 |
| 01/25/2022 | 19:15:00 - 19:30:00 | 6 | 3 | 6 | 1 | 6 | 3.2 | 307.4 | -11.5 | 55.8 | 1002.6 |
| 01/25/2022 | 19:30:00 - 19:45:00 | 8 | 3 | 7 | 2 | 7 | 2.7 | 311.5 | -11.7 | 56.6 | 1002.8 |
| 01/25/2022 | 19:45:00 - 20:00:00 | 8 | 4 | 8 | 2 | 8 | 3.4 | 297.5 | -11.8 | 57.3 | 1002.8 |
| 01/25/2022 | 20:00:00 - 20:15:00 | 8 | 4 | 7 | 2 | 9 | 3.2 | 308.9 | -12.0 | 57.9 | 1002.9 |
| 01/25/2022 | 20:15:00 - 20:30:00 | 8 | 3 | 7 | 2 | 7 | 3.5 | 304.0 | -12.1 | 58.4 | 1003.1 |
| 01/25/2022 | 20:30:00 - 20:45:00 | 7 | 3 | 7 | 2 | 7 | 3.1 | 295.4 | -12.3 | 59.0 | 1003.1 |
| 01/25/2022 | 20:45:00 - 21:00:00 | 8 | 4 | 7 | 2 | 7 | 3.3 | 298.4 | -12.5 | 59.9 | 1003.2 |
| 01/25/2022 | 21:00:00 - 21:15:00 | 8 | 4 | 7 | 2 | 7 | 4.2 | 309.3 | -12.7 | 61.0 | 1003.4 |
| 01/25/2022 | 21:15:00 - 21:30:00 | 8 | 4 | 7 | 2 | 7 | 4.0 | 301.8 | -12.9 | 60.5 | 1003.6 |
| 01/25/2022 | 21:30:00 - 21:45:00 | 7 | 3 | 7 | 2 | 7 | 3.2 | 298.0 | -13.1 | 60.1 | 1003.7 |
| 01/25/2022 | 21:45:00 - 22:00:00 | 7 | 4 | 7 | 2 | 6 | 3.6 | 304.6 | -13.3 | 60.7 | 1003.9 |
| 01/25/2022 | 22:00:00 - 22:15:00 | 7 | 4 | 6 | 2 | 6 | 3.8 | 295.7 | -13.4 | 60.9 | 1004.0 |
| 01/25/2022 | 22:15:00 - 22:30:00 | 7 | 3 | 6 | 2 | 6 | 3.4 | 298.3 | -13.6 | 61.0 | 1004.2 |
| 01/25/2022 | 22:30:00 - 22:45:00 | 7 | 3 | 6 | 2 | 6 | 4.0 | 304.3 | -13.8 | 62.3 | 1004.3 |
| 01/25/2022 | 22:45:00 - 23:00:00 | 7 | 4 | 6 | 2 | 6 | 4.8 | 311.0 | -14.1 | 63.0 | 1004.5 |
| 01/25/2022 | 23:00:00 - 23:15:00 | 7 | 3 | 7 | 2 | 6 | 4.8 | 329.2 | -14.5 | 63.0 | 1004.6 |
| 01/25/2022 | 23:15:00 - 23:30:00 | 7 | 3 | 6 | 1 | 6 | 4.2 | 324.1 | -14.8 | 62.2 | 1004.7 |
| 01/25/2022 | 23:30:00 - 23:45:00 | 7 | 3 | 6 | 1 | 6 | 5.2 | 311.4 | -15.0 | 62.3 | 1004.7 |
| 01/26/2022 | 23:45:00 - 00:00:00 | 7 | 3 | 6 | 2 | 6 | 3.8 | 313.7 | -15.2 | 63.7 | 1004.8 |
| 01/26/2022 | 00:00:00 - 00:15:00 | 7 | 3 | 6 | 2 | 6 | 4.8 | 332.5 | -15.5 | 65.6 | 1004.9 |
| 01/26/2022 | 00:15:00 - 00:30:00 | 7 | 3 | 6 | 2 | 6 | 4.7 | 329.1 | -15.7 | 66.2 | 1005.0 |
| 01/26/2022 | 00:30:00 - 00:45:00 | 9 | 3 | 7 | 2 | 6 | 3.6 | 333.7 | -15.9 | 67.7 | 1005.0 |
| 01/26/2022 | 00:45:00 - 01:00:00 | 9 | 3 | 7 | 2 | 6 | 5.3 | 327.2 | -16.1 | 68.0 | 1005.0 |
| 01/26/2022 | 01:00:00 - 01:15:00 | 8 | 3 | 7 | 2 | 7 | 6.5 | 330.2 | -16.3 | 68.2 | 1005.1 |
| 01/26/2022 | 01:15:00 - 01:30:00 | 8 | 3 | 7 | 2 | 7 | 4.4 | 324.0 | -16.5 | 68.7 | 1005.1 |
| 01/26/2022 | 01:30:00 - 01:45:00 | 8 | 4 | 6 | 2 | 7 | 3.6 | 316.3 | -16.6 | 70.2 | 1005.3 |
| 01/26/2022 | 01:45:00 - 02:00:00 | 8 | 3 | 6 | 2 | 7 | 4.6 | 324.0 | -16.8 | 71.1 | 1005.5 |
| 01/26/2022 | 02:00:00 - 02:15:00 | 8 | 3 | 6 | 2 | 7 | 4.3 | 296.0 | -16.9 | 72.0 | 1005.7 |
| 01/26/2022 | 02:15:00 - 02:30:00 | 8 | 3 | 6 | 2 | 7 | 4.4 | 313.9 | -17.0 | 72.0 | 1005.7 |
| 01/26/2022 | 02:30:00 - 02:45:00 | 8 | 4 | 7 | 2 | 7 | 3.6 | 309.6 | -17.2 | 72.9 | 1005.9 |
| 01/26/2022 | 02:45:00 - 03:00:00 | 8 | 4 | 7 | 2 | 7 | 3.9 | 308.2 | -17.3 | 73.0 | 1005.9 |
| 01/26/2022 | 03:00:00 - 03:15:00 | 9 | 4 | 7 | 2 | 7 | 4.4 | 323.8 | -17.4 | 73.0 | 1005.9 |
| 01/26/2022 | 03:15:00 - 03:30:00 | 8 | 4 | 7 | 2 | 7 | 3.9 | 314.9 | -17.4 | 73.3 | 1005.9 |
| 01/26/2022 | 03:30:00 - 03:45:00 | 8 | 4 | 7 | 2 | 7 | 4.1 | 317.1 | -17.5 | 73.0 | 1005.9 |
| 01/26/2022 | 03:45:00 - 04:00:00 | 9 | 4 | 7 | 2 | 8 | 3.9 | 315.1 | -17.6 | 73.6 | 1006.0 |
| 01/26/2022 | 04:00:00 - 04:15:00 | 10 | 4 | 8 | 2 | 8 | 3.4 | 316.3 | -17.7 | 74.0 | 1006.0 |
| 01/26/2022 | 04:15:00 - 04:30:00 | 9 | 4 | 7 | 2 | 8 | 3.6 | 299.9 | -17.8 | 74.1 | 1006.1 |
| 01/26/2022 | 04:30:00 - 04:45:00 | 9 | 5 | 7 | 2 | 8 | 3.5 | 295.3 | -17.9 | 75.0 | 1006.1 |
| 01/26/2022 | 04:45:00 - 05:00:00 | 9 | 5 | 7 | 2 | 8 | 3.3 | 297.0 | -18.0 | 75.0 | 1006.2 |
| 01/26/2022 | 05:00:00 - 05:15:00 | 9 | 5 | 7 | 2 | 8 | 3.4 | 297.5 | -18.1 | 75.0 | 1006.4 |
| 01/26/2022 | 05:15:00 - 05:30:00 | 10 | 5 | 8 | 2 | 8 | 3.3 | 299.4 | -18.1 | 74.8 | 1006.6 |
| 01/26/2022 | 05:30:00 - 05:45:00 | 10 | 5 | 8 | 2 | 9 | 3.1 | 299.9 | -18.2 | 74.7 | 1006.7 |
| 01/26/2022 | 05:45:00 - 06:00:00 | 11 | 4 | 8 | 2 | 9 | 2.4 | 307.6 | -18.2 | 75.0 | 1006.8 |
| 01/26/2022 | 06:00:00 - 06:15:00 | 11 | 4 | 8 | 2 | 9 | 2.7 | 314.1 | -18.3 | 75.0 | 1007.0 |
| 01/26/2022 | 06:15:00 - 06:30:00 | 13 | 4 | 9 | 2 | 9 | 2.4 | 303.8 | -18.4 | 75.0 | 1007.1 |
| 01/26/2022 | 06:30:00 - 06:45:00 | 13 | 5 | 10 | 2 | 10 | 3.4 | 305.1 | -18.4 | 74.9 | 1007.1 |
| 01/26/2022 | 06:45:00 - 07:00:00 | 13 | 5 | 9 | 3 | 11 | 2.7 | 302.3 | -18.4 | 75.0 | 1007.1 |
| 01/26/2022 | 07:00:00 - 07:15:00 | 15 | 5 | 11 | 3 | 10 | 2.4 | 305.7 | -18.4 | 74.8 | 1007.1 |
| 01/26/2022 | 07:15:00 - 07:30:00 | 16 | 5 | 12 | 3 | 11 | 3.8 | 318.2 | -18.3 | 73.4 | 1007.1 |
| 01/26/2022 | 07:30:00 - 07:45:00 | 16 | 5 | 12 | 3 | 11 | 2.6 | 290.8 | -18.0 | 72.8 | 1007.0 |
| 01/26/2022 | 07:45:00 - 08:00:00 | 17 | 5 | 13 | 3 | 11 | 2.6 | 316.1 | -17.6 | 70.8 | 1007.0 |
| 01/26/2022 | 08:00:00 - 08:15:00 | 14 | 5 | 10 | 3 | 10 | 1.7 | 305.6 | -17.4 | 69.3 | 1007.1 |
| 01/26/2022 | 08:15:00 - 08:30:00 | 13 | 5 | 10 | 3 | 11 | 1.8 | 317.9 | -17.3 | 68.6 | 1007.1 |
| 01/26/2022 | 08:30:00 - 08:45:00 | 14 | 4 | 11 | 3 | 12 | 1.6 | 21.3 | -16.7 | 67.1 | 1007.1 |
| 01/26/2022 | 08:45:00 - 09:00:00 | 13 | 4 | 10 | 3 | 11 | 1.4 | 65.5 | -16.1 | 64.8 | 1007.1 |
| 01/26/2022 | 09:00:00 - 09:15:00 | 15 | 4 | 11 | 3 | 11 | 1.2 | 7.8 | -15.6 | 63.1 | 1007.0 |
| 01/26/2022 | 09:15:00 - 09:30:00 | 12 | 5 | 10 | 3 | 11 | 2.1 | 217.9 | -14.9 | 60.7 | 1006.8 |
| 01/26/2022 | 09:30:00 - 09:45:00 | 12 | 5 | 10 | 3 | 11 | 0.6 | 239.3 | -14.4 | 58.5 | 1006.7 |
| 01/26/2022 | 09:45:00 - 10:00:00 | 11 | 4 | 9 | 2 | 10 | 2.5 | 221.9 | -13.7 | 55.4 | 1006.5 |
| 01/26/2022 | 10:00:00 - 10:15:00 | 10 | 4 | 9 | 2 | 9 | 2.1 | 227.7 | -13.2 | 52.8 | 1006.5 |
| 01/26/2022 | 10:15:00 - 10:30:00 | 13 | 5 | 11 | 3 | 13 | 1.7 | 227.5 | -12.7 | 51.7 | 1006.3 |
| 01/26/2022 | 10:30:00 - 10:45:00 | 20 | 7 | 17 | 5 | 19 | 2.1 | 228.5 | -12.4 | 50.6 | 1006.2 |
| 01/26/2022 | 10:45:00 - 11:00:00 | 19 | 7 | 15 | 4 | 19 | 1.5 | 204.2 | -11.6 | 48.0 | 1006.0 |
| 01/26/2022 | 11:00:00 - 11:15:00 | 14 | 5 | 12 | 3 | 13 | 1.3 | 238.2 | -11.3 | 46.8 | 1005.7 |
| 01/26/2022 | 11:15:00 - 11:30:00 | 11 | 4 | 10 | 2 | 10 | 1.7 | 255.5 | -11.0 | 46.5 | 1005.2 |
| 01/26/2022 | 11:30:00 - 11:45:00 | 9 | 4 | 9 | 2 | 9 | 2.0 | 231.4 | -10.6 | 47.6 | 1004.9 |
| 01/26/2022 | 11:45:00 - 12:00:00 | 9 | 3 | 8 | 2 | 8 | 1.1 | 231.7 | -9.9 | 46.2 | 1004.5 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 01/26/2022 | 12:00:00 - 12:15:00 | 7 | 3 | 7 | 2 | 7 | 2.1 | 221.1 | -9.6 | 44.0 | 1004.1 |
| 01/26/2022 | 12:15:00 - 12:30:00 | 6 | 3 | 7 | 2 | 6 | 2.9 | 169.9 | -9.3 | 43.6 | 1003.7 |
| 01/26/2022 | 12:30:00 - 12:45:00 | 5 | 3 | 6 | 1 | 6 | 3.1 | 206.6 | -8.9 | 42.4 | 1003.5 |
| 01/26/2022 | 12:45:00 - 13:00:00 | 6 | 3 | 6 | 1 | 6 | 2.9 | 224.5 | -8.4 | 42.3 | 1003.2 |
| 01/26/2022 | 13:00:00 - 13:15:00 | 5 | 3 | 6 | 1 | 6 | 2.6 | 208.0 | -8.0 | 41.7 | 1003.0 |
| 01/26/2022 | 13:15:00 - 13:30:00 | 5 | 3 | 6 | 1 | 7 | 2.3 | 231.2 | -7.5 | 40.3 | 1002.8 |
| 01/26/2022 | 13:30:00 - 13:45:00 | 5 | 3 | 6 | 1 | 5 | 3.2 | 228.1 | -7.6 | 40.0 | 1002.6 |
| 01/26/2022 | 13:45:00 - 14:00:00 | 4 | 3 | 5 | 1 | 5 | 3.4 | 213.3 | -7.1 | 39.2 | 1002.4 |
| 01/26/2022 | 14:00:00 - 14:15:00 | 5 | 3 | 5 | 1 | 5 | 2.7 | 196.3 | -6.9 | 38.7 | 1002.0 |
| 01/26/2022 | 14:15:00 - 14:30:00 | 5 | 3 | 6 | 2 | 5 | 3.1 | 186.5 | -6.6 | 37.6 | 1001.9 |
| 01/26/2022 | 14:30:00 - 14:45:00 | 5 | 3 | 6 | 1 | 6 | 3.1 | 229.5 | -6.5 | 38.0 | 1001.9 |
| 01/26/2022 | 14:45:00 - 15:00:00 | 4 | 3 | 5 | 1 | 5 | 4.0 | 225.7 | -6.3 | 37.0 | 1001.9 |
| 01/26/2022 | 15:00:00 - 15:15:00 | 4 | 3 | 5 | 1 | 5 | 3.6 | 191.7 | -6.3 | 36.6 | 1001.7 |
| 01/26/2022 | 15:15:00 - 15:30:00 | 4 | 3 | 5 | 1 | 6 | 3.3 | 202.6 | -6.1 | 36.9 | 1001.5 |
| 01/26/2022 | 15:30:00 - 15:45:00 | 7 | 3 | 7 | 2 | 6 | 2.9 | 202.7 | -6.6 | 38.5 | 1001.5 |
| 01/26/2022 | 15:45:00 - 16:00:00 | 6 | 3 | 6 | 2 | 6 | 3.5 | 188.0 | -6.8 | 38.9 | 1001.4 |
| 01/26/2022 | 16:00:00 - 16:15:00 | 6 | 3 | 7 | 2 | 7 | 4.6 | 206.3 | -7.0 | 39.5 | 1001.2 |
| 01/26/2022 | 16:15:00 - 16:30:00 | 6 | 3 | 6 | 2 | 7 | 4.8 | 203.9 | -7.1 | 40.6 | 1001.1 |
| 01/26/2022 | 16:30:00 - 16:45:00 | 6 | 3 | 7 | 2 | 7 | 4.3 | 203.6 | -7.2 | 41.2 | 1001.1 |
| 01/26/2022 | 16:45:00 - 17:00:00 | 7 | 3 | 7 | 2 | 7 | 4.0 | 196.0 | -7.4 | 42.3 | 1001.0 |
| 01/26/2022 | 17:00:00 - 17:15:00 | 8 | 4 | 8 | 2 | 8 | 4.4 | 202.7 | -7.6 | 43.5 | 1000.9 |
| 01/26/2022 | 17:15:00 - 17:30:00 | 9 | 4 | 8 | 2 | 9 | 4.1 | 208.3 | -7.7 | 44.6 | 1000.9 |
| 01/26/2022 | 17:30:00 - 17:45:00 | 10 | 4 | 9 | 2 | 10 | 3.4 | 200.5 | -7.9 | 45.9 | 1000.9 |
| 01/26/2022 | 17:45:00 - 18:00:00 | 11 | 5 | 10 | 2 | 10 | 4.1 | 200.2 | -7.9 | 46.8 | 1000.8 |
| 01/26/2022 | 18:00:00 - 18:15:00 | 10 | 4 | 9 | 2 | 10 | 3.7 | 196.4 | -8.1 | 47.7 | 1001.1 |
| 01/26/2022 | 18:15:00 - 18:30:00 | 11 | 4 | 9 | 2 | 10 | 3.0 | 195.8 | -8.3 | 48.7 | 1001.0 |
| 01/26/2022 | 18:30:00 - 18:45:00 | 11 | 5 | 10 | 2 | 11 | 2.9 | 189.7 | -8.4 | 49.2 | 1001.0 |
| 01/26/2022 | 18:45:00 - 19:00:00 | 12 | 5 | 11 | 3 | 12 | 3.0 | 189.4 | -8.7 | 50.4 | 1001.0 |
| 01/26/2022 | 19:00:00 - 19:15:00 | 13 | 5 | 11 | 3 | 12 | 3.3 | 194.0 | -8.7 | 51.0 | 1000.9 |
| 01/26/2022 | 19:15:00 - 19:30:00 | 15 | 6 | 12 | 3 | 14 | 3.1 | 201.3 | -8.7 | 51.0 | 1000.7 |
| 01/26/2022 | 19:30:00 - 19:45:00 | 16 | 6 | 14 | 4 | 15 | 3.0 | 191.5 | -8.8 | 51.0 | 1000.5 |
| 01/26/2022 | 19:45:00 - 20:00:00 | 15 | 6 | 12 | 3 | 14 | 3.0 | 190.3 | -9.0 | 52.0 | 1000.3 |
| 01/26/2022 | 20:00:00 - 20:15:00 | 12 | 5 | 10 | 3 | 11 | 3.6 | 190.6 | -9.2 | 52.0 | 1000.2 |
| 01/26/2022 | 20:15:00 - 20:30:00 | 10 | 4 | 9 | 2 | 10 | 3.7 | 191.3 | -9.3 | 52.2 | 1000.0 |
| 01/26/2022 | 20:30:00 - 20:45:00 | 9 | 4 | 9 | 2 | 9 | 3.8 | 188.6 | -9.4 | 53.0 | 999.8 |
| 01/26/2022 | 20:45:00 - 21:00:00 | 9 | 4 | 8 | 2 | 8 | 3.2 | 191.3 | -9.6 | 54.7 | 999.6 |
| 01/26/2022 | 21:00:00 - 21:15:00 | 8 | 4 | 8 | 2 | 8 | 3.4 | 186.0 | -9.7 | 56.0 | 999.4 |
| 01/26/2022 | 21:15:00 - 21:30:00 | 8 | 4 | 8 | 2 | 8 | 3.0 | 177.3 | -9.9 | 57.2 | 999.3 |
| 01/26/2022 | 21:30:00 - 21:45:00 | 8 | 4 | 7 | 2 | 7 | 3.3 | 179.3 | -10.1 | 58.0 | 999.3 |
| 01/26/2022 | 21:45:00 - 22:00:00 | 8 | 4 | 7 | 2 | 7 | 3.5 | 186.9 | -10.2 | 58.5 | 999.3 |
| 01/26/2022 | 22:00:00 - 22:15:00 | 8 | 4 | 8 | 2 | 8 | 3.3 | 177.3 | -10.1 | 59.0 | 999.1 |
| 01/26/2022 | 22:15:00 - 22:30:00 | 9 | 4 | 8 | 2 | 8 | 3.3 | 176.8 | -9.9 | 59.0 | 999.0 |
| 01/26/2022 | 22:30:00 - 22:45:00 | 10 | 4 | 9 | 2 | 9 | 4.3 | 190.9 | -9.7 | 58.7 | 998.9 |
| 01/26/2022 | 22:45:00 - 23:00:00 | 10 | 4 | 9 | 2 | 10 | 4.2 | 201.9 | -9.4 | 58.0 | 998.7 |
| 01/26/2022 | 23:00:00 - 23:15:00 | 11 | 4 | 9 | 2 | 10 | 3.5 | 190.5 | -9.4 | 58.8 | 998.5 |
| 01/26/2022 | 23:15:00 - 23:30:00 | 10 | 4 | 9 | 2 | 9 | 2.8 | 185.0 | -9.7 | 60.6 | 998.3 |
| 01/26/2022 | 23:30:00 - 23:45:00 | 10 | 4 | 9 | 2 | 9 | 2.9 | 177.2 | -10.0 | 62.5 | 998.2 |
| 01/27/2022 | 23:45:00 - 00:00:00 | 10 | 4 | 9 | 2 | 9 | 3.0 | 178.4 | -10.2 | 63.7 | 998.0 |
| 01/27/2022 | 00:00:00 - 00:15:00 | 10 | 4 | 9 | 2 | 9 | 2.9 | 174.3 | -10.3 | 64.8 | 997.8 |
| 01/27/2022 | 00:15:00 - 00:30:00 | 10 | 4 | 9 | 2 | 10 | 3.0 | 175.6 | -10.4 | 65.8 | 997.7 |
| 01/27/2022 | 00:30:00 - 00:45:00 | 11 | 4 | 9 | 2 | 10 | 3.6 | 183.8 | -10.1 | 65.3 | 997.6 |
| 01/27/2022 | 00:45:00 - 01:00:00 | 11 | 4 | 10 | 3 | 10 | 3.9 | 189.2 | -9.8 | 65.0 | 997.4 |
| 01/27/2022 | 01:00:00 - 01:15:00 | 11 | 5 | 10 | 3 | 10 | 3.1 | 182.3 | -9.9 | 65.8 | 997.2 |
| 01/27/2022 | 01:15:00 - 01:30:00 | 12 | 5 | 10 | 3 | 11 | 3.3 | 183.4 | -9.8 | 66.0 | 997.0 |
| 01/27/2022 | 01:30:00 - 01:45:00 | 11 | 5 | 10 | 3 | 11 | 3.5 | 187.0 | -9.3 | 65.8 | 996.8 |
| 01/27/2022 | 01:45:00 - 02:00:00 | 11 | 5 | 10 | 2 | 10 | 5.3 | 196.1 | -8.5 | 62.6 | 996.6 |
| 01/27/2022 | 02:00:00 - 02:15:00 | 10 | 4 | 9 | 2 | 10 | 6.0 | 200.5 | -8.1 | 60.3 | 996.2 |
| 01/27/2022 | 02:15:00 - 02:30:00 | 10 | 4 | 9 | 2 | 9 | 5.0 | 200.7 | -7.9 | 60.0 | 996.2 |
| 01/27/2022 | 02:30:00 - 02:45:00 | 10 | 4 | 9 | 2 | 9 | 6.0 | 195.5 | -7.6 | 59.8 | 996.1 |
| 01/27/2022 | 02:45:00 - 03:00:00 | 9 | 4 | 9 | 2 | 9 | 5.3 | 198.9 | -7.2 | 58.4 | 996.0 |
| 01/27/2022 | 03:00:00 - 03:15:00 | 9 | 4 | 8 | 2 | 9 | 6.4 | 199.9 | -6.9 | 57.2 | 995.8 |
| 01/27/2022 | 03:15:00 - 03:30:00 | 9 | 4 | 8 | 2 | 8 | 6.2 | 199.7 | -6.5 | 56.1 | 995.7 |
| 01/27/2022 | 03:30:00 - 03:45:00 | 8 | 4 | 8 | 2 | 8 | 6.0 | 202.0 | -6.2 | 54.8 | 995.6 |
| 01/27/2022 | 03:45:00 - 04:00:00 | 8 | 4 | 7 | 2 | 8 | 6.5 | 202.6 | -6.0 | 54.0 | 995.4 |
| 01/27/2022 | 04:00:00 - 04:15:00 | 8 | 4 | 7 | 2 | 8 | 6.6 | 203.4 | -5.8 | 53.3 | 995.4 |
| 01/27/2022 | 04:15:00 - 04:30:00 | 7 | 4 | 7 | 2 | 8 | 6.2 | 201.6 | -5.6 | 56.4 | 995.4 |
| 01/27/2022 | 04:30:00 - 04:45:00 | 7 | 4 | 7 | 2 | 8 | 6.5 | 200.3 | -5.5 | 59.8 | 995.3 |
| 01/27/2022 | 04:45:00 - 05:00:00 | 8 | 4 | 8 | 2 | 8 | 4.5 | 202.4 | -5.3 | 56.4 | 995.2 |
| 01/27/2022 | 05:00:00 - 05:15:00 | 8 | 4 | 8 | 2 | 8 | 4.5 | 199.4 | -5.1 | 53.9 | 995.2 |
| 01/27/2022 | 05:15:00 - 05:30:00 | 8 | 4 | 8 | 2 | 8 | 5.6 | 199.4 | -5.1 | 53.8 | 995.0 |
| 01/27/2022 | 05:30:00 - 05:45:00 | 7 | 4 | 7 | 2 | 8 | 6.2 | 193.2 | -5.0 | 53.7 | 994.8 |
| 01/27/2022 | 05:45:00 - 06:00:00 | 7 | 4 | 7 | 2 | 8 | 5.9 | 193.7 | -5.0 | 55.8 | 994.9 |
| 01/27/2022 | 06:00:00 - 06:15:00 | 7 | 4 | 8 | 2 | 8 | 6.7 | 206.7 | -4.9 | 62.7 | 995.0 |
| 01/27/2022 | 06:15:00 - 06:30:00 | 8 | 4 | 8 | 2 | 8 | 6.4 | 208.0 | -4.9 | 68.0 | 995.0 |
| 01/27/2022 | 06:30:00 - 06:45:00 | 8 | 4 | 8 | 2 | 9 | 5.0 | 204.7 | -5.2 | 76.3 | 995.0 |
| 01/27/2022 | 06:45:00 - 07:00:00 | 9 | 4 | 8 | 2 | 9 | 6.6 | 207.3 | -5.2 | 84.4 | 995.0 |
| 01/27/2022 | 07:00:00 - 07:15:00 | 9 | 4 | 9 | 2 | 9 | 5.7 | 207.8 | -5.0 | 88.7 | 995.0 |
| 01/27/2022 | 07:15:00 - 07:30:00 | 10 | 5 | 9 | 2 | 10 | 5.6 | 205.0 | -5.1 | 90.3 | 994.9 |
| 01/27/2022 | 07:30:00 - 07:45:00 | 10 | 5 | 9 | 2 | 10 | 7.3 | 208.4 | -5.1 | 91.0 | 995.0 |
| 01/27/2022 | 07:45:00 - 08:00:00 | 12 | 5 | 10 | 2 | 11 | 5.8 | 199.7 | -5.1 | 91.6 | 995.1 |
| 01/27/2022 | 08:00:00 - 08:15:00 | 11 | 5 | 10 | 3 | 11 | 5.8 | 206.9 | -5.0 | 92.0 | 995.1 |
| 01/27/2022 | 08:15:00 - 08:30:00 | 11 | 5 | 10 | 3 | 10 | 5.8 | 206.6 | -4.8 | 92.2 | 995.2 |
| 01/27/2022 | 08:30:00 - 08:45:00 | 11 | 5 | 10 | 3 | 10 | 5.8 | 211.3 | -4.5 | 93.0 | 995.2 |
| 01/27/2022 | 08:45:00 - 09:00:00 | 11 | 5 | 9 | 3 | 10 | 5.3 | 210.4 | -4.0 | 92.7 | 995.2 |
| 01/27/2022 | 09:00:00 - 09:15:00 | 10 | 5 | 9 | 2 | 10 | 6.2 | 214.0 | -3.6 | 92.0 | 995.2 |
| 01/27/2022 | 09:15:00 - 09:30:00 | 11 | 5 | 10 | 3 | 11 | 6.0 | 213.4 | -3.3 | 91.5 | 995.1 |
| 01/27/2022 | 09:30:00 - 09:45:00 | 11 | 5 | 10 | 3 | 11 | 5.3 | 216.7 | -3.2 | 91.0 | 995.1 |
| 01/27/2022 | 09:45:00 - 10:00:00 | 11 | 5 | 10 | 3 | 11 | 6.0 | 209.1 | -3.0 | 91.0 | 995.1 |
| 01/27/2022 | 10:00:00 - 10:15:00 | 12 | 5 | 11 | 3 | 12 | 5.6 | 219.9 | -2.6 | 90.2 | 995.2 |
| 01/27/2022 | 10:15:00 - 10:30:00 | 12 | 6 | 11 | 3 | 12 | 4.3 | 236.1 | -2.5 | 89.8 | 995.3 |
| 01/27/2022 | 10:30:00 - 10:45:00 | 13 | 6 | 12 | 3 | 13 | 4.8 | 228.0 | -2.5 | 89.2 | 995.3 |
| 01/27/2022 | 10:45:00 - 11:00:00 | 14 | 6 | 12 | 3 | 14 | 6.1 | 209.5 | -2.5 | 89.2 | 995.2 |
| 01/27/2022 | 11:00:00 - 11:15:00 | 14 | 7 | 12 | 3 | 14 | 5.0 | 230.1 | -2.3 | 89.0 | 995.0 |
| 01/27/2022 | 11:15:00 - 11:30:00 | 15 | 7 | 13 | 4 | 15 | 5.2 | 237.1 | -1.9 | 88.2 | 994.7 |
| 01/27/2022 | 11:30:00 - 11:45:00 | 16 | 7 | 13 | 4 | 16 | 5.8 | 234.3 | -1.7 | 87.3 | 994.5 |
| 01/27/2022 | 11:45:00 - 12:00:00 | 16 | 7 | 13 | 4 | 15 | 4.4 | 244.5 | -1.4 | 87.2 | 994.3 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 01/27/2022 | 12:00:00 - 12:15:00 | 16 | 7 | 13 | 4 | 15 | 4.9 | 253.2 | -1.0 | 86.1 | 994.2 |
| 01/27/2022 | 12:15:00 - 12:30:00 | 16 | 7 | 14 | 4 | 15 | 4.3 | 254.3 | -0.9 | 86.0 | 994.1 |
| 01/27/2022 | 12:30:00 - 12:45:00 | 17 | 7 | 14 | 4 | 16 | 3.8 | 262.3 | -0.8 | 86.0 | 994.0 |
| 01/27/2022 | 12:45:00 - 13:00:00 | 17 | 7 | 14 | 4 | 16 | 4.4 | 268.4 | -0.6 | 84.4 | 993.9 |
| 01/27/2022 | 13:00:00 - 13:15:00 | 17 | 7 | 14 | 4 | 16 | 3.2 | 248.3 | -0.2 | 83.8 | 993.7 |
| 01/27/2022 | 13:15:00 - 13:30:00 | 17 | 7 | 14 | 4 | 16 | 3.9 | 261.9 | -0.2 | 84.4 | 993.6 |
| 01/27/2022 | 13:30:00 - 13:45:00 | 18 | 7 | 15 | 4 | 16 | 3.4 | 247.1 | -0.1 | 83.8 | 993.5 |
| 01/27/2022 | 13:45:00 - 14:00:00 | 18 | 7 | 15 | 4 | 17 | 3.0 | 249.9 | 0.2 | 83.7 | 993.4 |
| 01/27/2022 | 14:00:00 - 14:15:00 | 17 | 8 | 14 | 4 | 16 | 3.3 | 248.8 | 0.6 | 82.7 | 993.4 |
| 01/27/2022 | 14:15:00 - 14:30:00 | 17 | 7 | 14 | 4 | 16 | 3.4 | 243.2 | 1.1 | 81.3 | 993.4 |
| 01/27/2022 | 14:30:00 - 14:45:00 | 17 | 7 | 14 | 4 | 15 | 4.2 | 253.7 | 1.0 | 81.0 | 993.5 |
| 01/27/2022 | 14:45:00 - 15:00:00 | 16 | 7 | 13 | 4 | 15 | 4.3 | 246.5 | 1.2 | 80.8 | 993.6 |
| 01/27/2022 | 15:00:00 - 15:15:00 | 15 | 6 | 12 | 3 | 14 | 5.5 | 266.9 | 1.6 | 78.6 | 993.7 |
| 01/27/2022 | 15:15:00 - 15:30:00 | 15 | 6 | 12 | 3 | 14 | 5.6 | 267.0 | 1.6 | 77.4 | 993.9 |
| 01/27/2022 | 15:30:00 - 15:45:00 | 16 | 6 | 13 | 3 | 14 | 4.8 | 261.5 | 1.8 | 77.0 | 994.0 |
| 01/27/2022 | 15:45:00 - 16:00:00 | 15 | 6 | 12 | 3 | 14 | 3.0 | 270.0 | 1.8 | 77.0 | 994.0 |
| 01/27/2022 | 16:00:00 - 16:15:00 | 15 | 6 | 12 | 3 | 14 | 3.6 | 277.8 | 1.9 | 76.2 | 994.2 |
| 01/27/2022 | 16:15:00 - 16:30:00 | 15 | 6 | 12 | 4 | 14 | 4.4 | 277.0 | 1.9 | 75.0 | 994.2 |
| 01/27/2022 | 16:30:00 - 16:45:00 | 16 | 6 | 13 | 4 | 15 | 4.7 | 280.8 | 2.0 | 74.2 | 994.4 |
| 01/27/2022 | 16:45:00 - 17:00:00 | 16 | 6 | 13 | 4 | 15 | 4.3 | 283.7 | 2.0 | 73.7 | 994.5 |
| 01/27/2022 | 17:00:00 - 17:15:00 | 15 | 6 | 13 | 3 | 15 | 3.2 | 284.4 | 1.9 | 73.1 | 994.6 |
| 01/27/2022 | 17:15:00 - 17:30:00 | 16 | 6 | 13 | 4 | 15 | 2.8 | 282.9 | 1.9 | 73.1 | 994.7 |
| 01/27/2022 | 17:30:00 - 17:45:00 | 15 | 6 | 13 | 4 | 15 | 3.1 | 280.1 | 1.7 | 73.4 | 994.8 |
| 01/27/2022 | 17:45:00 - 18:00:00 | 16 | 6 | 13 | 4 | 15 | 3.3 | 272.7 | 1.6 | 74.0 | 995.0 |
| 01/27/2022 | 18:00:00 - 18:15:00 | 15 | 6 | 13 | 4 | 15 | 3.4 | 279.6 | 1.6 | 73.0 | 995.3 |
| 01/27/2022 | 18:15:00 - 18:30:00 | 14 | 6 | 12 | 4 | 14 | 3.0 | 304.4 | 1.5 | 72.9 | 995.3 |
| 01/27/2022 | 18:30:00 - 18:45:00 | 12 | 6 | 11 | 3 | 12 | 3.5 | 306.0 | 1.4 | 72.0 | 995.4 |
| 01/27/2022 | 18:45:00 - 19:00:00 | 11 | 5 | 10 | 3 | 12 | 3.3 | 304.7 | 1.2 | 71.7 | 995.4 |
| 01/27/2022 | 19:00:00 - 19:15:00 | 11 | 5 | 10 | 3 | 11 | 3.4 | 296.0 | 1.1 | 71.3 | 995.5 |
| 01/27/2022 | 19:15:00 - 19:30:00 | 12 | 5 | 10 | 3 | 12 | 3.3 | 307.6 | 1.0 | 71.2 | 995.6 |
| 01/27/2022 | 19:30:00 - 19:45:00 | 11 | 5 | 10 | 3 | 11 | 4.1 | 322.0 | 0.9 | 71.2 | 995.8 |
| 01/27/2022 | 19:45:00 - 20:00:00 | 11 | 5 | 10 | 3 | 11 | 5.2 | 329.2 | 0.7 | 72.0 | 995.9 |
| 01/27/2022 | 20:00:00 - 20:15:00 | 9 | 4 | 8 | 2 | 9 | 5.7 | 327.9 | 0.3 | 74.3 | 995.8 |
| 01/27/2022 | 20:15:00 - 20:30:00 | 9 | 4 | 8 | 2 | 9 | 4.5 | 309.1 | 0.0 | 78.0 | 995.8 |
| 01/27/2022 | 20:30:00 - 20:45:00 | 9 | 4 | 8 | 2 | 10 | 4.3 | 314.7 | 0.0 | 77.3 | 995.8 |
| 01/27/2022 | 20:45:00 - 21:00:00 | 9 | 4 | 8 | 2 | 10 | 3.1 | 313.4 | -0.1 | 77.0 | 995.8 |
| 01/27/2022 | 21:00:00 - 21:15:00 | 9 | 4 | 8 | 2 | 10 | 3.1 | 315.3 | -0.2 | 77.2 | 995.8 |
| 01/27/2022 | 21:15:00 - 21:30:00 | 9 | 4 | 8 | 2 | 10 | 3.2 | 311.1 | -0.2 | 77.0 | 995.7 |
| 01/27/2022 | 21:30:00 - 21:45:00 | 10 | 5 | 8 | 3 | 10 | 2.8 | 310.4 | -0.3 | 77.2 | 995.7 |
| 01/27/2022 | 21:45:00 - 22:00:00 | 9 | 5 | 8 | 2 | 10 | 2.7 | 312.0 | -0.3 | 77.0 | 995.7 |
| 01/27/2022 | 22:00:00 - 22:15:00 | 10 | 4 | 8 | 2 | 10 | 2.9 | 318.5 | -0.4 | 78.0 | 995.8 |
| 01/27/2022 | 22:15:00 - 22:30:00 | 10 | 5 | 9 | 2 | 10 | 3.2 | 315.4 | -0.4 | 78.0 | 995.9 |
| 01/27/2022 | 22:30:00 - 22:45:00 | 10 | 6 | 9 | 3 | 10 | 2.5 | 306.6 | -0.5 | 78.0 | 996.0 |
| 01/27/2022 | 22:45:00 - 23:00:00 | 10 | 6 | 9 | 3 | 10 | 2.2 | 304.3 | -0.6 | 78.5 | 996.0 |
| 01/27/2022 | 23:00:00 - 23:15:00 | 10 | 6 | 9 | 3 | 10 | 2.6 | 313.5 | -0.6 | 79.0 | 996.0 |
| 01/27/2022 | 23:15:00 - 23:30:00 | 10 | 6 | 9 | 3 | 10 | 2.0 | 297.0 | -0.6 | 79.0 | 996.0 |
| 01/27/2022 | 23:30:00 - 23:45:00 | 11 | 5 | 10 | 3 | 11 | 2.0 | 288.3 | -0.6 | 79.3 | 996.0 |
| 01/28/2022 | 23:45:00 - 00:00:00 | 11 | 7 | 10 | 3 | 12 | 2.3 | 292.6 | -0.6 | 79.0 | 995.9 |
| 01/28/2022 | 00:00:00 - 00:15:00 | 12 | 6 | 10 | 3 | 12 | 2.9 | 285.8 | -0.6 | 79.0 | 995.7 |
| 01/28/2022 | 00:15:00 - 00:30:00 | 11 | 7 | 10 | 3 | 12 | 2.7 | 305.5 | -0.7 | 79.0 | 995.6 |
| 01/28/2022 | 00:30:00 - 00:45:00 | 11 | 7 | 9 | 3 | 11 | 2.7 | 304.0 | -0.7 | 79.3 | 995.5 |
| 01/28/2022 | 00:45:00 - 01:00:00 | 11 | 7 | 9 | 3 | 11 | 3.1 | 302.3 | -0.7 | 80.0 | 995.4 |
| 01/28/2022 | 01:00:00 - 01:15:00 | 11 | 7 | 9 | 3 | 11 | 3.2 | 304.6 | -0.8 | 80.2 | 995.3 |
| 01/28/2022 | 01:15:00 - 01:30:00 | 10 | 9 | 9 | 3 | 11 | 2.8 | 306.0 | -0.9 | 81.0 | 995.3 |
| 01/28/2022 | 01:30:00 - 01:45:00 | 10 | 8 | 9 | 3 | 10 | 3.4 | 299.4 | -1.0 | 82.0 | 995.3 |
| 01/28/2022 | 01:45:00 - 02:00:00 | 10 | 8 | 9 | 2 | 10 | 2.9 | 296.4 | -1.2 | 82.5 | 995.3 |
| 01/28/2022 | 02:00:00 - 02:15:00 | 9 | 7 | 8 | 2 | 10 | 3.2 | 295.6 | -1.3 | 83.0 | 995.3 |
| 01/28/2022 | 02:15:00 - 02:30:00 | 8 | 5 | 7 | 2 | 9 | 4.5 | 302.4 | -1.3 | 83.8 | 995.2 |
| 01/28/2022 | 02:30:00 - 02:45:00 | 7 | 4 | 7 | 2 | 8 | 3.8 | 311.9 | -1.3 | 84.0 | 995.2 |
| 01/28/2022 | 02:45:00 - 03:00:00 | 7 | 4 | 7 | 2 | 7 | 2.9 | 302.2 | -1.3 | 84.8 | 995.0 |
| 01/28/2022 | 03:00:00 - 03:15:00 | 7 | 3 | 7 | 2 | 7 | 3.0 | 310.1 | -1.4 | 85.0 | 994.9 |
| 01/28/2022 | 03:15:00 - 03:30:00 | 6 | 3 | 6 | 2 | 7 | 3.0 | 310.5 | -1.4 | 85.6 | 994.9 |
| 01/28/2022 | 03:30:00 - 03:45:00 | 6 | 3 | 6 | 2 | 7 | 2.7 | 306.2 | -1.5 | 86.0 | 994.8 |
| 01/28/2022 | 03:45:00 - 04:00:00 | 7 | 3 | 7 | 2 | 7 | 3.8 | 320.8 | -1.6 | 86.7 | 994.8 |
| 01/28/2022 | 04:00:00 - 04:15:00 | 10 | 4 | 9 | 2 | 9 | 2.6 | 331.3 | -1.7 | 87.4 | 994.7 |
| 01/28/2022 | 04:15:00 - 04:30:00 | 16 | 6 | 13 | 3 | 15 | 2.2 | 352.0 | -1.8 | 88.0 | 994.7 |
| 01/28/2022 | 04:30:00 - 04:45:00 | 21 | 8 | 17 | 6 | 21 | 2.6 | 21.7 | -2.1 | 88.9 | 994.9 |
| 01/28/2022 | 04:45:00 - 05:00:00 | 23 | 8 | 19 | 6 | 23 | 2.8 | 20.2 | -2.2 | 89.0 | 995.0 |
| 01/28/2022 | 05:00:00 - 05:15:00 | 18 | 7 | 15 | 4 | 18 | 2.6 | 17.9 | -2.5 | 88.4 | 995.2 |
| 01/28/2022 | 05:15:00 - 05:30:00 | 17 | 7 | 14 | 4 | 18 | 3.2 | 13.1 | -2.6 | 88.4 | 995.2 |
| 01/28/2022 | 05:30:00 - 05:45:00 | 20 | 7 | 16 | 5 | 18 | 4.2 | 351.9 | -2.8 | 88.5 | 995.3 |
| 01/28/2022 | 05:45:00 - 06:00:00 | 18 | 6 | 14 | Offline | 16 | 4.1 | 350.0 | -3.2 | 88.2 | 995.4 |
| 01/28/2022 | 06:00:00 - 06:15:00 | 16 | 6 | 13 | Offline | 16 | 4.9 | 7.3 | -3.5 | 88.0 | 995.4 |
| 01/28/2022 | 06:15:00 - 06:30:00 | 19 | 6 | 14 | Offline | 16 | 3.9 | 6.2 | -3.7 | 89.0 | 995.5 |
| 01/28/2022 | 06:30:00 - 06:45:00 | 17 | 6 | 14 | Offline | 16 | 3.9 | 9.7 | -3.7 | 89.0 | 995.7 |
| 01/28/2022 | 06:45:00 - 07:00:00 | 16 | 6 | 13 | Offline | 14 | 4.4 | 342.5 | -3.9 | 89.5 | 995.8 |
| 01/28/2022 | 07:00:00 - 07:15:00 | 14 | 5 | 11 | Offline | 13 | 4.4 | 355.5 | -4.4 | 88.7 | 995.9 |
| 01/28/2022 | 07:15:00 - 07:30:00 | 13 | 5 | 11 | Offline | 12 | 3.9 | 353.6 | -4.8 | 89.0 | 996.1 |
| 01/28/2022 | 07:30:00 - 07:45:00 | 13 | 4 | 11 | Offline | 12 | 4.7 | 359.6 | -5.1 | 89.2 | 996.1 |
| 01/28/2022 | 07:45:00 - 08:00:00 | 12 | 4 | 11 | Offline | 10 | 4.2 | 353.4 | -5.1 | 89.6 | 996.2 |
| 01/28/2022 | 08:00:00 - 08:15:00 | 11 | 4 | 10 | Offline | 10 | 4.4 | 357.7 | -5.1 | 89.8 | 996.3 |
| 01/28/2022 | 08:15:00 - 08:30:00 | 10 | 4 | 9 | 3 | 9 | 5.4 | 350.8 | -5.4 | 90.9 | 996.5 |
| 01/28/2022 | 08:30:00 - 08:45:00 | 10 | 3 | 9 | 2 | 9 | 3.9 | 358.5 | -5.6 | 91.5 | 996.6 |
| 01/28/2022 | 08:45:00 - 09:00:00 | 8 | 3 | 8 | 2 | 9 | 3.9 | 10.4 | -5.9 | 92.5 | 996.7 |
| 01/28/2022 | 09:00:00 - 09:15:00 | 7 | 3 | 7 | 2 | 10 | 4.0 | 15.9 | -5.9 | 93.0 | 996.8 |
| 01/28/2022 | 09:15:00 - 09:30:00 | 8 | 3 | 7 | 2 | 8 | 3.2 | 357.5 | -5.6 | 92.9 | 996.9 |
| 01/28/2022 | 09:30:00 - 09:45:00 | 7 | 3 | 7 | 2 | 9 | 4.2 | 42.6 | -5.3 | 93.5 | 997.0 |
| 01/28/2022 | 09:45:00 - 10:00:00 | 5 | 3 | 5 | 1 | 9 | 5.0 | 54.6 | -4.8 | 91.7 | 997.2 |
| 01/28/2022 | 10:00:00 - 10:15:00 | 5 | 3 | 6 | 2 | 7 | 5.8 | 65.7 | -4.9 | 90.9 | 997.4 |
| 01/28/2022 | 10:15:00 - 10:30:00 | 5 | 3 | 6 | 2 | 6 | 6.3 | 61.2 | -5.0 | 89.7 | 997.5 |
| 01/28/2022 | 10:30:00 - 10:45:00 | 5 | 3 | 5 | 2 | 6 | 6.9 | 67.8 | -4.9 | 88.1 | 997.6 |
| 01/28/2022 | 10:45:00 - 11:00:00 | 5 | 3 | 5 | 2 | 8 | 7.0 | 71.7 | -4.9 | 88.4 | 997.6 |
| 01/28/2022 | 11:00:00 - 11:15:00 | 5 | 3 | 5 | 3 | 7 | 5.0 | 62.0 | -4.9 | 87.7 | 997.7 |
| 01/28/2022 | 11:15:00 - 11:30:00 | 6 | 3 | 6 | 4 | 8 | 4.0 | 48.7 | -5.2 | 89.7 | 997.8 |
| 01/28/2022 | 11:30:00 - 11:45:00 | 4 | 2 | 5 | 2 | 7 | 5.2 | 44.7 | -5.3 | 88.8 | 997.8 |
| 01/28/2022 | 11:45:00 - 12:00:00 | 4 | 2 | 5 | 1 | 6 | 4.3 | 43.4 | -5.0 | 85.8 | 997.7 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 01/28/2022 | 12:00:00 - 12:15:00 | 4 | 3 | 5 | 1 | 6 | 5.2 | 52.4 | -5.1 | 85.9 | 997.7 |
| 01/28/2022 | 12:15:00 - 12:30:00 | 4 | 3 | 5 | 1 | 6 | 3.8 | 43.2 | -5.1 | 87.5 | 997.8 |
| 01/28/2022 | 12:30:00 - 12:45:00 | 4 | 2 | 5 | 1 | 5 | 4.1 | 23.1 | -5.3 | 86.1 | 997.8 |
| 01/28/2022 | 12:45:00 - 13:00:00 | 4 | 2 | 5 | 1 | 5 | 4.2 | 41.5 | -5.1 | 80.6 | 997.8 |
| 01/28/2022 | 13:00:00 - 13:15:00 | 5 | 3 | 6 | 1 | 7 | 2.9 | 356.3 | -5.1 | 82.4 | 997.8 |
| 01/28/2022 | 13:15:00 - 13:30:00 | 7 | 3 | 7 | 2 | 7 | 3.2 | 351.4 | -5.1 | 85.5 | 997.7 |
| 01/28/2022 | 13:30:00 - 13:45:00 | 5 | 3 | 6 | 1 | 6 | 3.8 | 6.9 | -4.8 | 79.3 | 997.7 |
| 01/28/2022 | 13:45:00 - 14:00:00 | 7 | 3 | 7 | 1 | 7 | 5.1 | 359.0 | -4.3 | 75.4 | 997.7 |
| 01/28/2022 | 14:00:00 - 14:15:00 | 5 | 3 | 6 | 1 | 6 | 4.1 | 355.9 | -4.0 | 73.5 | 997.8 |
| 01/28/2022 | 14:15:00 - 14:30:00 | 7 | 2 | 7 | 1 | 6 | 4.7 | 358.6 | -4.1 | 70.3 | 997.9 |
| 01/28/2022 | 14:30:00 - 14:45:00 | 9 | 3 | 8 | 2 | 7 | 5.6 | 332.2 | -4.3 | 77.8 | 998.1 |
| 01/28/2022 | 14:45:00 - 15:00:00 | 9 | 3 | 8 | 2 | 7 | 5.1 | 338.9 | -4.4 | 78.5 | 998.3 |
| 01/28/2022 | 15:00:00 - 15:15:00 | 8 | 3 | 8 | 2 | 7 | 5.2 | 335.8 | -4.5 | 76.9 | 998.5 |
| 01/28/2022 | 15:15:00 - 15:30:00 | 9 | 3 | 9 | 2 | 7 | 5.4 | 326.7 | -5.1 | 79.2 | 998.7 |
| 01/28/2022 | 15:30:00 - 15:45:00 | 11 | 3 | 10 | 2 | 8 | 4.9 | 337.8 | -5.3 | 79.6 | 998.9 |
| 01/28/2022 | 15:45:00 - 16:00:00 | 10 | 4 | 10 | 2 | 10 | 4.5 | 330.5 | -5.5 | 80.6 | 999.0 |
| 01/28/2022 | 16:00:00 - 16:15:00 | 10 | 4 | 9 | 2 | 8 | 5.3 | 321.4 | -5.9 | 81.3 | 999.1 |
| 01/28/2022 | 16:15:00 - 16:30:00 | 11 | 4 | 10 | 2 | 9 | 4.6 | 322.4 | -6.0 | 82.1 | 999.2 |
| 01/28/2022 | 16:30:00 - 16:45:00 | 9 | 4 | 9 | 2 | 8 | 4.5 | 323.0 | -6.4 | 82.8 | 999.4 |
| 01/28/2022 | 16:45:00 - 17:00:00 | 9 | 4 | 8 | 2 | 8 | 4.4 | 317.9 | -7.0 | 83.0 | 999.6 |
| 01/28/2022 | 17:00:00 - 17:15:00 | 8 | 4 | 8 | 2 | 8 | 4.1 | 321.0 | -7.4 | 83.0 | 999.7 |
| 01/28/2022 | 17:15:00 - 17:30:00 | 8 | 4 | 8 | 2 | 8 | 4.2 | 326.3 | -7.6 | 83.0 | 999.8 |
| 01/28/2022 | 17:30:00 - 17:45:00 | 8 | 4 | 8 | 2 | 8 | 2.7 | 319.9 | -8.0 | 83.0 | 999.9 |
| 01/28/2022 | 17:45:00 - 18:00:00 | 8 | 4 | 8 | 2 | 8 | 3.0 | 314.5 | -8.4 | 83.0 | 1000.1 |
| 01/28/2022 | 18:00:00 - 18:15:00 | 8 | 4 | 8 | 2 | 8 | 2.8 | 308.8 | -8.8 | 83.0 | 1000.4 |
| 01/28/2022 | 18:15:00 - 18:30:00 | 8 | 4 | 8 | 2 | 8 | 2.4 | 285.0 | -9.1 | 83.3 | 1000.5 |
| 01/28/2022 | 18:30:00 - 18:45:00 | 8 | 4 | 8 | 2 | 8 | 2.8 | 288.0 | -9.4 | 83.0 | 1000.6 |
| 01/28/2022 | 18:45:00 - 19:00:00 | 8 | 4 | 7 | 2 | 8 | 3.3 | 281.2 | -9.6 | 82.1 | 1000.8 |
| 01/28/2022 | 19:00:00 - 19:15:00 | 7 | 4 | 7 | 2 | 7 | 2.8 | 293.6 | -9.9 | 80.3 | 1000.8 |
| 01/28/2022 | 19:15:00 - 19:30:00 | 7 | 3 | 7 | 2 | 7 | 2.8 | 287.3 | -10.0 | 77.9 | 1000.9 |
| 01/28/2022 | 19:30:00 - 19:45:00 | 7 | 3 | 7 | 2 | 6 | 2.3 | 288.8 | -10.2 | 77.0 | 1000.9 |
| 01/28/2022 | 19:45:00 - 20:00:00 | 7 | 3 | 7 | 2 | 7 | 2.7 | 302.7 | -10.3 | 76.0 | 1001.0 |
| 01/28/2022 | 20:00:00 - 20:15:00 | 8 | 4 | 7 | 2 | 7 | 2.3 | 290.4 | -10.5 | 76.0 | 1001.1 |
| 01/28/2022 | 20:15:00 - 20:30:00 | 8 | 4 | 7 | 2 | 7 | 2.6 | 295.2 | -10.7 | 76.0 | 1001.1 |
| 01/28/2022 | 20:30:00 - 20:45:00 | 7 | 3 | 7 | 2 | 7 | 2.6 | 295.0 | -10.8 | 75.5 | 1001.1 |
| 01/28/2022 | 20:45:00 - 21:00:00 | 7 | 4 | 7 | 2 | 7 | 2.4 | 288.4 | -10.9 | 75.0 | 1001.2 |
| 01/28/2022 | 21:00:00 - 21:15:00 | 8 | 4 | 7 | 2 | 7 | 2.4 | 291.5 | -11.1 | 75.0 | 1001.3 |
| 01/28/2022 | 21:15:00 - 21:30:00 | 8 | 4 | 7 | 2 | 8 | 2.0 | 294.4 | -11.3 | 75.8 | 1001.3 |
| 01/28/2022 | 21:30:00 - 21:45:00 | 8 | 4 | 7 | 2 | 7 | 1.6 | 293.9 | -11.4 | 75.9 | 1001.4 |
| 01/28/2022 | 21:45:00 - 22:00:00 | 9 | 4 | 8 | 2 | 9 | 1.0 | 267.7 | -11.6 | 76.0 | 1001.3 |
| 01/28/2022 | 22:00:00 - 22:15:00 | 9 | 5 | 7 | 2 | 8 | 1.3 | 271.5 | -11.9 | 76.0 | 1001.1 |
| 01/28/2022 | 22:15:00 - 22:30:00 | 8 | 6 | 7 | 2 | 7 | 1.7 | 250.8 | -12.1 | 76.9 | 1001.0 |
| 01/28/2022 | 22:30:00 - 22:45:00 | 8 | 5 | 7 | 2 | 7 | 1.4 | 241.5 | -12.3 | 77.0 | 1000.9 |
| 01/28/2022 | 22:45:00 - 23:00:00 | 8 | 4 | 7 | 2 | 7 | 1.0 | 232.8 | -12.3 | 77.3 | 1000.7 |
| 01/28/2022 | 23:00:00 - 23:15:00 | 9 | 4 | 7 | 2 | 8 | 1.5 | 219.3 | -12.7 | 78.3 | 1000.6 |
| 01/28/2022 | 23:15:00 - 23:30:00 | 8 | 4 | 7 | 2 | 8 | 2.0 | 218.0 | -12.6 | 78.1 | 1000.6 |
| 01/28/2022 | 23:30:00 - 23:45:00 | 9 | 4 | 8 | 2 | 8 | 1.8 | 220.1 | -12.8 | 79.3 | 1000.5 |
| 01/28/2022 | 23:45:00 - 00:00:00 | 10 | 4 | 8 | 2 | 9 | 1.7 | 224.2 | -12.8 | 79.3 | 1000.5 |
| 01/29/2022 | 00:00:00 - 00:15:00 | 10 | 6 | 8 | 2 | 9 | 1.4 | 230.5 | -13.0 | 80.3 | 1000.4 |
| 01/29/2022 | 00:15:00 - 00:30:00 | 9 | 7 | 8 | 2 | 8 | 1.6 | 235.5 | -12.9 | 80.3 | 1000.3 |
| 01/29/2022 | 00:30:00 - 00:45:00 | 12 | 4 | 9 | 2 | 9 | 1.1 | 168.2 | -13.4 | 80.1 | 1000.1 |
| 01/29/2022 | 00:45:00 - 01:00:00 | 10 | 5 | 8 | 2 | 9 | 1.6 | 232.9 | -13.8 | 83.2 | 999.9 |
| 01/29/2022 | 01:00:00 - 01:15:00 | 11 | 5 | 8 | 2 | 10 | 1.9 | 225.4 | -13.4 | 83.8 | 999.7 |
| 01/29/2022 | 01:15:00 - 01:30:00 | 11 | 8 | 8 | 2 | 10 | 1.5 | 222.3 | -13.3 | 83.3 | 999.6 |
| 01/29/2022 | 01:30:00 - 01:45:00 | 11 | 6 | 8 | 2 | 10 | 1.4 | 236.5 | -13.5 | 84.3 | 999.3 |
| 01/29/2022 | 01:45:00 - 02:00:00 | 10 | 5 | 8 | 2 | 9 | 1.3 | 257.4 | -13.4 | 84.9 | 999.5 |
| 01/29/2022 | 02:00:00 - 02:15:00 | 10 | 5 | 8 | 2 | 9 | 1.3 | 260.4 | -13.4 | 84.1 | 999.5 |
| 01/29/2022 | 02:15:00 - 02:30:00 | 11 | 6 | 9 | 3 | 10 | 1.7 | 243.1 | -13.2 | 83.4 | 999.5 |
| 01/29/2022 | 02:30:00 - 02:45:00 | 12 | 5 | 10 | 3 | 10 | 1.2 | 265.8 | -13.2 | 83.1 | 999.6 |
| 01/29/2022 | 02:45:00 - 03:00:00 | 12 | 6 | 10 | 3 | 11 | 1.1 | 254.9 | -13.5 | 84.0 | 999.6 |
| 01/29/2022 | 03:00:00 - 03:15:00 | 12 | 6 | 10 | 3 | 10 | 1.2 | 221.2 | -13.6 | 84.8 | 999.4 |
| 01/29/2022 | 03:15:00 - 03:30:00 | 13 | 5 | 10 | 3 | 11 | 1.3 | 164.5 | -13.7 | 85.0 | 999.3 |
| 01/29/2022 | 03:30:00 - 03:45:00 | 12 | 5 | 9 | 3 | 10 | 1.8 | 179.5 | -13.6 | 85.6 | 999.1 |
| 01/29/2022 | 03:45:00 - 04:00:00 | 11 | 5 | 9 | 3 | 10 | 1.8 | 208.5 | -13.4 | 85.0 | 999.0 |
| 01/29/2022 | 04:00:00 - 04:15:00 | 12 | 8 | 9 | 3 | 10 | 2.3 | 212.0 | -13.2 | 85.3 | 998.8 |
| 01/29/2022 | 04:15:00 - 04:30:00 | 11 | 5 | 9 | 2 | 10 | 2.8 | 205.2 | -13.1 | 84.7 | 998.8 |
| 01/29/2022 | 04:30:00 - 04:45:00 | 12 | 5 | 9 | 3 | 10 | 2.7 | 205.3 | -13.1 | 84.0 | 998.7 |
| 01/29/2022 | 04:45:00 - 05:00:00 | 11 | 5 | 9 | 2 | 10 | 2.3 | 219.0 | -13.4 | 84.6 | 998.7 |
| 01/29/2022 | 05:00:00 - 05:15:00 | 11 | 4 | 9 | 2 | 10 | 2.4 | 212.4 | -13.5 | 84.4 | 998.5 |
| 01/29/2022 | 05:15:00 - 05:30:00 | 11 | 4 | 9 | 2 | 9 | 2.2 | 221.1 | -13.7 | 84.0 | 998.6 |
| 01/29/2022 | 05:30:00 - 05:45:00 | 11 | 4 | 9 | 2 | 9 | 3.1 | 214.4 | -13.8 | 83.4 | 998.8 |
| 01/29/2022 | 05:45:00 - 06:00:00 | 11 | 4 | 9 | 2 | 9 | 3.1 | 213.5 | -14.1 | 83.8 | 998.8 |
| 01/29/2022 | 06:00:00 - 06:15:00 | 11 | 4 | 9 | 2 | 9 | 2.5 | 223.1 | -14.0 | 83.8 | 998.7 |
| 01/29/2022 | 06:15:00 - 06:30:00 | 11 | 5 | 9 | 2 | 10 | 2.0 | 222.8 | -14.0 | 84.6 | 998.9 |
| 01/29/2022 | 06:30:00 - 06:45:00 | 13 | 5 | 10 | 3 | 11 | 2.9 | 213.5 | -13.9 | 85.0 | 999.0 |
| 01/29/2022 | 06:45:00 - 07:00:00 | 15 | 6 | 11 | 3 | 12 | 3.1 | 212.4 | -13.8 | 85.0 | 998.7 |
| 01/29/2022 | 07:00:00 - 07:15:00 | 14 | 5 | 11 | 3 | 12 | 2.7 | 204.7 | -13.7 | 85.0 | 998.5 |
| 01/29/2022 | 07:15:00 - 07:30:00 | 13 | 5 | 11 | 3 | 12 | 2.2 | 211.8 | -13.7 | 85.0 | 998.5 |
| 01/29/2022 | 07:30:00 - 07:45:00 | 13 | 6 | 10 | 3 | 12 | 2.8 | 203.1 | -13.1 | 82.9 | 998.2 |
| 01/29/2022 | 07:45:00 - 08:00:00 | 12 | 4 | 10 | 3 | 11 | 2.9 | 199.0 | -12.1 | 79.4 | 998.0 |
| 01/29/2022 | 08:00:00 - 08:15:00 | 10 | 4 | 9 | 3 | 10 | 3.6 | 203.5 | -11.6 | 76.6 | 997.8 |
| 01/29/2022 | 08:15:00 - 08:30:00 | 10 | 4 | 9 | 3 | 9 | 3.8 | 209.8 | -11.2 | 75.1 | 997.8 |
| 01/29/2022 | 08:30:00 - 08:45:00 | 10 | 4 | 9 | 3 | 10 | 4.0 | 200.8 | -10.7 | 73.9 | 997.8 |
| 01/29/2022 | 08:45:00 - 09:00:00 | 10 | 4 | 9 | 2 | 10 | 3.5 | 203.4 | -10.1 | 72.6 | 997.8 |
| 01/29/2022 | 09:00:00 - 09:15:00 | 10 | 4 | 9 | 2 | 9 | 2.6 | 184.0 | -8.8 | 69.9 | 997.5 |
| 01/29/2022 | 09:15:00 - 09:30:00 | 8 | 3 | 8 | 2 | 8 | 4.2 | 203.8 | -8.4 | 68.1 | 997.3 |
| 01/29/2022 | 09:30:00 - 09:45:00 | 6 | 3 | 7 | 2 | 7 | 4.7 | 199.2 | -8.0 | 64.9 | 997.2 |
| 01/29/2022 | 09:45:00 - 10:00:00 | 6 | 3 | 7 | 2 | 7 | 3.1 | 204.2 | -7.2 | 63.2 | 997.2 |
| 01/29/2022 | 10:00:00 - 10:15:00 | 6 | 3 | 7 | 2 | 7 | 4.4 | 203.6 | -7.2 | 62.4 | 997.0 |
| 01/29/2022 | 10:15:00 - 10:30:00 | 6 | 3 | 6 | 2 | 7 | 4.0 | 224.7 | -7.0 | 61.2 | 997.0 |
| 01/29/2022 | 10:30:00 - 10:45:00 | 6 | 4 | 6 | 2 | 7 | 3.7 | 225.8 | -6.5 | 60.2 | 996.8 |
| 01/29/2022 | 10:45:00 - 11:00:00 | 6 | 4 | 6 | 2 | 6 | 4.3 | 210.2 | -6.5 | 59.7 | 996.7 |
| 01/29/2022 | 11:00:00 - 11:15:00 | 5 | 3 | 6 | 2 | 6 | 4.1 | 209.7 | -6.2 | 58.5 | 996.2 |
| 01/29/2022 | 11:15:00 - 11:30:00 | 5 | 3 | 6 | 2 | 6 | 4.9 | 200.2 | -6.2 | 57.5 | 995.8 |
| 01/29/2022 | 11:30:00 - 11:45:00 | 6 | 3 | 6 | 2 | 7 | 3.2 | 197.7 | -5.9 | 58.1 | 995.5 |
| 01/29/2022 | 11:45:00 - 12:00:00 | 6 | 3 | 6 | 2 | 6 | 4.5 | 199.4 | -5.7 | 56.5 | 995.2 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 01/29/2022 | 12:00:00 - 12:15:00 | 5 | 3 | 6 | 2 | 6 | 4.8 | 205.2 | -5.5 | 56.8 | 994.8 |
| 01/29/2022 | 12:15:00 - 12:30:00 | 6 | 3 | 6 | 2 | 6 | 4.1 | 191.3 | -5.4 | 57.3 | 994.6 |
| 01/29/2022 | 12:30:00 - 12:45:00 | 6 | 3 | 6 | 2 | 6 | 4.2 | 203.5 | -5.8 | 60.3 | 994.1 |
| 01/29/2022 | 12:45:00 - 13:00:00 | 6 | 3 | 6 | 2 | 6 | 4.2 | 194.8 | -5.3 | 60.5 | 993.7 |
| 01/29/2022 | 13:00:00 - 13:15:00 | 5 | 3 | 6 | 2 | 6 | 3.8 | 193.2 | -5.3 | 57.8 | 993.5 |
| 01/29/2022 | 13:15:00 - 13:30:00 | 6 | 3 | 6 | 2 | 6 | 3.6 | 198.4 | -5.1 | 59.1 | 993.1 |
| 01/29/2022 | 13:30:00 - 13:45:00 | 6 | 3 | 6 | 2 | 7 | 4.2 | 195.2 | -5.0 | 58.1 | 992.8 |
| 01/29/2022 | 13:45:00 - 14:00:00 | 6 | 3 | 7 | 2 | 7 | 3.8 | 191.7 | -4.9 | 57.9 | 992.3 |
| 01/29/2022 | 14:00:00 - 14:15:00 | 6 | 3 | 7 | 2 | 7 | 3.7 | 203.9 | -4.6 | 57.2 | 991.8 |
| 01/29/2022 | 14:15:00 - 14:30:00 | 7 | 3 | 7 | 2 | 7 | 4.0 | 198.6 | -4.2 | 56.5 | 991.2 |
| 01/29/2022 | 14:30:00 - 14:45:00 | 6 | 3 | 6 | 2 | 6 | 3.7 | 191.9 | -3.8 | 56.3 | 990.7 |
| 01/29/2022 | 14:45:00 - 15:00:00 | 6 | 3 | 7 | 2 | 7 | 3.8 | 170.2 | -3.8 | 57.1 | 990.5 |
| 01/29/2022 | 15:00:00 - 15:15:00 | 6 | 3 | 7 | 2 | 7 | 3.9 | 173.4 | -3.8 | 57.2 | 990.5 |
| 01/29/2022 | 15:15:00 - 15:30:00 | 6 | 3 | 7 | 2 | 7 | 4.5 | 194.6 | -3.8 | 57.0 | 990.5 |
| 01/29/2022 | 15:30:00 - 15:45:00 | 6 | 3 | 7 | 2 | 7 | 3.6 | 183.5 | -4.0 | 58.0 | 990.4 |
| 01/29/2022 | 15:45:00 - 16:00:00 | 6 | 3 | 7 | 2 | 7 | 3.9 | 187.0 | -4.0 | 59.1 | 990.0 |
| 01/29/2022 | 16:00:00 - 16:15:00 | 6 | 3 | 7 | 2 | 7 | 3.4 | 170.5 | -4.1 | 58.6 | 989.8 |
| 01/29/2022 | 16:15:00 - 16:30:00 | 6 | 3 | 7 | 2 | 7 | 3.2 | 175.0 | -4.1 | 58.8 | 990.0 |
| 01/29/2022 | 16:30:00 - 16:45:00 | 7 | 3 | 7 | 2 | 8 | 2.9 | 189.0 | -4.1 | 59.5 | 989.8 |
| 01/29/2022 | 16:45:00 - 17:00:00 | 7 | 3 | 8 | 2 | 8 | 3.1 | 182.9 | -4.4 | 61.6 | 989.5 |
| 01/29/2022 | 17:00:00 - 17:15:00 | 8 | 4 | 8 | 2 | 8 | 2.4 | 179.5 | -4.7 | 64.4 | 989.7 |
| 01/29/2022 | 17:15:00 - 17:30:00 | 8 | 4 | 8 | 2 | 9 | 2.6 | 184.8 | -4.7 | 66.4 | 989.8 |
| 01/29/2022 | 17:30:00 - 17:45:00 | 8 | 4 | 8 | 2 | 9 | 2.6 | 171.5 | -4.7 | 67.4 | 989.5 |
| 01/29/2022 | 17:45:00 - 18:00:00 | 8 | 4 | 8 | 2 | 9 | 2.6 | 159.6 | -4.7 | 68.5 | 989.3 |
| 01/29/2022 | 18:00:00 - 18:15:00 | 8 | 4 | 8 | 2 | 8 | 2.7 | 162.1 | -4.8 | 68.7 | 989.0 |
| 01/29/2022 | 18:15:00 - 18:30:00 | 8 | 4 | 8 | 2 | 8 | 2.7 | 156.9 | -4.8 | 68.5 | 988.7 |
| 01/29/2022 | 18:30:00 - 18:45:00 | 8 | 4 | 8 | 2 | 8 | 2.6 | 169.9 | -4.7 | 68.9 | 988.7 |
| 01/29/2022 | 18:45:00 - 19:00:00 | 8 | 4 | 8 | 2 | 8 | 2.9 | 159.6 | -4.8 | 69.8 | 988.5 |
| 01/29/2022 | 19:00:00 - 19:15:00 | 8 | 4 | 8 | 2 | 8 | 3.3 | 156.5 | -4.9 | 70.0 | 988.5 |
| 01/29/2022 | 19:15:00 - 19:30:00 | 8 | 4 | 8 | 2 | 9 | 2.8 | 157.3 | -4.9 | 70.0 | 988.5 |
| 01/29/2022 | 19:30:00 - 19:45:00 | 8 | 4 | 8 | 2 | 9 | 2.9 | 160.3 | -4.8 | 70.0 | 988.3 |
| 01/29/2022 | 19:45:00 - 20:00:00 | 8 | 4 | 8 | 2 | 8 | 3.1 | 158.7 | -4.7 | 70.0 | 988.2 |
| 01/29/2022 | 20:00:00 - 20:15:00 | 8 | 4 | 8 | 2 | 8 | 2.9 | 162.5 | -4.6 | 70.0 | 987.9 |
| 01/29/2022 | 20:15:00 - 20:30:00 | 8 | 4 | 8 | 2 | 8 | 2.8 | 160.1 | -4.6 | 70.0 | 987.6 |
| 01/29/2022 | 20:30:00 - 20:45:00 | 8 | 4 | 8 | 2 | 9 | 2.7 | 167.0 | -4.6 | 70.6 | 987.5 |
| 01/29/2022 | 20:45:00 - 21:00:00 | 8 | 4 | 8 | 2 | 8 | 3.1 | 152.7 | -4.6 | 71.0 | 987.2 |
| 01/29/2022 | 21:00:00 - 21:15:00 | 8 | 4 | 8 | 2 | 9 | 3.4 | 165.5 | -4.6 | 70.9 | 986.8 |
| 01/29/2022 | 21:15:00 - 21:30:00 | 8 | 4 | 8 | 2 | 9 | 2.3 | 172.6 | -4.6 | 71.5 | 986.6 |
| 01/29/2022 | 21:30:00 - 21:45:00 | 8 | 4 | 8 | 2 | 8 | 2.3 | 173.1 | -4.7 | 72.0 | 986.3 |
| 01/29/2022 | 21:45:00 - 22:00:00 | 8 | 4 | 8 | 2 | 9 | 2.6 | 180.3 | -4.5 | 72.0 | 985.9 |
| 01/29/2022 | 22:00:00 - 22:15:00 | 8 | 4 | 8 | 2 | 8 | 2.8 | 170.1 | -4.5 | 71.2 | 985.4 |
| 01/29/2022 | 22:15:00 - 22:30:00 | 8 | 4 | 8 | 2 | 8 | 2.6 | 185.6 | -4.4 | 71.0 | 985.2 |
| 01/29/2022 | 22:30:00 - 22:45:00 | 7 | 4 | 8 | 2 | 8 | 3.0 | 185.8 | -4.4 | 71.0 | 985.1 |
| 01/29/2022 | 22:45:00 - 23:00:00 | 8 | 4 | 8 | 2 | 8 | 3.0 | 183.5 | -4.2 | 70.6 | 985.0 |
| 01/29/2022 | 23:00:00 - 23:15:00 | 8 | 4 | 8 | 2 | 8 | 3.0 | 189.3 | -4.0 | 70.0 | 985.0 |
| 01/29/2022 | 23:15:00 - 23:30:00 | 8 | 4 | 8 | 2 | 8 | 2.7 | 192.5 | -4.0 | 70.0 | 984.8 |
| 01/29/2022 | 23:30:00 - 23:45:00 | 8 | 4 | 8 | 2 | 8 | 2.7 | 187.4 | -4.1 | 71.0 | 984.6 |
| 01/30/2022 | 23:45:00 - 00:00:00 | 8 | 4 | 8 | 2 | 9 | 2.9 | 188.6 | -4.1 | 71.5 | 984.5 |
| 01/30/2022 | 00:00:00 - 00:15:00 | 9 | 4 | 9 | 2 | 9 | 3.5 | 195.7 | -4.0 | 71.0 | 984.3 |
| 01/30/2022 | 00:15:00 - 00:30:00 | 9 | 4 | 9 | 2 | 9 | 3.3 | 198.0 | -3.9 | 71.0 | 984.0 |
| 01/30/2022 | 00:30:00 - 00:45:00 | 9 | 4 | 9 | 2 | 10 | 4.6 | 201.3 | -3.7 | 71.0 | 983.7 |
| 01/30/2022 | 00:45:00 - 01:00:00 | 10 | 4 | 10 | 3 | 11 | 4.6 | 209.1 | -3.8 | 71.9 | 983.5 |
| 01/30/2022 | 01:00:00 - 01:15:00 | 11 | 5 | 10 | 3 | 11 | 4.6 | 209.8 | -3.8 | 72.8 | 983.3 |
| 01/30/2022 | 01:15:00 - 01:30:00 | 12 | 5 | 11 | 3 | 11 | 3.2 | 218.5 | -4.1 | 74.7 | 983.3 |
| 01/30/2022 | 01:30:00 - 01:45:00 | 10 | 4 | 10 | 3 | 10 | 3.5 | 223.2 | -4.2 | 75.0 | 983.0 |
| 01/30/2022 | 01:45:00 - 02:00:00 | 9 | 4 | 9 | 2 | 10 | 3.1 | 220.3 | -4.4 | 75.2 | 983.0 |
| 01/30/2022 | 02:00:00 - 02:15:00 | 9 | 4 | 9 | 3 | 10 | 2.4 | 213.3 | -4.7 | 76.5 | 982.9 |
| 01/30/2022 | 02:15:00 - 02:30:00 | 9 | 4 | 9 | 2 | 10 | 2.6 | 209.7 | -4.8 | 77.4 | 982.8 |
| 01/30/2022 | 02:30:00 - 02:45:00 | 9 | 4 | 10 | 3 | 10 | 2.3 | 212.8 | -5.0 | 78.1 | 982.7 |
| 01/30/2022 | 02:45:00 - 03:00:00 | 10 | 4 | 10 | 3 | 10 | 2.3 | 211.3 | -5.1 | 79.0 | 982.6 |
| 01/30/2022 | 03:00:00 - 03:15:00 | 10 | 4 | 10 | 3 | 10 | 2.3 | 212.7 | -5.0 | 79.1 | 982.4 |
| 01/30/2022 | 03:15:00 - 03:30:00 | 10 | 4 | 10 | 3 | 10 | 2.0 | 222.3 | -5.0 | 80.0 | 982.3 |
| 01/30/2022 | 03:30:00 - 03:45:00 | 10 | 5 | 10 | 3 | 11 | 2.0 | 233.1 | -5.1 | 80.0 | 982.3 |
| 01/30/2022 | 03:45:00 - 04:00:00 | 10 | 5 | 10 | 3 | 11 | 1.9 | 235.6 | -5.0 | 79.7 | 982.3 |
| 01/30/2022 | 04:00:00 - 04:15:00 | 10 | 5 | 10 | 3 | 11 | 1.5 | 229.5 | -5.2 | 80.0 | 982.3 |
| 01/30/2022 | 04:15:00 - 04:30:00 | 11 | 5 | 10 | 3 | 11 | 1.8 | 236.8 | -5.5 | 80.6 | 982.2 |
| 01/30/2022 | 04:30:00 - 04:45:00 | 11 | 5 | 10 | 3 | 11 | 1.6 | 220.3 | -5.7 | 81.1 | 982.2 |
| 01/30/2022 | 04:45:00 - 05:00:00 | 11 | 5 | 11 | 3 | 11 | 1.5 | 219.0 | -5.9 | 82.0 | 982.4 |
| 01/30/2022 | 05:00:00 - 05:15:00 | 11 | 5 | 11 | 3 | 12 | 1.7 | 219.2 | -6.1 | 82.8 | 982.4 |
| 01/30/2022 | 05:15:00 - 05:30:00 | 12 | 6 | 11 | 4 | 12 | 2.5 | 235.5 | -5.6 | 81.0 | 982.5 |
| 01/30/2022 | 05:30:00 - 05:45:00 | 13 | 6 | 12 | 3 | 13 | 2.6 | 252.9 | -5.6 | 80.0 | 982.7 |
| 01/30/2022 | 05:45:00 - 06:00:00 | 12 | 6 | 11 | 3 | 12 | 2.6 | 274.3 | -5.8 | 80.0 | 983.1 |
| 01/30/2022 | 06:00:00 - 06:15:00 | 11 | 5 | 10 | 3 | 11 | 3.4 | 280.3 | -6.0 | 79.7 | 983.3 |
| 01/30/2022 | 06:15:00 - 06:30:00 | 11 | 5 | 10 | 3 | 11 | 2.6 | 276.1 | -6.3 | 80.0 | 983.4 |
| 01/30/2022 | 06:30:00 - 06:45:00 | 12 | 5 | 11 | 3 | 12 | 2.9 | 296.3 | -6.6 | 81.3 | 983.8 |
| 01/30/2022 | 06:45:00 - 07:00:00 | 13 | 5 | 12 | 3 | 13 | 4.1 | 304.8 | -6.4 | 82.4 | 984.4 |
| 01/30/2022 | 07:00:00 - 07:15:00 | 15 | 6 | 14 | 4 | 15 | 4.2 | 315.2 | -6.2 | 83.0 | 984.8 |
| 01/30/2022 | 07:15:00 - 07:30:00 | 17 | 6 | 15 | 4 | 16 | 4.5 | 320.2 | -6.1 | 83.6 | 985.0 |
| 01/30/2022 | 07:30:00 - 07:45:00 | 17 | 7 | 15 | 4 | 16 | 4.7 | 323.8 | -6.0 | 83.3 | 985.3 |
| 01/30/2022 | 07:45:00 - 08:00:00 | 18 | 6 | 15 | 4 | 17 | 4.2 | 330.4 | -5.9 | 83.0 | 985.6 |
| 01/30/2022 | 08:00:00 - 08:15:00 | 17 | 6 | 14 | 4 | 16 | 5.3 | 319.3 | -5.9 | 82.0 | 985.7 |
| 01/30/2022 | 08:15:00 - 08:30:00 | 17 | 6 | 14 | 4 | 16 | 6.4 | 320.0 | -5.9 | 81.7 | 985.9 |
| 01/30/2022 | 08:30:00 - 08:45:00 | 17 | 6 | 14 | 4 | 16 | 6.6 | 320.6 | -5.7 | 80.6 | 986.1 |
| 01/30/2022 | 08:45:00 - 09:00:00 | 17 | 6 | 14 | 4 | 15 | 5.3 | 319.4 | -5.3 | 79.6 | 986.1 |
| 01/30/2022 | 09:00:00 - 09:15:00 | 16 | 6 | 14 | 4 | 15 | 5.7 | 321.5 | -4.9 | 78.1 | 986.3 |
| 01/30/2022 | 09:15:00 - 09:30:00 | 16 | 6 | 14 | 4 | 15 | 4.9 | 321.1 | -4.4 | 76.7 | 986.6 |
| 01/30/2022 | 09:30:00 - 09:45:00 | 15 | 6 | 13 | 4 | 15 | 5.7 | 316.1 | -4.0 | 75.4 | 986.9 |
| 01/30/2022 | 09:45:00 - 10:00:00 | 15 | 6 | 14 | 4 | 15 | 7.1 | 322.6 | -4.0 | 74.7 | 987.4 |
| 01/30/2022 | 10:00:00 - 10:15:00 | 15 | 6 | 13 | 4 | 15 | 6.3 | 315.2 | -3.5 | 73.0 | 987.7 |
| 01/30/2022 | 10:15:00 - 10:30:00 | 15 | 6 | 13 | 3 | 15 | 6.3 | 323.8 | -3.3 | 72.0 | 988.0 |
| 01/30/2022 | 10:30:00 - 10:45:00 | 15 | 6 | 13 | 3 | 15 | 7.1 | 328.7 | -3.1 | 70.8 | 988.3 |
| 01/30/2022 | 10:45:00 - 11:00:00 | 15 | 6 | 13 | 4 | 15 | 7.0 | 324.0 | -2.9 | 69.6 | 988.4 |
| 01/30/2022 | 11:00:00 - 11:15:00 | 15 | 6 | 13 | 4 | 15 | 5.5 | 305.4 | -2.6 | 69.0 | 988.4 |
| 01/30/2022 | 11:15:00 - 11:30:00 | 15 | 6 | 13 | 4 | 15 | 6.3 | 323.3 | -2.6 | 68.7 | 988.2 |
| 01/30/2022 | 11:30:00 - 11:45:00 | 15 | 6 | 13 | 4 | 14 | 6.5 | 328.0 | -2.3 | 67.8 | 988.0 |
| 01/30/2022 | 11:45:00 - 12:00:00 | 15 | 6 | 14 | 4 | 14 | 6.4 | 313.0 | -2.1 | 67.0 | 988.0 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 01/30/2022 | 12:00:00 - 12:15:00 | 15 | 6 | 14 | 4 | 14 | 7.2 | 308.2 | -2.0 | 65.8 | 988.2 |
| 01/30/2022 | 12:15:00 - 12:30:00 | 15 | 6 | 13 | 4 | 14 | 6.8 | 311.1 | -1.7 | 64.7 | 988.3 |
| 01/30/2022 | 12:30:00 - 12:45:00 | 14 | 6 | 13 | 3 | 14 | 6.4 | 313.7 | -1.3 | 63.0 | 988.1 |
| 01/30/2022 | 12:45:00 - 13:00:00 | 14 | 6 | 13 | 3 | 14 | 6.1 | 330.5 | -1.0 | 62.2 | 987.9 |
| 01/30/2022 | 13:00:00 - 13:15:00 | 15 | 6 | 13 | 3 | 14 | 6.9 | 322.8 | -0.9 | 61.7 | 987.9 |
| 01/30/2022 | 13:15:00 - 13:30:00 | 15 | 6 | 13 | 3 | 14 | 7.6 | 316.3 | -0.8 | 61.6 | 988.1 |
| 01/30/2022 | 13:30:00 - 13:45:00 | 15 | 6 | 13 | 4 | 14 | 6.5 | 336.3 | -0.5 | 60.9 | 988.2 |
| 01/30/2022 | 13:45:00 - 14:00:00 | 15 | 6 | 13 | 3 | 14 | 6.5 | 308.2 | -0.5 | 60.9 | 988.2 |
| 01/30/2022 | 14:00:00 - 14:15:00 | 15 | 6 | 13 | 4 | 14 | 7.0 | 314.9 | -0.6 | 61.5 | 988.4 |
| 01/30/2022 | 14:15:00 - 14:30:00 | 15 | 6 | 13 | 4 | 14 | 7.0 | 325.7 | -0.5 | 61.4 | 988.7 |
| 01/30/2022 | 14:30:00 - 14:45:00 | 15 | 6 | 13 | 4 | 14 | 6.7 | 316.6 | -0.5 | 61.6 | 988.9 |
| 01/30/2022 | 14:45:00 - 15:00:00 | 16 | 6 | 14 | 4 | 15 | 6.1 | 324.6 | -0.5 | 61.8 | 989.1 |
| 01/30/2022 | 15:00:00 - 15:15:00 | 16 | 6 | 14 | 4 | 15 | 5.8 | 323.0 | -0.4 | 61.7 | 989.2 |
| 01/30/2022 | 15:15:00 - 15:30:00 | 16 | 6 | 14 | 4 | 15 | 6.3 | 329.5 | -0.9 | 63.0 | 989.5 |
| 01/30/2022 | 15:30:00 - 15:45:00 | 16 | 6 | 14 | 4 | 15 | 5.7 | 326.7 | -1.1 | 64.1 | 989.9 |
| 01/30/2022 | 15:45:00 - 16:00:00 | 17 | 6 | 14 | 4 | 16 | 5.5 | 331.4 | -1.3 | 64.9 | 989.9 |
| 01/30/2022 | 16:00:00 - 16:15:00 | 17 | 7 | 15 | 4 | 16 | 5.5 | 325.2 | -1.7 | 66.5 | 990.1 |
| 01/30/2022 | 16:15:00 - 16:30:00 | 17 | 7 | 15 | 4 | 17 | 4.8 | 326.0 | -2.0 | 67.8 | 990.4 |
| 01/30/2022 | 16:30:00 - 16:45:00 | 18 | 7 | 16 | 4 | 18 | 4.8 | 323.0 | -2.2 | 69.1 | 990.8 |
| 01/30/2022 | 16:45:00 - 17:00:00 | 18 | 7 | 16 | 4 | 18 | 4.6 | 326.7 | -2.4 | 69.8 | 991.0 |
| 01/30/2022 | 17:00:00 - 17:15:00 | 19 | 7 | 17 | 4 | 19 | 3.8 | 325.6 | -2.6 | 70.2 | 991.2 |
| 01/30/2022 | 17:15:00 - 17:30:00 | 19 | 7 | 17 | 5 | 19 | 3.4 | 325.2 | -2.8 | 71.0 | 991.3 |
| 01/30/2022 | 17:30:00 - 17:45:00 | 20 | 7 | 17 | 5 | 20 | 2.0 | 346.6 | -3.0 | 71.2 | 991.1 |
| 01/30/2022 | 17:45:00 - 18:00:00 | 20 | 8 | 17 | 5 | 19 | 2.6 | 337.9 | -3.2 | 72.0 | 991.3 |
| 01/30/2022 | 18:00:00 - 18:15:00 | 20 | 8 | 18 | 5 | 20 | 3.1 | 324.4 | -3.3 | 73.0 | 991.8 |
| 01/30/2022 | 18:15:00 - 18:30:00 | 20 | 8 | 18 | 5 | 20 | 2.1 | 349.1 | -3.3 | 73.0 | 991.9 |
| 01/30/2022 | 18:30:00 - 18:45:00 | 20 | 8 | 18 | 5 | 20 | 1.5 | 342.2 | -3.5 | 73.7 | 991.9 |
| 01/30/2022 | 18:45:00 - 19:00:00 | 20 | 8 | 18 | 5 | 20 | 1.3 | 345.6 | -3.6 | 74.0 | 991.9 |
| 01/30/2022 | 19:00:00 - 19:15:00 | 20 | 8 | 18 | 5 | 20 | 2.0 | 317.2 | -3.7 | 74.5 | 992.2 |
| 01/30/2022 | 19:15:00 - 19:30:00 | 31 | 14 | 26 | 9 | 29 | 2.0 | 276.9 | -3.8 | 75.0 | 992.5 |
| 01/30/2022 | 19:30:00 - 19:45:00 | 21 | 9 | 19 | 5 | 21 | 1.5 | 297.4 | -3.9 | 75.4 | 992.6 |
| 01/30/2022 | 19:45:00 - 20:00:00 | 21 | 9 | 19 | 5 | 22 | 1.5 | 306.5 | -4.0 | 76.3 | 992.6 |
| 01/30/2022 | 20:00:00 - 20:15:00 | 21 | 8 | 19 | 5 | 22 | 1.8 | 309.8 | -4.0 | 76.4 | 992.7 |
| 01/30/2022 | 20:15:00 - 20:30:00 | 22 | 9 | 19 | 5 | 22 | 2.2 | 312.0 | -4.0 | 77.0 | 992.8 |
| 01/30/2022 | 20:30:00 - 20:45:00 | 21 | 9 | 19 | 5 | 22 | 2.6 | 316.4 | -4.0 | 77.0 | 992.9 |
| 01/30/2022 | 20:45:00 - 21:00:00 | 22 | 9 | 19 | 5 | 22 | 1.3 | 325.0 | -4.2 | 77.4 | 992.9 |
| 01/30/2022 | 21:00:00 - 21:15:00 | 23 | 9 | 20 | 5 | 22 | 1.0 | 321.2 | -4.4 | 78.2 | 992.8 |
| 01/30/2022 | 21:15:00 - 21:30:00 | 23 | 9 | 20 | 6 | 23 | 0.6 | 7.1 | -4.6 | 79.0 | 992.6 |
| 01/30/2022 | 21:30:00 - 21:45:00 | 23 | 9 | 20 | 6 | 23 | 1.0 | 327.4 | -4.6 | 79.3 | 992.8 |
| 01/30/2022 | 21:45:00 - 22:00:00 | 23 | 9 | 20 | 6 | 23 | 1.0 | 356.6 | -4.6 | 79.0 | 992.8 |
| 01/30/2022 | 22:00:00 - 22:15:00 | 23 | 9 | 20 | 5 | 23 | 1.0 | 37.2 | -4.6 | 79.0 | 992.8 |
| 01/30/2022 | 22:15:00 - 22:30:00 | 23 | 9 | 20 | 5 | 22 | 0.8 | 12.4 | -4.8 | 79.0 | 992.8 |
| 01/30/2022 | 22:30:00 - 22:45:00 | 23 | 9 | 20 | 5 | 23 | 1.1 | 24.6 | -4.9 | 79.0 | 992.6 |
| 01/30/2022 | 22:45:00 - 23:00:00 | 23 | 9 | 20 | 5 | 23 | 0.6 | 352.9 | -5.0 | 79.4 | 992.7 |
| 01/30/2022 | 23:00:00 - 23:15:00 | 24 | 9 | 20 | 5 | 23 | 0.2 | 329.4 | -5.3 | 80.1 | 992.7 |
| 01/30/2022 | 23:15:00 - 23:30:00 | 25 | 9 | 21 | 6 | 23 | 0.5 | 334.0 | -5.5 | 81.0 | 992.5 |
| 01/30/2022 | 23:30:00 - 23:45:00 | 25 | 9 | 21 | 6 | 24 | 0.9 | 297.3 | -5.7 | 81.4 | 992.4 |
| 01/31/2022 | 23:45:00 - 00:00:00 | 25 | 10 | 22 | 6 | 25 | 0.9 | 261.5 | -5.9 | 82.0 | 992.4 |
| 01/31/2022 | 00:00:00 - 00:15:00 | 26 | 11 | 22 | 6 | 25 | 1.0 | 247.8 | -6.0 | 82.2 | 992.7 |
| 01/31/2022 | 00:15:00 - 00:30:00 | 27 | 10 | 23 | 6 | 26 | 0.8 | 234.7 | -6.2 | 82.8 | 992.7 |
| 01/31/2022 | 00:30:00 - 00:45:00 | 27 | 10 | 23 | 6 | 27 | 0.6 | 221.4 | -6.6 | 83.8 | 992.4 |
| 01/31/2022 | 00:45:00 - 01:00:00 | 28 | 11 | 24 | 7 | 27 | 1.1 | 225.6 | -7.0 | 85.2 | 992.4 |
| 01/31/2022 | 01:00:00 - 01:15:00 | 29 | 11 | 24 | 7 | 28 | 0.4 | 118.9 | -7.2 | 85.6 | 992.2 |
| 01/31/2022 | 01:15:00 - 01:30:00 | 30 | 13 | 24 | 7 | 28 | 1.0 | 154.9 | -7.5 | 86.9 | 992.1 |
| 01/31/2022 | 01:30:00 - 01:45:00 | 31 | 16 | 24 | 7 | 28 | 1.0 | 203.9 | -8.1 | 87.7 | 992.2 |
| 01/31/2022 | 01:45:00 - 02:00:00 | 31 | 14 | 25 | 7 | 29 | 1.1 | 217.6 | -8.0 | 89.9 | 992.4 |
| 01/31/2022 | 02:00:00 - 02:15:00 | 33 | 12 | 26 | 7 | 30 | 0.8 | 205.6 | -8.0 | 89.7 | 992.5 |
| 01/31/2022 | 02:15:00 - 02:30:00 | 32 | 12 | 26 | 7 | 29 | 1.0 | 231.2 | -7.7 | 90.2 | 992.6 |
| 01/31/2022 | 02:30:00 - 02:45:00 | 33 | 12 | 26 | 7 | 29 | 1.0 | 213.1 | -8.2 | 89.6 | 992.5 |
| 01/31/2022 | 02:45:00 - 03:00:00 | 33 | 12 | 26 | 7 | 30 | 1.3 | 222.3 | -7.8 | 90.7 | 992.5 |
| 01/31/2022 | 03:00:00 - 03:15:00 | 33 | 12 | 26 | 7 | 30 | 1.2 | 193.2 | -7.9 | 90.3 | 992.6 |
| 01/31/2022 | 03:15:00 - 03:30:00 | 33 | 12 | 26 | 7 | 30 | 1.0 | 150.6 | -8.1 | 90.5 | 992.4 |
| 01/31/2022 | 03:30:00 - 03:45:00 | 35 | 12 | 27 | 7 | 30 | 0.9 | 176.4 | -8.5 | 91.0 | 992.7 |
| 01/31/2022 | 03:45:00 - 04:00:00 | 36 | 12 | 28 | 7 | 32 | 1.1 | 199.6 | -8.9 | 91.6 | 992.8 |
| 01/31/2022 | 04:00:00 - 04:15:00 | 36 | 12 | 28 | 8 | 32 | 0.8 | 205.3 | -9.0 | 92.5 | 992.8 |
| 01/31/2022 | 04:15:00 - 04:30:00 | 35 | 12 | 27 | 7 | 31 | 0.9 | 196.0 | -8.9 | 93.0 | 992.9 |
| 01/31/2022 | 04:30:00 - 04:45:00 | 34 | 12 | 27 | 7 | 31 | 0.9 | 175.4 | -9.3 | 93.0 | 992.9 |
| 01/31/2022 | 04:45:00 - 05:00:00 | 35 | 12 | 28 | 8 | 31 | 0.8 | 154.9 | -9.3 | 93.7 | 993.0 |
| 01/31/2022 | 05:00:00 - 05:15:00 | 34 | 12 | 29 | 8 | 32 | 1.0 | 169.8 | -9.2 | 93.9 | 993.1 |
| 01/31/2022 | 05:15:00 - 05:30:00 | 33 | 11 | 29 | 8 | 33 | 1.1 | 221.8 | -9.3 | 94.0 | 993.2 |
| 01/31/2022 | 05:30:00 - 05:45:00 | 33 | 11 | 29 | 8 | 34 | 0.8 | 227.7 | -9.3 | 94.0 | 993.4 |
| 01/31/2022 | 05:45:00 - 06:00:00 | 32 | 11 | 29 | 8 | 33 | 0.8 | 175.4 | -9.4 | 94.0 | 993.6 |
| 01/31/2022 | 06:00:00 - 06:15:00 | 32 | 11 | 29 | 8 | 33 | 1.1 | 143.6 | -9.3 | 94.6 | 993.6 |
| 01/31/2022 | 06:15:00 - 06:30:00 | 31 | 11 | 29 | 8 | 36 | 0.9 | 154.5 | -9.2 | 94.4 | 993.5 |
| 01/31/2022 | 06:30:00 - 06:45:00 | 32 | 12 | 29 | 8 | 37 | 0.8 | 172.9 | -9.6 | 94.2 | 993.6 |
| 01/31/2022 | 06:45:00 - 07:00:00 | 33 | 12 | 31 | 8 | 35 | 0.9 | 186.9 | -9.7 | 94.4 | 993.8 |
| 01/31/2022 | 07:00:00 - 07:15:00 | 46 | 13 | 41 | 10 | 48 | 1.2 | 159.9 | -9.5 | 95.0 | 993.8 |
| 01/31/2022 | 07:15:00 - 07:30:00 | 36 | 13 | 33 | 11 | 40 | 1.8 | 156.9 | -8.6 | 95.3 | 993.8 |
| 01/31/2022 | 07:30:00 - 07:45:00 | 39 | 14 | 34 | 11 | 40 | 2.3 | 142.7 | -7.1 | 92.4 | 993.8 |
| 01/31/2022 | 07:45:00 - 08:00:00 | 41 | 13 | 35 | 11 | 40 | 2.5 | 124.5 | -6.3 | 89.0 | 993.9 |
| 01/31/2022 | 08:00:00 - 08:15:00 | 38 | 13 | 31 | 11 | 37 | 3.5 | 130.2 | -5.8 | 86.3 | 994.0 |
| 01/31/2022 | 08:15:00 - 08:30:00 | 38 | 12 | 31 | 9 | 32 | 3.3 | 126.7 | -5.4 | 84.8 | 993.9 |
| 01/31/2022 | 08:30:00 - 08:45:00 | 36 | 12 | 29 | 10 | 32 | 3.5 | 139.4 | -4.8 | 83.1 | 994.0 |
| 01/31/2022 | 08:45:00 - 09:00:00 | 37 | 12 | 30 | 9 | 33 | 3.2 | 140.0 | -4.1 | 81.3 | 994.3 |
| 01/31/2022 | 09:00:00 - 09:15:00 | 36 | 12 | 30 | 9 | 32 | 3.7 | 140.6 | -3.3 | 79.0 | 994.3 |
| 01/31/2022 | 09:15:00 - 09:30:00 | 34 | 12 | 29 | 9 | 32 | 3.4 | 144.0 | -2.9 | 78.1 | 994.3 |
| 01/31/2022 | 09:30:00 - 09:45:00 | 33 | 12 | 27 | 9 | 32 | 3.3 | 153.0 | -2.1 | 76.5 | 994.3 |
| 01/31/2022 | 09:45:00 - 10:00:00 | 33 | 12 | 28 | 9 | 33 | 2.7 | 158.4 | -1.3 | 74.4 | 994.2 |
| 01/31/2022 | 10:00:00 - 10:15:00 | 35 | 13 | 28 | 10 | 35 | 2.7 | 156.4 | -0.8 | 71.9 | 994.2 |
| 01/31/2022 | 10:15:00 - 10:30:00 | 34 | 12 | 27 | 9 | 34 | 3.1 | 165.7 | 0.0 | 68.2 | 994.1 |
| 01/31/2022 | 10:30:00 - 10:45:00 | 32 | 12 | 26 | 9 | 32 | 3.0 | 170.7 | -0.1 | 67.6 | 994.1 |
| 01/31/2022 | 10:45:00 - 11:00:00 | 30 | 11 | 23 | 8 | 29 | 3.3 | 167.9 | 0.4 | 65.1 | 993.9 |
| 01/31/2022 | 11:00:00 - 11:15:00 | 27 | 10 | 22 | 7 | 27 | 3.8 | 149.6 | 0.7 | 63.9 | 993.7 |
| 01/31/2022 | 11:15:00 - 11:30:00 | 27 | 9 | 21 | 7 | 25 | 2.7 | 170.7 | 1.3 | 61.9 | 993.5 |
| 01/31/2022 | 11:30:00 - 11:45:00 | 26 | 9 | 21 | 7 | 24 | 2.8 | 185.5 | 1.6 | 60.2 | 993.2 |
| 01/31/2022 | 11:45:00 - 12:00:00 | 26 | 9 | 20 | 6 | 25 | 2.4 | 159.4 | 2.0 | 58.7 | 992.9 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 01/31/2022 | 12:00:00 - 12:15:00 | 26 | 9 | 21 | 6 | 25 | 2.7 | 167.3 | 2.3 | 57.8 | 992.6 |
| 01/31/2022 | 12:15:00 - 12:30:00 | 24 | 9 | 19 | 6 | 24 | 2.8 | 189.9 | 2.8 | 56.1 | 992.4 |
| 01/31/2022 | 12:30:00 - 12:45:00 | 22 | 8 | 18 | 5 | 21 | 2.5 | 183.3 | 3.1 | 54.4 | 992.0 |
| 01/31/2022 | 12:45:00 - 13:00:00 | 21 | 8 | 17 | 5 | 21 | 3.2 | 173.5 | 3.3 | 53.0 | 991.9 |
| 01/31/2022 | 13:00:00 - 13:15:00 | 20 | 7 | 18 | 5 | 19 | 2.9 | 172.4 | 3.7 | 51.5 | 991.8 |
| 01/31/2022 | 13:15:00 - 13:30:00 | 20 | 7 | 15 | 5 | 18 | 2.9 | 200.7 | 4.1 | 49.9 | 991.7 |
| 01/31/2022 | 13:30:00 - 13:45:00 | 20 | 8 | 16 | 5 | 19 | 3.3 | 188.4 | 4.1 | 50.0 | 991.5 |
| 01/31/2022 | 13:45:00 - 14:00:00 | 21 | 8 | 17 | 5 | 20 | 2.6 | 191.7 | 4.4 | 49.7 | 991.3 |
| 01/31/2022 | 14:00:00 - 14:15:00 | 21 | 7 | 16 | 5 | 19 | 3.0 | 186.7 | 4.4 | 48.9 | 991.3 |
| 01/31/2022 | 14:15:00 - 14:30:00 | 20 | 7 | 16 | 5 | 18 | 3.4 | 155.1 | 4.2 | 49.0 | 991.0 |
| 01/31/2022 | 14:30:00 - 14:45:00 | 20 | 7 | 16 | 5 | 19 | 3.0 | 156.5 | 4.2 | 50.2 | 990.9 |
| 01/31/2022 | 14:45:00 - 15:00:00 | 21 | 7 | 16 | 5 | 20 | 2.6 | 161.4 | 4.8 | 48.9 | 990.9 |
| 01/31/2022 | 15:00:00 - 15:15:00 | 20 | 8 | 16 | 5 | 20 | 2.5 | 171.5 | 4.2 | 49.8 | 990.9 |
| 01/31/2022 | 15:15:00 - 15:30:00 | 21 | 8 | 17 | 5 | 19 | 3.0 | 152.6 | 3.9 | 50.8 | 990.8 |
| 01/31/2022 | 15:30:00 - 15:45:00 | 21 | 8 | 17 | 5 | 20 | 2.4 | 154.9 | 3.9 | 51.7 | 990.8 |
| 01/31/2022 | 15:45:00 - 16:00:00 | 21 | 8 | 17 | 5 | 20 | 4.3 | 142.4 | 3.8 | 52.1 | 990.7 |
| 01/31/2022 | 16:00:00 - 16:15:00 | 22 | 8 | 18 | 5 | 21 | 3.1 | 145.5 | 3.8 | 52.5 | 990.9 |
| 01/31/2022 | 16:15:00 - 16:30:00 | 21 | 8 | 17 | 5 | 20 | 3.1 | 149.0 | 3.7 | 52.0 | 990.9 |
| 01/31/2022 | 16:30:00 - 16:45:00 | 22 | 8 | 18 | 5 | 21 | 4.4 | 148.3 | 3.6 | 52.4 | 990.8 |
| 01/31/2022 | 16:45:00 - 17:00:00 | 22 | 8 | 18 | 5 | 21 | 2.9 | 158.8 | 3.4 | 53.0 | 990.8 |
| 01/31/2022 | 17:00:00 - 17:15:00 | 22 | 8 | 18 | 5 | 22 | 2.9 | 162.7 | 3.3 | 53.1 | 991.0 |
| 01/31/2022 | 17:15:00 - 17:30:00 | 22 | 8 | 18 | 5 | 21 | 3.3 | 165.6 | 3.2 | 53.8 | 991.1 |
| 01/31/2022 | 17:30:00 - 17:45:00 | 23 | 8 | 18 | 5 | 25 | 3.9 | 158.3 | 3.0 | 54.0 | 990.9 |
| 01/31/2022 | 17:45:00 - 18:00:00 | 24 | 9 | 19 | 5 | 23 | 3.6 | 139.0 | 2.8 | 54.5 | 990.8 |
| 01/31/2022 | 18:00:00 - 18:15:00 | 24 | 9 | 20 | 6 | 23 | 4.4 | 145.0 | 2.6 | 55.5 | 990.9 |
| 01/31/2022 | 18:15:00 - 18:30:00 | 25 | 9 | 20 | 6 | 24 | 5.6 | 142.4 | 2.5 | 56.1 | 990.8 |
| 01/31/2022 | 18:30:00 - 18:45:00 | 25 | 9 | 20 | 6 | 24 | 5.0 | 141.6 | 2.4 | 57.0 | 990.8 |
| 01/31/2022 | 18:45:00 - 19:00:00 | 25 | 9 | 20 | 6 | 24 | 5.5 | 141.9 | 2.3 | 57.6 | 990.8 |
| 01/31/2022 | 19:00:00 - 19:15:00 | 26 | 9 | 21 | 6 | 25 | 5.6 | 144.4 | 2.1 | 58.7 | 990.7 |
| 01/31/2022 | 19:15:00 - 19:30:00 | 27 | 10 | 22 | 6 | 26 | 4.8 | 145.0 | 2.1 | 59.7 | 990.5 |
| 01/31/2022 | 19:30:00 - 19:45:00 | 28 | 10 | 23 | 6 | 27 | 5.3 | 144.1 | 2.2 | 60.6 | 990.4 |
| 01/31/2022 | 19:45:00 - 20:00:00 | 29 | 10 | 23 | 7 | 28 | 3.6 | 151.1 | 2.2 | 61.5 | 990.4 |
| 01/31/2022 | 20:00:00 - 20:15:00 | 29 | 11 | 24 | 7 | 28 | 3.3 | 149.0 | 2.2 | 61.9 | 990.4 |
| 01/31/2022 | 20:15:00 - 20:30:00 | 29 | 10 | 24 | 7 | 28 | 3.1 | 148.1 | 2.1 | 62.0 | 990.3 |
| 01/31/2022 | 20:30:00 - 20:45:00 | 29 | 11 | 24 | 7 | 28 | 3.2 | 170.3 | 2.0 | 62.6 | 990.3 |
| 01/31/2022 | 20:45:00 - 21:00:00 | 29 | 11 | 24 | 7 | 28 | 2.8 | 151.6 | 1.9 | 63.1 | 990.2 |
| 01/31/2022 | 21:00:00 - 21:15:00 | 29 | 10 | 23 | 7 | 28 | 3.1 | 147.7 | 1.7 | 64.1 | 990.1 |
| 01/31/2022 | 21:15:00 - 21:30:00 | 28 | 10 | 23 | 7 | 27 | 3.0 | 149.4 | 1.6 | 64.8 | 990.0 |
| 01/31/2022 | 21:30:00 - 21:45:00 | 28 | 10 | 23 | 7 | 27 | 2.6 | 151.0 | 1.6 | 65.0 | 989.8 |
| 01/31/2022 | 21:45:00 - 22:00:00 | 28 | 10 | 23 | 6 | 27 | 2.4 | 171.6 | 1.5 | 65.0 | 989.7 |
| 01/31/2022 | 22:00:00 - 22:15:00 | 27 | 10 | 23 | 7 | 27 | 3.1 | 173.3 | 1.5 | 65.0 | 989.6 |
| 01/31/2022 | 22:15:00 - 22:30:00 | 28 | 10 | 23 | 6 | 27 | 3.0 | 163.6 | 1.6 | 64.4 | 989.7 |
| 01/31/2022 | 22:30:00 - 22:45:00 | 28 | 10 | 23 | 7 | 28 | 3.3 | 164.7 | 1.5 | 65.0 | 989.6 |
| 01/31/2022 | 22:45:00 - 23:00:00 | 28 | 10 | 23 | 7 | 27 | 4.0 | 156.4 | 1.6 | 65.0 | 989.5 |
| 01/31/2022 | 23:00:00 - 23:15:00 | 28 | 10 | 23 | 6 | 27 | 3.8 | 163.5 | 1.6 | 65.0 | 989.4 |
| 01/31/2022 | 23:15:00 - 23:30:00 | 27 | 10 | 22 | 6 | 26 | 3.4 | 158.5 | 1.7 | 64.4 | 989.2 |
| 01/31/2022 | 23:30:00 - 23:45:00 | 27 | 10 | 22 | 6 | 26 | 2.5 | 140.3 | 1.7 | 64.0 | 989.2 |
| 02/01/2022 | 23:45:00 - 00:00:00 | 27 | 10 | 22 | 6 | 26 | 3.2 | 142.3 | 1.7 | 64.0 | 989.1 |
| 02/01/2022 | 00:00:00 - 00:15:00 | 26 | 10 | 22 | 6 | 26 | 3.0 | 142.0 | 1.6 | 64.2 | 989.0 |
| 02/01/2022 | 00:15:00 - 00:30:00 | 26 | 10 | 22 | 6 | 26 | 3.3 | 157.2 | 1.5 | 64.9 | 988.9 |
| 02/01/2022 | 00:30:00 - 00:45:00 | 26 | 9 | 21 | 6 | 25 | 2.6 | 147.6 | 1.6 | 65.0 | 988.9 |
| 02/01/2022 | 00:45:00 - 01:00:00 | 25 | 9 | 21 | 6 | 25 | 2.4 | 171.0 | 1.6 | 65.0 | 988.8 |
| 02/01/2022 | 01:00:00 - 01:15:00 | 25 | 9 | 21 | 6 | 25 | 2.4 | 173.1 | 1.6 | 65.0 | 988.8 |
| 02/01/2022 | 01:15:00 - 01:30:00 | 25 | 9 | 21 | 6 | 25 | 2.1 | 184.6 | 1.4 | 65.8 | 988.6 |
| 02/01/2022 | 01:30:00 - 01:45:00 | 25 | 9 | 21 | 6 | 25 | 2.4 | 173.7 | 1.4 | 66.0 | 988.6 |
| 02/01/2022 | 01:45:00 - 02:00:00 | 25 | 9 | 20 | 6 | 24 | 2.3 | 176.1 | 1.3 | 66.0 | 988.6 |
| 02/01/2022 | 02:00:00 - 02:15:00 | 24 | 9 | 20 | 6 | 24 | 2.2 | 173.2 | 1.1 | 66.8 | 988.4 |
| 02/01/2022 | 02:15:00 - 02:30:00 | 24 | 9 | 20 | 6 | 24 | 2.4 | 172.5 | 1.0 | 67.0 | 988.3 |
| 02/01/2022 | 02:30:00 - 02:45:00 | 24 | 9 | 20 | 6 | 24 | 2.1 | 198.3 | 0.9 | 67.8 | 988.2 |
| 02/01/2022 | 02:45:00 - 03:00:00 | 23 | 9 | 19 | 6 | 23 | 1.8 | 182.2 | 0.9 | 68.0 | 988.1 |
| 02/01/2022 | 03:00:00 - 03:15:00 | 23 | 8 | 19 | 5 | 22 | 1.7 | 177.7 | 1.0 | 68.0 | 988.0 |
| 02/01/2022 | 03:15:00 - 03:30:00 | 22 | 8 | 18 | 5 | 22 | 1.3 | 189.0 | 1.2 | 67.8 | 987.9 |
| 02/01/2022 | 03:30:00 - 03:45:00 | 21 | 8 | 18 | 5 | 21 | 1.2 | 185.3 | 1.3 | 67.7 | 988.0 |
| 02/01/2022 | 03:45:00 - 04:00:00 | 21 | 8 | 17 | 5 | 20 | 1.3 | 202.1 | 1.4 | 67.6 | 988.0 |
| 02/01/2022 | 04:00:00 - 04:15:00 | 20 | 8 | 17 | 5 | 20 | 1.7 | 174.3 | 1.3 | 68.0 | 987.9 |
| 02/01/2022 | 04:15:00 - 04:30:00 | 20 | 8 | 17 | 5 | 20 | 2.1 | 194.1 | 1.4 | 68.1 | 987.9 |
| 02/01/2022 | 04:30:00 - 04:45:00 | 20 | 7 | 17 | 5 | 20 | 1.7 | 192.3 | 1.2 | 69.0 | 987.9 |
| 02/01/2022 | 04:45:00 - 05:00:00 | 19 | 7 | 16 | 5 | 19 | 2.4 | 192.7 | 1.5 | 68.5 | 987.9 |
| 02/01/2022 | 05:00:00 - 05:15:00 | 18 | 7 | 16 | 4 | 18 | 2.7 | 193.5 | 1.7 | 68.0 | 987.8 |
| 02/01/2022 | 05:15:00 - 05:30:00 | 18 | 7 | 15 | 4 | 18 | 2.2 | 200.0 | 1.8 | 68.1 | 987.8 |
| 02/01/2022 | 05:30:00 - 05:45:00 | 18 | 7 | 15 | 4 | 18 | 2.3 | 203.9 | 1.7 | 69.0 | 987.8 |
| 02/01/2022 | 05:45:00 - 06:00:00 | 18 | 7 | 16 | 4 | 18 | 1.6 | 195.7 | 1.8 | 69.0 | 987.8 |
| 02/01/2022 | 06:00:00 - 06:15:00 | 18 | 7 | 16 | 4 | 18 | 2.1 | 196.3 | 1.9 | 69.0 | 987.8 |
| 02/01/2022 | 06:15:00 - 06:30:00 | 19 | 7 | 16 | 5 | 19 | 2.0 | 199.4 | 1.9 | 69.0 | 987.8 |
| 02/01/2022 | 06:30:00 - 06:45:00 | 19 | 7 | 16 | 5 | 19 | 1.8 | 200.0 | 1.9 | 69.3 | 987.8 |
| 02/01/2022 | 06:45:00 - 07:00:00 | 19 | 7 | 16 | 5 | 19 | 1.5 | 187.8 | 1.9 | 70.0 | 987.7 |
| 02/01/2022 | 07:00:00 - 07:15:00 | 19 | 7 | 16 | 5 | 19 | 2.0 | 185.0 | 1.9 | 70.2 | 987.8 |
| 02/01/2022 | 07:15:00 - 07:30:00 | 19 | 7 | 16 | 5 | 19 | 2.2 | 189.3 | 2.0 | 71.0 | 987.8 |
| 02/01/2022 | 07:30:00 - 07:45:00 | 19 | 7 | 16 | 5 | 19 | 3.3 | 206.4 | 2.3 | 70.4 | 987.8 |
| 02/01/2022 | 07:45:00 - 08:00:00 | 19 | 7 | 16 | 5 | 18 | 3.4 | 202.7 | 2.7 | 69.7 | 988.0 |
| 02/01/2022 | 08:00:00 - 08:15:00 | 19 | 7 | 16 | 5 | 19 | 2.6 | 207.6 | 3.2 | 69.1 | 988.1 |
| 02/01/2022 | 08:15:00 - 08:30:00 | 22 | 7 | 16 | 5 | 18 | 2.7 | 194.5 | 4.0 | 67.6 | 988.2 |
| 02/01/2022 | 08:30:00 - 08:45:00 | 18 | 7 | 15 | 4 | 18 | 2.9 | 201.0 | 4.9 | 65.1 | 988.3 |
| 02/01/2022 | 08:45:00 - 09:00:00 | 19 | 7 | 15 | 4 | 17 | 3.1 | 196.4 | 5.5 | 64.0 | 988.5 |
| 02/01/2022 | 09:00:00 - 09:15:00 | 17 | 6 | 15 | 4 | 17 | 3.1 | 188.6 | 6.4 | 61.9 | 988.5 |
| 02/01/2022 | 09:15:00 - 09:30:00 | 17 | 6 | 14 | 4 | 16 | 4.2 | 197.4 | 7.3 | 59.7 | 988.5 |
| 02/01/2022 | 09:30:00 - 09:45:00 | 17 | 7 | 14 | 4 | 15 | 4.3 | 198.0 | 8.0 | 58.8 | 988.4 |
| 02/01/2022 | 09:45:00 - 10:00:00 | 16 | 6 | 13 | 4 | 15 | 4.7 | 199.5 | 8.7 | 59.0 | 988.3 |
| 02/01/2022 | 10:00:00 - 10:15:00 | 16 | 6 | 13 | 4 | 15 | 6.0 | 202.3 | 9.0 | 59.3 | 988.6 |
| 02/01/2022 | 10:15:00 - 10:30:00 | 16 | 6 | 13 | 3 | 14 | 5.5 | 199.3 | 9.0 | 60.8 | 988.8 |
| 02/01/2022 | 10:30:00 - 10:45:00 | 15 | 6 | 12 | 3 | 14 | 5.2 | 199.2 | 9.5 | 60.2 | 988.7 |
| 02/01/2022 | 10:45:00 - 11:00:00 | 16 | 7 | 12 | 3 | 14 | 5.8 | 199.9 | 9.8 | 59.5 | 988.6 |
| 02/01/2022 | 11:00:00 - 11:15:00 | 16 | 9 | 13 | 4 | 15 | 4.6 | 203.2 | 10.1 | 58.7 | 988.5 |
| 02/01/2022 | 11:15:00 - 11:30:00 | 16 | 8 | 13 | 4 | 14 | 5.7 | 202.5 | 9.6 | 59.1 | 988.4 |
| 02/01/2022 | 11:30:00 - 11:45:00 | 16 | 7 | 13 | 4 | 15 | 5.6 | 205.2 | 9.2 | 61.1 | 988.4 |
| 02/01/2022 | 11:45:00 - 12:00:00 | 17 | 6 | 13 | 4 | 15 | 4.2 | 202.7 | 9.0 | 64.0 | 988.2 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 02/01/2022 | 12:00:00 - 12:15:00 | 17 | 7 | 14 | 4 | 16 | 3.0 | 191.3 | 8.5 | 69.1 | 988.2 |
| 02/01/2022 | 12:15:00 - 12:30:00 | 18 | 8 | 15 | 4 | 16 | 3.4 | 201.5 | 8.3 | 70.9 | 988.0 |
| 02/01/2022 | 12:30:00 - 12:45:00 | 18 | 8 | 15 | 4 | 16 | 2.6 | 195.8 | 9.5 | 67.9 | 987.8 |
| 02/01/2022 | 12:45:00 - 13:00:00 | 18 | 8 | 14 | 4 | 16 | 4.4 | 202.7 | 10.3 | 64.0 | 987.6 |
| 02/01/2022 | 13:00:00 - 13:15:00 | 18 | 11 | 14 | 4 | 16 | 6.0 | 204.9 | 11.0 | 62.9 | 987.4 |
| 02/01/2022 | 13:15:00 - 13:30:00 | 17 | 12 | 13 | 4 | 15 | 7.3 | 199.0 | 11.4 | 62.9 | 987.3 |
| 02/01/2022 | 13:30:00 - 13:45:00 | 17 | 7 | 13 | 5 | 15 | 6.8 | 211.5 | 11.3 | 63.9 | 987.1 |
| 02/01/2022 | 13:45:00 - 14:00:00 | 17 | 8 | 13 | 4 | 15 | 6.3 | 205.7 | 11.2 | 63.8 | 987.1 |
| 02/01/2022 | 14:00:00 - 14:15:00 | 18 | 7 | 14 | 4 | 16 | 4.6 | 203.9 | 11.2 | 64.4 | 987.1 |
| 02/01/2022 | 14:15:00 - 14:30:00 | 19 | 7 | 14 | 4 | 16 | 5.1 | 198.1 | 11.3 | 64.2 | 987.1 |
| 02/01/2022 | 14:30:00 - 14:45:00 | 18 | 7 | 14 | 4 | 16 | 6.0 | 202.9 | 11.4 | 64.2 | 987.1 |
| 02/01/2022 | 14:45:00 - 15:00:00 | 17 | 6 | 14 | 4 | 16 | 4.5 | 202.3 | 11.6 | 66.2 | 987.1 |
| 02/01/2022 | 15:00:00 - 15:15:00 | 16 | 6 | 13 | 3 | 14 | 5.2 | 203.3 | 11.8 | 66.6 | 987.1 |
| 02/01/2022 | 15:15:00 - 15:30:00 | 15 | 6 | 12 | 3 | 13 | 6.3 | 204.0 | 11.7 | 67.3 | 987.1 |
| 02/01/2022 | 15:30:00 - 15:45:00 | 16 | 5 | 13 | 3 | 13 | 6.1 | 203.0 | 11.5 | 68.9 | 987.2 |
| 02/01/2022 | 15:45:00 - 16:00:00 | 15 | 5 | 12 | 3 | 13 | 5.0 | 206.5 | 11.4 | 69.0 | 987.3 |
| 02/01/2022 | 16:00:00 - 16:15:00 | 15 | 5 | 12 | 3 | 13 | 3.9 | 205.5 | 11.2 | 70.1 | 987.6 |
| 02/01/2022 | 16:15:00 - 16:30:00 | 16 | 6 | 13 | 4 | 14 | 3.7 | 200.2 | 9.7 | 81.7 | 987.8 |
| 02/01/2022 | 16:30:00 - 16:45:00 | 17 | 6 | 14 | 4 | 16 | 2.7 | 202.4 | 9.1 | 84.3 | 987.8 |
| 02/01/2022 | 16:45:00 - 17:00:00 | Offline | 7 | Offline | 4 | 16 | 0.0 | 0.0 | 0.0 | 0.0 | 988.9 |
| 02/01/2022 | 17:00:00 - 17:15:00 | Offline | 7 | Offline | 4 | 17 | 0.0 | 0.0 | 0.0 | 0.0 | 988.9 |
| 02/01/2022 | 17:15:00 - 17:30:00 | Offline | 7 | Offline | 4 | 18 | 1.7 | 291.4 | 7.4 | 89.3 | 988.9 |
| 02/01/2022 | 17:30:00 - 17:45:00 | 26 | 8 | 19 | 5 | 19 | 1.6 | 292.5 | 7.4 | 96.5 | 988.9 |
| 02/01/2022 | 17:45:00 - 18:00:00 | 22 | 7 | 17 | 4 | 17 | 2.9 | 281.5 | 7.4 | 97.5 | 989.1 |
| 02/01/2022 | 18:00:00 - 18:15:00 | 22 | 7 | 17 | 4 | 18 | 2.1 | 289.8 | 7.2 | 97.8 | 989.2 |
| 02/01/2022 | 18:15:00 - 18:30:00 | 23 | 7 | 18 | 5 | 19 | 1.7 | 307.6 | 7.0 | 97.9 | 989.3 |
| 02/01/2022 | 18:30:00 - 18:45:00 | 27 | 9 | 21 | 6 | 22 | 2.0 | 322.6 | 6.9 | 98.3 | 989.5 |
| 02/01/2022 | 18:45:00 - 19:00:00 | 29 | 9 | 22 | 6 | 24 | 3.0 | 340.2 | 6.7 | 98.8 | 989.5 |
| 02/01/2022 | 19:00:00 - 19:15:00 | 29 | 9 | 22 | 6 | 24 | 4.1 | 358.5 | 6.0 | 98.4 | 989.8 |
| 02/01/2022 | 19:15:00 - 19:30:00 | 22 | 8 | 17 | 5 | 19 | 4.1 | 28.7 | 4.7 | 98.0 | 990.0 |
| 02/01/2022 | 19:30:00 - 19:45:00 | 19 | 7 | 15 | 4 | 16 | 4.1 | 18.5 | 4.0 | 99.0 | 990.1 |
| 02/01/2022 | 19:45:00 - 20:00:00 | 20 | 7 | 15 | 4 | 17 | 4.1 | 17.5 | 3.4 | 99.0 | 990.1 |
| 02/01/2022 | 20:00:00 - 20:15:00 | 25 | 8 | 19 | 5 | 21 | 4.4 | 22.1 | 2.9 | 99.8 | 990.0 |
| 02/01/2022 | 20:15:00 - 20:30:00 | 24 | 9 | 19 | 5 | 22 | 4.6 | 25.5 | 2.7 | 100.0 | 990.0 |
| 02/01/2022 | 20:30:00 - 20:45:00 | 24 | 8 | 18 | 5 | 21 | 3.6 | 21.4 | 2.5 | 100.0 | 990.0 |
| 02/01/2022 | 20:45:00 - 21:00:00 | 24 | 9 | 18 | 6 | 22 | 2.4 | 35.1 | 2.4 | 100.0 | 989.9 |
| 02/01/2022 | 21:00:00 - 21:15:00 | 21 | 8 | 17 | 5 | 20 | 3.8 | 36.6 | 2.4 | 100.0 | 989.9 |
| 02/01/2022 | 21:15:00 - 21:30:00 | 20 | 7 | 15 | 5 | 19 | 4.0 | 35.0 | 2.3 | 100.0 | 990.1 |
| 02/01/2022 | 21:30:00 - 21:45:00 | 20 | 7 | 16 | 5 | 19 | 18.1 | 124.9 | 2.1 | 100.0 | 990.1 |
| 02/01/2022 | 21:45:00 - 22:00:00 | 19 | 7 | 15 | 5 | 18 | 46.3 | 133.9 | 1.9 | 100.0 | 990.4 |
| 02/01/2022 | 22:00:00 - 22:15:00 | 18 | 7 | 14 | 4 | 16 | 46.1 | 134.2 | 1.5 | 100.0 | 990.3 |
| 02/01/2022 | 22:15:00 - 22:30:00 | 18 | 7 | 14 | 4 | 16 | 41.9 | 131.7 | 1.2 | 100.0 | 990.2 |
| 02/01/2022 | 22:30:00 - 22:45:00 | 19 | 7 | 15 | 5 | 18 | 4.6 | 57.6 | 1.2 | 100.0 | 990.0 |
| 02/01/2022 | 22:45:00 - 23:00:00 | 19 | 7 | 15 | 5 | 19 | 4.7 | 77.2 | 1.2 | 100.0 | 990.2 |
| 02/01/2022 | 23:00:00 - 23:15:00 | 20 | 8 | 16 | 5 | 19 | 2.6 | 74.2 | 1.3 | 100.0 | 990.3 |
| 02/01/2022 | 23:15:00 - 23:30:00 | 20 | 8 | 16 | 5 | 19 | 2.9 | 77.3 | 1.3 | 100.0 | 990.7 |
| 02/01/2022 | 23:30:00 - 23:45:00 | 22 | 8 | 17 | 5 | 21 | 2.1 | 35.2 | 1.1 | 100.0 | 991.0 |
| 02/02/2022 | 23:45:00 - 00:00:00 | 20 | 8 | 16 | 5 | 19 | 3.5 | 13.0 | 1.0 | 100.0 | 991.1 |
| 02/02/2022 | 00:00:00 - 00:15:00 | 20 | 8 | 16 | 5 | 19 | 4.8 | 1.6 | 0.7 | 100.0 | 991.1 |
| 02/02/2022 | 00:15:00 - 00:30:00 | 16 | 6 | 13 | 4 | 14 | 5.4 | 11.4 | 0.4 | 100.0 | 991.1 |
| 02/02/2022 | 00:30:00 - 00:45:00 | 12 | 5 | 10 | 3 | 11 | 5.4 | 9.4 | 0.1 | 100.0 | 991.0 |
| 02/02/2022 | 00:45:00 - 01:00:00 | 14 | 6 | 12 | 3 | 13 | 4.8 | 12.6 | -0.1 | 100.0 | 991.0 |
| 02/02/2022 | 01:00:00 - 01:15:00 | 13 | 5 | 11 | 3 | 13 | 4.5 | 351.9 | -0.2 | 100.0 | 991.1 |
| 02/02/2022 | 01:15:00 - 01:30:00 | 12 | 5 | 10 | 3 | 11 | 4.8 | 354.7 | -0.3 | 100.0 | 991.3 |
| 02/02/2022 | 01:30:00 - 01:45:00 | 12 | 5 | 10 | 3 | 11 | 3.6 | 21.7 | -0.4 | 100.0 | 991.4 |
| 02/02/2022 | 01:45:00 - 02:00:00 | 12 | 5 | 10 | 3 | 11 | 4.3 | 12.2 | -0.4 | 99.8 | 991.6 |
| 02/02/2022 | 02:00:00 - 02:15:00 | 12 | 5 | 11 | 3 | 11 | 5.4 | 31.4 | -0.5 | 99.0 | 991.6 |
| 02/02/2022 | 02:15:00 - 02:30:00 | 12 | 5 | 10 | 3 | 12 | 8.7 | 350.1 | -0.6 | 98.9 | 991.7 |
| 02/02/2022 | 02:30:00 - 02:45:00 | 11 | 5 | 10 | 3 | 11 | 47.8 | 324.8 | -1.0 | 98.1 | 991.5 |
| 02/02/2022 | 02:45:00 - 03:00:00 | 12 | 5 | 10 | 3 | 11 | 47.1 | 323.9 | -1.3 | 98.0 | 991.5 |
| 02/02/2022 | 03:00:00 - 03:15:00 | 12 | 5 | 10 | 3 | 11 | 45.4 | 324.0 | -1.5 | 98.0 | 991.4 |
| 02/02/2022 | 03:15:00 - 03:30:00 | 11 | 5 | 10 | 3 | 12 | 45.6 | 325.8 | -1.8 | 97.7 | 991.0 |
| 02/02/2022 | 03:30:00 - 03:45:00 | 11 | 5 | 10 | 3 | 12 | 45.2 | 324.6 | -2.1 | 98.0 | 990.9 |
| 02/02/2022 | 03:45:00 - 04:00:00 | 11 | 5 | 9 | 3 | 11 | 45.3 | 324.2 | -2.1 | 98.1 | 991.1 |
| 02/02/2022 | 04:00:00 - 04:15:00 | 11 | 5 | 10 | 3 | 12 | 45.1 | 323.1 | -2.1 | 99.0 | 991.3 |
| 02/02/2022 | 04:15:00 - 04:30:00 | 11 | 5 | 10 | 3 | 11 | 47.1 | 322.8 | -2.4 | 98.8 | 991.3 |
| 02/02/2022 | 04:30:00 - 04:45:00 | 11 | 5 | 10 | 3 | 11 | 46.4 | 323.8 | -2.5 | 99.0 | 991.2 |
| 02/02/2022 | 04:45:00 - 05:00:00 | 11 | 5 | 10 | 3 | 13 | 46.1 | 323.0 | -2.6 | 99.4 | 991.4 |
| 02/02/2022 | 05:00:00 - 05:15:00 | 12 | 5 | 10 | 3 | 13 | 45.6 | 323.5 | -2.7 | 100.0 | 991.4 |
| 02/02/2022 | 05:15:00 - 05:30:00 | 13 | 5 | 11 | 4 | 14 | 45.6 | 323.3 | -2.6 | 100.0 | 991.4 |
| 02/02/2022 | 05:30:00 - 05:45:00 | 13 | 6 | 11 | 4 | 14 | 46.1 | 322.4 | -2.7 | 100.0 | 991.4 |
| 02/02/2022 | 05:45:00 - 06:00:00 | 14 | 6 | 12 | 4 | 15 | 46.4 | 323.6 | -2.9 | 100.0 | 991.4 |
| 02/02/2022 | 06:00:00 - 06:15:00 | 14 | 6 | 12 | 3 | 14 | 47.5 | 323.0 | -3.2 | 99.3 | 991.5 |
| 02/02/2022 | 06:15:00 - 06:30:00 | 13 | 6 | 12 | 4 | 15 | 48.0 | 323.5 | -3.6 | 99.0 | 991.6 |
| 02/02/2022 | 06:30:00 - 06:45:00 | 13 | 6 | 11 | 3 | 14 | 47.3 | 323.7 | -3.7 | 99.0 | 991.6 |
| 02/02/2022 | 06:45:00 - 07:00:00 | 13 | 5 | 11 | 4 | 14 | 46.5 | 323.7 | -3.6 | 99.0 | 991.6 |
| 02/02/2022 | 07:00:00 - 07:15:00 | 13 | 6 | 12 | 3 | 14 | 46.3 | 323.0 | -3.5 | 99.3 | 991.8 |
| 02/02/2022 | 07:15:00 - 07:30:00 | 14 | 6 | 12 | 4 | 15 | 47.1 | 323.5 | -3.3 | 99.9 | 992.1 |
| 02/02/2022 | 07:30:00 - 07:45:00 | 16 | 7 | 13 | 4 | 17 | 47.5 | 322.8 | -3.2 | 100.0 | 992.4 |
| 02/02/2022 | 07:45:00 - 08:00:00 | 17 | 7 | 14 | 4 | 18 | 47.1 | 323.1 | -3.1 | 100.0 | 992.4 |
| 02/02/2022 | 08:00:00 - 08:15:00 | 17 | 7 | 14 | 4 | 18 | 47.1 | 323.9 | -3.2 | 100.0 | 992.3 |
| 02/02/2022 | 08:15:00 - 08:30:00 | 15 | 6 | 13 | 4 | 16 | 46.2 | 323.6 | -3.2 | 100.0 | 992.3 |
| 02/02/2022 | 08:30:00 - 08:45:00 | 13 | 6 | 13 | 4 | 15 | 45.3 | 325.0 | -3.1 | 100.0 | 992.5 |
| 02/02/2022 | 08:45:00 - 09:00:00 | 14 | 6 | 14 | 4 | 15 | 45.8 | 325.0 | -3.1 | 100.0 | 992.3 |
| 02/02/2022 | 09:00:00 - 09:15:00 | 15 | 6 | 14 | 4 | 16 | 46.0 | 324.2 | -3.1 | 100.0 | 992.1 |
| 02/02/2022 | 09:15:00 - 09:30:00 | 15 | 6 | 14 | 4 | 17 | 45.6 | 323.7 | -3.1 | 100.0 | 992.3 |
| 02/02/2022 | 09:30:00 - 09:45:00 | 15 | 6 | 14 | 4 | 16 | 46.2 | 322.6 | -3.0 | 100.0 | 992.4 |
| 02/02/2022 | 09:45:00 - 10:00:00 | 15 | 6 | 14 | 4 | 16 | 46.4 | 323.4 | -3.1 | 100.0 | 992.4 |
| 02/02/2022 | 10:00:00 - 10:15:00 | 15 | 6 | 14 | 4 | 16 | 46.5 | 323.7 | -3.2 | 100.0 | 992.4 |
| 02/02/2022 | 10:15:00 - 10:30:00 | 15 | 6 | 14 | 4 | 17 | 46.7 | 324.3 | -3.3 | 100.0 | 992.4 |
| 02/02/2022 | 10:30:00 - 10:45:00 | 15 | 6 | 14 | 4 | 16 | 46.9 | 323.6 | -3.4 | 100.0 | 992.6 |
| 02/02/2022 | 10:45:00 - 11:00:00 | 15 | 6 | 14 | 4 | 16 | 47.5 | 323.6 | -3.5 | 100.0 | 992.5 |
| 02/02/2022 | 11:00:00 - 11:15:00 | 13 | 6 | 14 | 4 | 15 | 47.4 | 323.3 | -3.6 | 99.7 | 992.8 |
| 02/02/2022 | 11:15:00 - 11:30:00 | 13 | 6 | 14 | 3 | 15 | 47.1 | 323.7 | -3.8 | 99.4 | 992.7 |
| 02/02/2022 | 11:30:00 - 11:45:00 | 14 | 6 | 14 | 4 | 15 | 47.2 | 323.3 | -4.3 | 99.0 | 992.6 |
| 02/02/2022 | 11:45:00 - 12:00:00 | 13 | 6 | 14 | 3 | 14 | 47.7 | 324.8 | -4.7 | 99.0 | 992.5 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 02/02/2022 | 12:00:00 - 12:15:00 | 13 | 6 | 14 | 4 | 15 | 48.2 | 324.8 | -5.0 | 98.6 | 992.5 |
| 02/02/2022 | 12:15:00 - 12:30:00 | 13 | 6 | 14 | 3 | 14 | 44.4 | 325.2 | -5.3 | 98.3 | 992.6 |
| 02/02/2022 | 12:30:00 - 12:45:00 | 12 | Offline | 14 | 3 | 13 | 7.4 | 21.7 | -5.7 | 98.0 | 992.5 |
| 02/02/2022 | 12:45:00 - 13:00:00 | 11 | Offline | 14 | 3 | 13 | 6.6 | 29.0 | -5.8 | 98.0 | 992.4 |
| 02/02/2022 | 13:00:00 - 13:15:00 | 11 | Offline | 14 | 3 | 13 | 7.1 | 13.6 | -6.0 | 97.8 | 992.4 |
| 02/02/2022 | 13:15:00 - 13:30:00 | 11 | 6 | 14 | 3 | 13 | 6.8 | 22.0 | -6.1 | 97.9 | 992.4 |
| 02/02/2022 | 13:30:00 - 13:45:00 | 11 | 6 | 14 | 3 | 13 | 7.3 | 17.5 | -6.2 | 97.9 | 992.5 |
| 02/02/2022 | 13:45:00 - 14:00:00 | 10 | 5 | 14 | 3 | 12 | 7.0 | 19.0 | -6.2 | 97.9 | 992.8 |
| 02/02/2022 | 14:00:00 - 14:15:00 | 10 | 5 | 14 | 3 | 12 | 7.1 | 17.7 | -6.4 | 97.9 | 992.9 |
| 02/02/2022 | 14:15:00 - 14:30:00 | 11 | 5 | 14 | 3 | 12 | 6.9 | 17.8 | -6.5 | 97.6 | 993.1 |
| 02/02/2022 | 14:30:00 - 14:45:00 | 10 | 5 | 14 | 3 | 11 | 5.7 | 14.8 | -6.5 | 98.0 | 993.2 |
| 02/02/2022 | 14:45:00 - 15:00:00 | 10 | 5 | 14 | 3 | 11 | 6.4 | 18.3 | -6.5 | 97.9 | 993.2 |
| 02/02/2022 | 15:00:00 - 15:15:00 | 10 | 5 | 14 | 3 | 11 | 7.1 | 15.0 | -6.6 | 97.9 | 993.2 |
| 02/02/2022 | 15:15:00 - 15:30:00 | 10 | 4 | 14 | 3 | 11 | 6.8 | 18.6 | -6.6 | 98.0 | 993.4 |
| 02/02/2022 | 15:30:00 - 15:45:00 | 9 | 4 | 14 | 2 | 10 | 6.5 | 15.2 | -6.7 | 97.5 | 993.6 |
| 02/02/2022 | 15:45:00 - 16:00:00 | 10 | 4 | 14 | 2 | 10 | 8.0 | 11.7 | -7.0 | 97.0 | 993.8 |
| 02/02/2022 | 16:00:00 - 16:15:00 | 10 | 4 | 14 | 2 | 11 | 8.3 | 5.4 | -7.2 | 97.0 | 993.8 |
| 02/02/2022 | 16:15:00 - 16:30:00 | 10 | 4 | 14 | 2 | 11 | 8.0 | 7.8 | -7.4 | 97.0 | 994.0 |
| 02/02/2022 | 16:30:00 - 16:45:00 | 9 | 4 | 14 | 2 | 10 | 6.7 | 4.0 | -7.6 | 97.0 | 994.3 |
| 02/02/2022 | 16:45:00 - 17:00:00 | 10 | 4 | 14 | 2 | 11 | 7.6 | 2.6 | -7.8 | 97.0 | 994.7 |
| 02/02/2022 | 17:00:00 - 17:15:00 | 9 | 4 | 14 | 2 | 10 | 6.8 | 11.8 | -7.8 | 97.0 | 994.6 |
| 02/02/2022 | 17:15:00 - 17:30:00 | 9 | 4 | 14 | 2 | 10 | 7.5 | 5.2 | -7.8 | 97.0 | 994.9 |
| 02/02/2022 | 17:30:00 - 17:45:00 | 9 | 4 | 14 | 2 | 10 | 6.7 | 5.8 | -7.8 | 97.0 | 995.6 |
| 02/02/2022 | 17:45:00 - 18:00:00 | 9 | 4 | 14 | 2 | 9 | 6.8 | 7.4 | -7.8 | 97.0 | 996.1 |
| 02/02/2022 | 18:00:00 - 18:15:00 | 9 | 4 | 14 | 2 | 10 | 7.2 | 7.9 | -7.9 | 97.0 | 996.2 |
| 02/02/2022 | 18:15:00 - 18:30:00 | 9 | 4 | 14 | 2 | 9 | 6.7 | 9.6 | -8.0 | 96.9 | 996.6 |
| 02/02/2022 | 18:30:00 - 18:45:00 | 9 | 4 | 14 | 2 | 9 | 6.1 | 10.3 | -8.1 | 97.0 | 996.5 |
| 02/02/2022 | 18:45:00 - 19:00:00 | 9 | 4 | 14 | 2 | 10 | 7.2 | 8.3 | -8.1 | 96.9 | 996.6 |
| 02/02/2022 | 19:00:00 - 19:15:00 | 10 | 4 | 14 | 2 | 10 | 6.3 | 14.9 | -8.1 | 96.4 | 996.7 |
| 02/02/2022 | 19:15:00 - 19:30:00 | 9 | 4 | 14 | 2 | 10 | 6.9 | 15.1 | -8.1 | 96.0 | 996.8 |
| 02/02/2022 | 19:30:00 - 19:45:00 | 9 | 4 | 14 | 2 | 10 | 6.1 | 11.5 | -8.2 | 96.0 | 997.2 |
| 02/02/2022 | 19:45:00 - 20:00:00 | 9 | 4 | 14 | 2 | 9 | 5.8 | 13.6 | -8.1 | 96.0 | 997.3 |
| 02/02/2022 | 20:00:00 - 20:15:00 | 9 | 4 | 14 | 2 | 9 | 5.3 | 16.2 | -8.0 | 95.9 | 997.4 |
| 02/02/2022 | 20:15:00 - 20:30:00 | 9 | 4 | 14 | 2 | 9 | 6.5 | 6.9 | -8.0 | 95.0 | 997.4 |
| 02/02/2022 | 20:30:00 - 20:45:00 | 9 | 4 | 14 | 2 | 10 | 5.4 | 17.6 | -8.0 | 95.0 | 997.5 |
| 02/02/2022 | 20:45:00 - 21:00:00 | 9 | 4 | 14 | 2 | 10 | 5.1 | 13.2 | -8.0 | 94.0 | 997.7 |
| 02/02/2022 | 21:00:00 - 21:15:00 | 8 | 4 | 14 | 2 | 9 | 5.0 | 20.2 | -8.0 | 93.3 | 997.5 |
| 02/02/2022 | 21:15:00 - 21:30:00 | 8 | 4 | 14 | 2 | 9 | 5.5 | 15.1 | -8.0 | 93.0 | 997.4 |
| 02/02/2022 | 21:30:00 - 21:45:00 | 9 | 4 | 14 | 2 | 9 | 6.4 | 11.9 | -8.0 | 92.0 | 997.6 |
| 02/02/2022 | 21:45:00 - 22:00:00 | 8 | 4 | 14 | 2 | 9 | 5.4 | 19.3 | -8.1 | 91.1 | 997.8 |
| 02/02/2022 | 22:00:00 - 22:15:00 | 8 | 4 | 14 | 2 | 9 | 6.4 | 14.8 | -8.2 | 90.4 | 998.0 |
| 02/02/2022 | 22:15:00 - 22:30:00 | 8 | 4 | 14 | 2 | 8 | 5.7 | 16.8 | -8.3 | 90.0 | 998.1 |
| 02/02/2022 | 22:30:00 - 22:45:00 | 7 | 4 | 14 | 2 | 9 | 4.9 | 18.2 | -8.2 | 90.5 | 998.1 |
| 02/02/2022 | 22:45:00 - 23:00:00 | 8 | 4 | 14 | 2 | 8 | 5.5 | 16.6 | -8.2 | 90.0 | 998.1 |
| 02/02/2022 | 23:00:00 - 23:15:00 | 8 | 4 | 14 | 2 | 9 | 6.0 | 15.8 | -8.2 | 90.0 | 998.0 |
| 02/02/2022 | 23:15:00 - 23:30:00 | 8 | 4 | 14 | 2 | 9 | 6.0 | 10.7 | -8.3 | 89.6 | 998.1 |
| 02/02/2022 | 23:30:00 - 23:45:00 | 8 | 4 | 14 | 2 | 9 | 6.0 | 18.5 | -8.3 | 89.2 | 998.1 |
| 02/03/2022 | 23:45:00 - 00:00:00 | 8 | 4 | 14 | 2 | 9 | 5.9 | 14.9 | -8.2 | 89.0 | 998.2 |
| 02/03/2022 | 00:00:00 - 00:15:00 | 9 | 4 | 14 | 2 | 9 | 6.1 | 12.7 | -8.4 | 89.0 | 998.1 |
| 02/03/2022 | 00:15:00 - 00:30:00 | 8 | 4 | 14 | 2 | 9 | 6.0 | 12.7 | -8.5 | 89.1 | 997.9 |
| 02/03/2022 | 00:30:00 - 00:45:00 | 8 | 4 | 14 | 2 | 9 | 5.9 | 17.3 | -8.5 | 89.0 | 997.7 |
| 02/03/2022 | 00:45:00 - 01:00:00 | 9 | 4 | 14 | 2 | 9 | 6.2 | 16.6 | -8.5 | 89.1 | 997.7 |
| 02/03/2022 | 01:00:00 - 01:15:00 | 9 | 4 | 14 | 2 | 10 | 5.6 | 17.7 | -8.5 | 89.6 | 997.9 |
| 02/03/2022 | 01:15:00 - 01:30:00 | 9 | 4 | 14 | 2 | 9 | 5.9 | 14.5 | -8.6 | 89.0 | 998.2 |
| 02/03/2022 | 01:30:00 - 01:45:00 | 9 | 4 | 14 | 2 | 10 | 5.9 | 18.9 | -8.6 | 89.0 | 998.5 |
| 02/03/2022 | 01:45:00 - 02:00:00 | 9 | 4 | 14 | 2 | 9 | 6.4 | 10.8 | -8.6 | 89.2 | 998.7 |
| 02/03/2022 | 02:00:00 - 02:15:00 | 8 | 4 | 14 | 2 | 9 | 6.2 | 16.6 | -8.8 | 90.0 | 998.8 |
| 02/03/2022 | 02:15:00 - 02:30:00 | 8 | 4 | 14 | 2 | 9 | 5.7 | 16.0 | -8.9 | 91.0 | 999.2 |
| 02/03/2022 | 02:30:00 - 02:45:00 | 8 | 4 | 14 | 2 | 9 | 6.8 | 9.0 | -9.0 | 91.8 | 999.1 |
| 02/03/2022 | 02:45:00 - 03:00:00 | 8 | 4 | 14 | 2 | 8 | 5.8 | 9.7 | -9.1 | 92.7 | 999.0 |
| 02/03/2022 | 03:00:00 - 03:15:00 | 8 | 4 | 14 | 2 | 9 | 5.6 | 8.1 | -9.1 | 93.0 | 998.9 |
| 02/03/2022 | 03:15:00 - 03:30:00 | 8 | 4 | 14 | 2 | 9 | 6.4 | 17.2 | -9.0 | 94.0 | 998.6 |
| 02/03/2022 | 03:30:00 - 03:45:00 | 9 | 4 | 14 | Offline | 10 | 5.1 | 15.4 | -9.0 | 94.0 | 998.6 |
| 02/03/2022 | 03:45:00 - 04:00:00 | 9 | 4 | 14 | Offline | 10 | 5.0 | 18.5 | -8.8 | 94.0 | 998.7 |
| 02/03/2022 | 04:00:00 - 04:15:00 | 9 | 4 | 14 | Offline | 10 | 5.4 | 25.1 | -8.8 | 94.4 | 998.7 |
| 02/03/2022 | 04:15:00 - 04:30:00 | 9 | 4 | 14 | Offline | 11 | 4.8 | 17.7 | -8.8 | 95.0 | 998.8 |
| 02/03/2022 | 04:30:00 - 04:45:00 | 9 | 4 | 14 | Offline | 10 | 4.6 | 21.8 | -8.7 | 95.0 | 998.8 |
| 02/03/2022 | 04:45:00 - 05:00:00 | 9 | 4 | 14 | Offline | 10 | 4.6 | 23.1 | -8.6 | 95.0 | 998.9 |
| 02/03/2022 | 05:00:00 - 05:15:00 | 9 | 4 | 14 | Offline | 11 | 4.7 | 23.0 | -8.4 | 95.0 | 999.0 |
| 02/03/2022 | 05:15:00 - 05:30:00 | 9 | 4 | 14 | Offline | 10 | 5.5 | 27.8 | -8.4 | 95.0 | 998.8 |
| 02/03/2022 | 05:30:00 - 05:45:00 | 7 | 4 | 14 | Offline | 9 | 6.2 | 26.7 | -8.4 | 95.0 | 999.1 |
| 02/03/2022 | 05:45:00 - 06:00:00 | 7 | 4 | 14 | Offline | 9 | 6.0 | 24.5 | -8.4 | 95.0 | 999.4 |
| 02/03/2022 | 06:00:00 - 06:15:00 | 7 | 4 | 14 | Offline | 9 | 5.4 | 29.7 | -8.3 | 95.0 | 999.9 |
| 02/03/2022 | 06:15:00 - 06:30:00 | 7 | 4 | 14 | Offline | 9 | 5.4 | 25.7 | -8.2 | 95.0 | 999.6 |
| 02/03/2022 | 06:30:00 - 06:45:00 | 7 | 4 | 14 | Offline | 9 | 4.6 | 33.5 | -8.1 | 95.2 | 999.6 |
| 02/03/2022 | 06:45:00 - 07:00:00 | 7 | 4 | 14 | Offline | 9 | 5.3 | 30.7 | -8.0 | 95.9 | 999.5 |
| 02/03/2022 | 07:00:00 - 07:15:00 | 9 | 4 | 14 | Offline | 9 | 4.2 | 37.0 | -7.9 | 96.0 | 999.4 |
| 02/03/2022 | 07:15:00 - 07:30:00 | 7 | 4 | 14 | Offline | 9 | 3.5 | 43.8 | -7.7 | 96.0 | 999.4 |
| 02/03/2022 | 07:30:00 - 07:45:00 | 7 | 4 | 14 | 4 | 9 | 3.8 | 41.4 | -7.5 | 96.0 | 999.6 |
| 02/03/2022 | 07:45:00 - 08:00:00 | 7 | 4 | 14 | 3 | 9 | 4.2 | 40.3 | -7.4 | 96.0 | 999.5 |
| 02/03/2022 | 08:00:00 - 08:15:00 | 7 | 4 | 14 | 3 | 9 | 5.1 | 32.6 | -7.3 | 96.0 | 999.6 |
| 02/03/2022 | 08:15:00 - 08:30:00 | 7 | 4 | 14 | 3 | 9 | 4.6 | 32.8 | -7.2 | 96.0 | 999.8 |
| 02/03/2022 | 08:30:00 - 08:45:00 | 7 | 4 | 14 | 3 | 9 | 4.4 | 38.2 | -7.0 | 96.0 | 999.9 |
| 02/03/2022 | 08:45:00 - 09:00:00 | 7 | 4 | 14 | 3 | 9 | 6.0 | 46.8 | -6.8 | 96.0 | 1000.0 |
| 02/03/2022 | 09:00:00 - 09:15:00 | 6 | 3 | 14 | 3 | 8 | 6.3 | 46.2 | -6.6 | 96.0 | 999.7 |
| 02/03/2022 | 09:15:00 - 09:30:00 | 5 | 3 | 14 | 3 | 6 | 6.9 | 57.6 | -6.4 | 96.0 | 999.5 |
| 02/03/2022 | 09:30:00 - 09:45:00 | 3 | 2 | 14 | 2 | 4 | 9.5 | 57.7 | -6.6 | 95.9 | 999.5 |
| 02/03/2022 | 09:45:00 - 10:00:00 | 2 | 2 | 14 | 2 | 4 | 9.0 | 50.8 | -6.7 | 95.4 | 999.5 |
| 02/03/2022 | 10:00:00 - 10:15:00 | 3 | 2 | 14 | 2 | 4 | 8.3 | 52.1 | -6.7 | 95.0 | 999.3 |
| 02/03/2022 | 10:15:00 - 10:30:00 | 3 | 2 | 14 | 2 | 4 | 8.4 | 61.8 | -6.8 | 95.0 | 999.5 |
| 02/03/2022 | 10:30:00 - 10:45:00 | 3 | 2 | 14 | 2 | 4 | 7.8 | 48.9 | -6.8 | 95.0 | 999.7 |
| 02/03/2022 | 10:45:00 - 11:00:00 | 3 | 2 | 14 | 2 | 4 | 7.6 | 42.7 | -6.7 | 95.0 | 999.7 |
| 02/03/2022 | 11:00:00 - 11:15:00 | 2 | 2 | 14 | 2 | 4 | 6.9 | 42.6 | -6.7 | 95.0 | 999.8 |
| 02/03/2022 | 11:15:00 - 11:30:00 | 2 | 2 | 14 | 1 | 4 | 8.7 | 56.9 | -6.9 | 95.0 | 999.4 |
| 02/03/2022 | 11:30:00 - 11:45:00 | 2 | 2 | 14 | 2 | 4 | 6.6 | 48.7 | -6.8 | 95.1 | 999.1 |
| 02/03/2022 | 11:45:00 - 12:00:00 | 3 | 2 | 14 | 2 | 4 | 7.7 | 47.2 | -6.8 | 95.0 | 998.8 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 02/03/2022 | 12:00:00 - 12:15:00 | 3 | 2 | 14 | 2 | 5 | 7.4 | 46.1 | -6.7 | 95.2 | 998.7 |
| 02/03/2022 | 12:15:00 - 12:30:00 | 3 | 3 | 14 | 2 | 5 | 7.0 | 42.2 | -6.5 | 95.1 | 998.7 |
| 02/03/2022 | 12:30:00 - 12:45:00 | 4 | 2 | 14 | 2 | 5 | 5.9 | 39.5 | -6.3 | 95.3 | 998.6 |
| 02/03/2022 | 12:45:00 - 13:00:00 | 3 | 2 | 14 | 2 | 5 | 6.5 | 45.1 | -6.3 | 95.3 | 998.5 |
| 02/03/2022 | 13:00:00 - 13:15:00 | 3 | 2 | 14 | 2 | 4 | 6.2 | 44.7 | -6.3 | 96.0 | 997.9 |
| 02/03/2022 | 13:15:00 - 13:30:00 | 3 | 2 | 14 | 2 | 5 | 6.8 | 37.1 | -6.3 | 95.4 | 998.1 |
| 02/03/2022 | 13:30:00 - 13:45:00 | 3 | 2 | 14 | 2 | 5 | 7.2 | 39.7 | -6.4 | 95.0 | 998.1 |
| 02/03/2022 | 13:45:00 - 14:00:00 | 2 | 2 | 14 | 2 | 4 | 6.2 | 36.2 | -6.2 | 94.8 | 998.0 |
| 02/03/2022 | 14:00:00 - 14:15:00 | 2 | 2 | 14 | 2 | 4 | 5.9 | 30.4 | -6.2 | 94.4 | 998.0 |
| 02/03/2022 | 14:15:00 - 14:30:00 | 2 | 2 | 14 | 2 | 4 | 6.5 | 39.5 | -6.2 | 94.8 | 997.9 |
| 02/03/2022 | 14:30:00 - 14:45:00 | 2 | 2 | 14 | 2 | 4 | 7.1 | 42.2 | -6.3 | 95.0 | 997.7 |
| 02/03/2022 | 14:45:00 - 15:00:00 | 3 | 2 | 14 | 2 | 4 | 7.0 | 43.3 | -6.2 | 95.3 | 997.6 |
| 02/03/2022 | 15:00:00 - 15:15:00 | 3 | 2 | 14 | 2 | 5 | 7.2 | 39.1 | -6.2 | 95.3 | 997.5 |
| 02/03/2022 | 15:15:00 - 15:30:00 | 3 | 2 | 14 | 2 | 5 | 5.9 | 41.6 | -6.1 | 95.0 | 997.8 |
| 02/03/2022 | 15:30:00 - 15:45:00 | 3 | 2 | 14 | 2 | 5 | 6.4 | 42.9 | -6.1 | 94.9 | 997.9 |
| 02/03/2022 | 15:45:00 - 16:00:00 | 3 | 2 | 14 | 2 | 5 | 6.6 | 43.1 | -6.0 | 93.9 | 998.4 |
| 02/03/2022 | 16:00:00 - 16:15:00 | 3 | 2 | 14 | 2 | 4 | 6.7 | 36.5 | -6.0 | 93.1 | 998.4 |
| 02/03/2022 | 16:15:00 - 16:30:00 | 3 | 2 | 14 | 2 | 5 | 5.6 | 34.0 | -5.9 | 93.1 | 998.6 |
| 02/03/2022 | 16:30:00 - 16:45:00 | 3 | 2 | 14 | 2 | 5 | 5.5 | 37.4 | -5.9 | 92.6 | 998.7 |
| 02/03/2022 | 16:45:00 - 17:00:00 | 3 | 2 | 14 | 2 | 5 | 5.3 | 32.5 | -5.9 | 91.9 | 999.0 |
| 02/03/2022 | 17:00:00 - 17:15:00 | 3 | 2 | 14 | 2 | 5 | 5.8 | 32.7 | -5.9 | 91.0 | 998.9 |
| 02/03/2022 | 17:15:00 - 17:30:00 | 3 | 2 | 7 | 2 | 5 | 5.8 | 39.6 | -5.9 | 90.3 | 998.9 |
| 02/03/2022 | 17:30:00 - 17:45:00 | 3 | 3 | 5 | 2 | 5 | 5.7 | 36.1 | -5.9 | 89.9 | 998.9 |
| 02/03/2022 | 17:45:00 - 18:00:00 | 3 | 3 | 5 | 2 | 5 | 5.5 | 37.8 | -5.9 | 89.1 | 999.0 |
| 02/03/2022 | 18:00:00 - 18:15:00 | 3 | 3 | 5 | 2 | 5 | 6.7 | 37.7 | -6.0 | 89.2 | 999.1 |
| 02/03/2022 | 18:15:00 - 18:30:00 | 3 | 3 | 5 | 2 | 5 | 6.9 | 45.2 | -6.1 | 90.0 | 999.2 |
| 02/03/2022 | 18:30:00 - 18:45:00 | 4 | 3 | 5 | 2 | 5 | 7.6 | 47.4 | -6.1 | 89.3 | 999.4 |
| 02/03/2022 | 18:45:00 - 19:00:00 | 4 | 3 | 5 | 3 | 6 | 6.5 | 45.6 | -6.1 | 89.0 | 999.6 |
| 02/03/2022 | 19:00:00 - 19:15:00 | 4 | 3 | 6 | 3 | 6 | 6.6 | 47.2 | -6.1 | 89.0 | 999.6 |
| 02/03/2022 | 19:15:00 - 19:30:00 | 4 | 3 | 5 | 3 | 6 | 5.8 | 42.5 | -6.2 | 89.0 | 999.7 |
| 02/03/2022 | 19:30:00 - 19:45:00 | 4 | 3 | 6 | 3 | 6 | 5.3 | 46.5 | -6.2 | 88.6 | 999.4 |
| 02/03/2022 | 19:45:00 - 20:00:00 | 4 | 3 | 6 | 3 | 6 | 4.9 | 44.5 | -6.3 | 88.0 | 999.5 |
| 02/03/2022 | 20:00:00 - 20:15:00 | 4 | 3 | 6 | 3 | 6 | 5.5 | 46.6 | -6.4 | 87.5 | 999.4 |
| 02/03/2022 | 20:15:00 - 20:30:00 | 4 | 3 | 5 | 3 | 6 | 3.9 | 35.6 | -6.4 | 86.5 | 999.9 |
| 02/03/2022 | 20:30:00 - 20:45:00 | 4 | Offline | 5 | 4 | 6 | 4.0 | 32.0 | -6.4 | 85.5 | 999.7 |
| 02/03/2022 | 20:45:00 - 21:00:00 | 4 | Offline | 5 | 3 | 6 | 4.2 | 30.9 | -6.5 | 85.0 | 999.8 |
| 02/03/2022 | 21:00:00 - 21:15:00 | 4 | Offline | 5 | 3 | 7 | 4.4 | 23.5 | -6.7 | 85.0 | 999.6 |
| 02/03/2022 | 21:15:00 - 21:30:00 | 4 | Offline | 5 | 2 | 7 | 4.3 | 25.4 | -7.0 | 85.0 | 999.5 |
| 02/03/2022 | 21:30:00 - 21:45:00 | 4 | Offline | 6 | 2 | 8 | 4.2 | 15.9 | -7.3 | 85.1 | 999.6 |
| 02/03/2022 | 21:45:00 - 22:00:00 | 4 | Offline | 6 | 2 | 8 | 4.1 | 24.4 | -7.5 | 86.0 | 999.5 |
| 02/03/2022 | 22:00:00 - 22:15:00 | 4 | Offline | 6 | 2 | 7 | 3.1 | 23.1 | -7.8 | 86.0 | 999.5 |
| 02/03/2022 | 22:15:00 - 22:30:00 | 5 | Offline | 6 | 2 | 8 | 2.9 | 20.1 | -8.1 | 86.8 | 999.5 |
| 02/03/2022 | 22:30:00 - 22:45:00 | 6 | Offline | 7 | 2 | 10 | 3.0 | 8.7 | -8.6 | 87.4 | 999.5 |
| 02/03/2022 | 22:45:00 - 23:00:00 | 10 | Offline | 10 | 2 | 9 | 2.8 | 1.5 | -9.1 | 88.5 | 999.8 |
| 02/03/2022 | 23:00:00 - 23:15:00 | 8 | Offline | 8 | 2 | 8 | 2.8 | 359.4 | -9.5 | 89.4 | 999.8 |
| 02/03/2022 | 23:15:00 - 23:30:00 | 11 | Offline | 10 | 2 | 9 | 2.9 | 357.1 | -9.8 | 90.1 | 999.9 |
| 02/03/2022 | 23:30:00 - 23:45:00 | 13 | Offline | 12 | 2 | 10 | 3.2 | 356.7 | -9.9 | 90.9 | 999.8 |
| 02/04/2022 | 23:45:00 - 00:00:00 | 12 | Offline | 11 | 2 | 11 | 3.1 | 11.6 | -9.8 | 90.4 | 999.9 |
| 02/04/2022 | 00:00:00 - 00:15:00 | 10 | Offline | 9 | 2 | 12 | 3.4 | 20.5 | -9.9 | 90.0 | 999.9 |
| 02/04/2022 | 00:15:00 - 00:30:00 | 9 | Offline | 9 | 4 | 13 | 3.1 | 11.3 | -10.1 | 89.9 | 999.9 |
| 02/04/2022 | 00:30:00 - 00:45:00 | 10 | Offline | 9 | 3 | 12 | 2.7 | 19.2 | -10.5 | 90.0 | 1000.1 |
| 02/04/2022 | 00:45:00 - 01:00:00 | 10 | Offline | 10 | 3 | 14 | 2.2 | 22.9 | -10.7 | 90.1 | 1000.1 |
| 02/04/2022 | 01:00:00 - 01:15:00 | 11 | Offline | 10 | 3 | 14 | 3.6 | 18.9 | -10.5 | 89.9 | 1000.0 |
| 02/04/2022 | 01:15:00 - 01:30:00 | 10 | Offline | 10 | 3 | 14 | 3.2 | 20.0 | -10.4 | 89.0 | 999.9 |
| 02/04/2022 | 01:30:00 - 01:45:00 | 9 | Offline | 9 | 2 | 12 | 3.1 | 3.2 | -10.9 | 88.7 | 1000.0 |
| 02/04/2022 | 01:45:00 - 02:00:00 | 10 | Offline | 10 | 2 | 10 | 3.4 | 357.8 | -11.5 | 89.9 | 1000.2 |
| 02/04/2022 | 02:00:00 - 02:15:00 | 11 | Offline | 10 | 2 | 10 | 3.0 | 357.5 | -11.7 | 90.9 | 1000.3 |
| 02/04/2022 | 02:15:00 - 02:30:00 | 11 | Offline | 10 | 2 | 10 | 3.0 | 13.2 | -11.6 | 90.9 | 1000.4 |
| 02/04/2022 | 02:30:00 - 02:45:00 | 11 | Offline | 10 | 3 | 11 | 3.0 | 15.1 | -11.4 | 90.0 | 1000.4 |
| 02/04/2022 | 02:45:00 - 03:00:00 | 11 | Offline | 10 | 3 | 12 | 2.6 | 1.5 | -11.6 | 90.0 | 1000.4 |
| 02/04/2022 | 03:00:00 - 03:15:00 | 13 | Offline | 11 | 3 | 12 | 2.8 | 0.8 | -11.8 | 90.5 | 1000.4 |
| 02/04/2022 | 03:15:00 - 03:30:00 | 13 | Offline | 11 | 3 | 11 | 3.6 | 351.2 | -12.0 | 91.0 | 1000.6 |
| 02/04/2022 | 03:30:00 - 03:45:00 | 13 | Offline | 11 | 3 | 12 | 3.8 | 347.9 | -12.2 | 91.4 | 1000.5 |
| 02/04/2022 | 03:45:00 - 04:00:00 | 14 | Offline | 12 | 3 | 11 | 3.7 | 348.1 | -12.1 | 91.9 | 1000.7 |
| 02/04/2022 | 04:00:00 - 04:15:00 | 13 | Offline | 11 | 3 | 12 | 4.3 | 342.8 | -11.7 | 91.8 | 1001.1 |
| 02/04/2022 | 04:15:00 - 04:30:00 | 13 | Offline | 12 | 3 | 12 | 4.1 | 344.9 | -11.6 | 91.6 | 1001.2 |
| 02/04/2022 | 04:30:00 - 04:45:00 | 13 | Offline | 12 | 3 | 12 | 4.0 | 354.8 | -11.6 | 90.9 | 1001.3 |
| 02/04/2022 | 04:45:00 - 05:00:00 | 13 | Offline | 11 | 3 | 11 | 3.9 | 348.8 | -11.6 | 90.6 | 1001.5 |
| 02/04/2022 | 05:00:00 - 05:15:00 | 12 | Offline | 11 | 3 | 11 | 4.5 | 350.0 | -11.6 | 90.0 | 1001.6 |
| 02/04/2022 | 05:15:00 - 05:30:00 | 13 | Offline | 12 | 3 | 11 | 4.0 | 355.0 | -11.5 | 90.0 | 1001.7 |
| 02/04/2022 | 05:30:00 - 05:45:00 | 13 | Offline | 11 | 3 | 11 | 4.0 | 346.1 | -11.5 | 90.0 | 1001.6 |
| 02/04/2022 | 05:45:00 - 06:00:00 | 13 | Offline | 12 | 3 | 11 | 3.9 | 341.9 | -11.5 | 90.0 | 1001.6 |
| 02/04/2022 | 06:00:00 - 06:15:00 | 12 | Offline | 11 | 3 | 11 | 3.9 | 335.3 | -11.5 | 90.0 | 1001.7 |
| 02/04/2022 | 06:15:00 - 06:30:00 | 11 | Offline | 11 | 3 | 11 | 4.1 | 334.3 | -11.5 | 90.0 | 1001.7 |
| 02/04/2022 | 06:30:00 - 06:45:00 | 12 | Offline | 11 | 3 | 11 | 4.5 | 335.2 | -11.6 | 89.5 | 1002.0 |
| 02/04/2022 | 06:45:00 - 07:00:00 | 12 | Offline | 11 | 3 | 11 | 4.6 | 342.8 | -11.6 | 89.0 | 1001.8 |
| 02/04/2022 | 07:00:00 - 07:15:00 | 12 | Offline | 11 | 3 | 11 | 5.3 | 338.6 | -11.7 | 89.0 | 1002.0 |
| 02/04/2022 | 07:15:00 - 07:30:00 | 12 | 7 | 11 | 3 | 11 | 4.0 | 342.4 | -11.7 | 88.2 | 1002.0 |
| 02/04/2022 | 07:30:00 - 07:45:00 | 12 | 6 | 11 | 3 | 11 | 4.7 | 336.8 | -11.5 | 88.0 | 1002.0 |
| 02/04/2022 | 07:45:00 - 08:00:00 | 12 | 6 | 11 | 3 | 11 | 4.0 | 343.6 | -11.4 | 87.7 | 1001.9 |
| 02/04/2022 | 08:00:00 - 08:15:00 | 14 | 5 | 12 | 3 | 11 | 2.8 | 359.7 | -10.9 | 86.8 | 1001.7 |
| 02/04/2022 | 08:15:00 - 08:30:00 | 13 | 5 | 11 | 3 | 13 | 3.8 | 357.2 | -10.8 | 86.0 | 1001.6 |
| 02/04/2022 | 08:30:00 - 08:45:00 | 12 | 5 | 11 | 3 | 13 | 3.6 | 355.7 | -10.5 | 85.3 | 1001.5 |
| 02/04/2022 | 08:45:00 - 09:00:00 | 13 | 5 | 11 | 3 | 12 | 4.1 | 348.4 | -10.3 | 84.7 | 1001.5 |
| 02/04/2022 | 09:00:00 - 09:15:00 | 14 | 5 | 12 | 3 | 12 | 3.0 | 353.1 | -10.0 | 84.4 | 1001.4 |
| 02/04/2022 | 09:15:00 - 09:30:00 | 14 | 5 | 12 | 3 | 13 | 2.8 | 13.1 | -8.9 | 80.9 | 1001.2 |
| 02/04/2022 | 09:30:00 - 09:45:00 | 13 | 5 | 11 | 3 | 14 | 3.7 | 344.7 | -9.3 | 80.6 | 1001.3 |
| 02/04/2022 | 09:45:00 - 10:00:00 | 13 | 5 | 12 | 3 | 12 | 2.5 | 347.8 | -8.4 | 79.5 | 1001.3 |
| 02/04/2022 | 10:00:00 - 10:15:00 | 14 | 5 | 12 | 3 | 13 | 2.3 | 354.7 | -8.3 | 79.2 | 1001.6 |
| 02/04/2022 | 10:15:00 - 10:30:00 | 14 | 6 | 12 | 3 | 14 | 2.7 | 347.2 | -7.7 | 77.9 | 1001.6 |
| 02/04/2022 | 10:30:00 - 10:45:00 | 15 | 6 | 13 | 3 | 14 | 3.0 | 349.8 | -7.4 | 77.9 | 1001.7 |
| 02/04/2022 | 10:45:00 - 11:00:00 | 15 | 6 | 13 | 3 | 14 | 2.1 | 352.8 | -6.9 | 76.6 | 1001.5 |
| 02/04/2022 | 11:00:00 - 11:15:00 | 15 | 6 | 13 | 3 | 15 | 1.0 | 14.9 | -5.7 | 75.5 | 1001.2 |
| 02/04/2022 | 11:15:00 - 11:30:00 | 15 | 6 | 13 | 4 | 15 | 1.0 | 348.9 | -3.3 | 67.0 | 1001.1 |
| 02/04/2022 | 11:30:00 - 11:45:00 | 15 | 5 | 12 | 3 | 13 | 1.9 | 339.6 | -4.6 | 69.3 | 1001.0 |
| 02/04/2022 | 11:45:00 - 12:00:00 | 13 | 5 | 11 | 3 | 12 | 2.8 | 336.3 | -4.6 | 69.7 | 1000.8 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 02/04/2022 | 12:00:00 - 12:15:00 | 14 | 5 | 11 | 3 | 12 | 3.7 | 320.1 | -5.2 | 72.3 | 1000.6 |
| 02/04/2022 | 12:15:00 - 12:30:00 | 13 | 5 | 11 | 3 | 12 | 4.2 | 294.1 | -5.3 | 73.2 | 1000.4 |
| 02/04/2022 | 12:30:00 - 12:45:00 | 13 | 5 | 11 | 3 | 11 | 3.4 | 289.6 | -5.2 | 73.6 | 1000.0 |
| 02/04/2022 | 12:45:00 - 13:00:00 | 13 | 5 | 11 | 3 | 12 | 3.8 | 286.0 | -4.9 | 73.1 | 999.9 |
| 02/04/2022 | 13:00:00 - 13:15:00 | 14 | 5 | 11 | 3 | 12 | 3.9 | 292.4 | -4.8 | 73.1 | 999.8 |
| 02/04/2022 | 13:15:00 - 13:30:00 | 14 | 5 | 11 | 3 | 11 | 3.9 | 316.0 | -4.9 | 73.3 | 999.8 |
| 02/04/2022 | 13:30:00 - 13:45:00 | 13 | 5 | 10 | 3 | 10 | 3.8 | 293.6 | -4.6 | 71.9 | 999.7 |
| 02/04/2022 | 13:45:00 - 14:00:00 | 12 | 5 | 10 | 3 | 10 | 2.8 | 232.9 | -4.2 | 71.1 | 999.8 |
| 02/04/2022 | 14:00:00 - 14:15:00 | 11 | 4 | 9 | 2 | 9 | 3.9 | 272.2 | -4.6 | 71.5 | 999.8 |
| 02/04/2022 | 14:15:00 - 14:30:00 | 11 | 4 | 9 | 2 | 9 | 3.9 | 272.2 | -4.5 | 72.3 | 999.7 |
| 02/04/2022 | 14:30:00 - 14:45:00 | 11 | 4 | 9 | 2 | 9 | 2.8 | 234.4 | -4.1 | 71.9 | 999.6 |
| 02/04/2022 | 14:45:00 - 15:00:00 | 11 | 4 | 9 | 2 | 10 | 3.3 | 233.5 | -4.5 | 72.2 | 999.6 |
| 02/04/2022 | 15:00:00 - 15:15:00 | 10 | 4 | 9 | 2 | 9 | 2.9 | 257.6 | -4.9 | 73.4 | 999.7 |
| 02/04/2022 | 15:15:00 - 15:30:00 | 11 | 4 | 9 | 2 | 9 | 3.1 | 238.2 | -5.1 | 74.9 | 999.7 |
| 02/04/2022 | 15:30:00 - 15:45:00 | 11 | 4 | 9 | 2 | 9 | 3.1 | 229.4 | -5.6 | 76.1 | 999.7 |
| 02/04/2022 | 15:45:00 - 16:00:00 | 10 | 4 | 8 | 2 | 8 | 3.0 | 252.2 | -6.0 | 76.8 | 999.6 |
| 02/04/2022 | 16:00:00 - 16:15:00 | 9 | 4 | 8 | 2 | 8 | 2.8 | 235.3 | -6.2 | 78.0 | 999.4 |
| 02/04/2022 | 16:15:00 - 16:30:00 | 10 | 4 | 9 | 2 | 9 | 3.5 | 234.0 | -6.4 | 78.9 | 999.4 |
| 02/04/2022 | 16:30:00 - 16:45:00 | 10 | 5 | 10 | 2 | 10 | 3.7 | 219.7 | -6.8 | 80.0 | 999.4 |
| 02/04/2022 | 16:45:00 - 17:00:00 | 13 | 5 | 11 | 3 | 12 | 3.3 | 220.1 | -7.1 | 83.9 | 999.4 |
| 02/04/2022 | 17:00:00 - 17:15:00 | 17 | 7 | 14 | 4 | 16 | 3.5 | 224.5 | -7.4 | 83.9 | 999.3 |
| 02/04/2022 | 17:15:00 - 17:30:00 | 15 | 6 | 13 | 4 | 15 | 3.7 | 220.2 | -7.6 | 83.3 | 999.4 |
| 02/04/2022 | 17:30:00 - 17:45:00 | 13 | 6 | 12 | 3 | 13 | 3.2 | 237.0 | -7.6 | 84.0 | 999.5 |
| 02/04/2022 | 17:45:00 - 18:00:00 | 12 | 6 | 11 | 3 | 12 | 4.3 | 251.3 | -7.4 | 84.0 | 999.5 |
| 02/04/2022 | 18:00:00 - 18:15:00 | 11 | 5 | 10 | 3 | 12 | 3.5 | 250.3 | -7.4 | 84.4 | 999.6 |
| 02/04/2022 | 18:15:00 - 18:30:00 | 12 | 6 | 11 | 3 | 12 | 3.8 | 245.3 | -7.5 | 85.0 | 999.7 |
| 02/04/2022 | 18:30:00 - 18:45:00 | 12 | 6 | 11 | 3 | 13 | 2.7 | 260.4 | -7.5 | 85.0 | 999.8 |
| 02/04/2022 | 18:45:00 - 19:00:00 | 12 | 5 | 11 | 3 | 12 | 3.6 | 267.6 | -7.6 | 85.0 | 999.8 |
| 02/04/2022 | 19:00:00 - 19:15:00 | 13 | 6 | 11 | 3 | 12 | 3.1 | 267.5 | -7.7 | 85.9 | 999.9 |
| 02/04/2022 | 19:15:00 - 19:30:00 | 13 | 6 | 11 | 3 | 13 | 3.8 | 269.8 | -7.6 | 85.9 | 1000.0 |
| 02/04/2022 | 19:30:00 - 19:45:00 | 13 | 6 | 11 | 3 | 12 | 5.8 | 271.4 | -7.0 | 82.2 | 1000.2 |
| 02/04/2022 | 19:45:00 - 20:00:00 | 11 | 5 | 11 | 3 | 11 | 6.7 | 292.6 | -6.5 | 77.5 | 1000.3 |
| 02/04/2022 | 20:00:00 - 20:15:00 | 9 | 5 | 9 | 2 | 10 | 8.6 | 296.0 | -6.6 | 74.4 | 1000.4 |
| 02/04/2022 | 20:15:00 - 20:30:00 | 9 | 5 | 9 | 2 | 9 | 7.7 | 294.6 | -7.2 | 74.2 | 1000.6 |
| 02/04/2022 | 20:30:00 - 20:45:00 | 10 | 5 | 9 | 2 | 10 | 6.5 | 296.8 | -7.7 | 75.6 | 1000.5 |
| 02/04/2022 | 20:45:00 - 21:00:00 | 10 | 5 | 9 | 3 | 10 | 6.9 | 299.0 | -8.1 | 77.8 | 1000.6 |
| 02/04/2022 | 21:00:00 - 21:15:00 | 11 | 5 | 9 | 3 | 11 | 4.4 | 305.6 | -8.6 | 78.6 | 1001.0 |
| 02/04/2022 | 21:15:00 - 21:30:00 | 11 | 5 | 10 | 3 | 11 | 5.1 | 307.2 | -8.9 | 79.2 | 1001.4 |
| 02/04/2022 | 21:30:00 - 21:45:00 | 11 | 5 | 10 | 3 | 11 | 4.3 | 304.6 | -9.3 | 80.0 | 1001.7 |
| 02/04/2022 | 21:45:00 - 22:00:00 | 11 | 5 | 10 | 3 | 11 | 4.5 | 308.7 | -9.5 | 79.9 | 1001.9 |
| 02/04/2022 | 22:00:00 - 22:15:00 | 10 | 5 | 9 | 3 | 10 | 4.3 | 314.6 | -9.5 | 78.5 | 1002.1 |
| 02/04/2022 | 22:15:00 - 22:30:00 | 10 | 5 | 9 | 3 | 10 | 4.9 | 317.3 | -9.6 | 78.6 | 1002.2 |
| 02/04/2022 | 22:30:00 - 22:45:00 | 11 | 5 | 10 | 3 | 10 | 5.9 | 327.7 | -9.6 | 79.1 | 1002.3 |
| 02/04/2022 | 22:45:00 - 23:00:00 | 12 | 5 | 11 | 3 | 12 | 6.5 | 321.0 | -10.0 | 78.7 | 1002.4 |
| 02/04/2022 | 23:00:00 - 23:15:00 | 12 | 5 | 11 | 3 | 12 | 7.6 | 321.9 | -10.6 | 78.6 | 1002.7 |
| 02/04/2022 | 23:15:00 - 23:30:00 | 12 | 5 | 11 | 3 | 12 | 7.6 | 314.7 | -11.1 | 79.3 | 1002.9 |
| 02/04/2022 | 23:30:00 - 23:45:00 | 12 | 5 | 11 | 3 | 12 | 7.1 | 314.1 | -11.5 | 79.9 | 1003.2 |
| 02/05/2022 | 23:45:00 - 00:00:00 | 13 | 6 | 11 | 3 | 13 | 6.7 | 313.7 | -11.7 | 81.0 | 1003.3 |
| 02/05/2022 | 00:00:00 - 00:15:00 | 13 | 6 | 11 | 3 | 12 | 7.0 | 315.5 | -12.1 | 81.4 | 1003.6 |
| 02/05/2022 | 00:15:00 - 00:30:00 | 13 | 6 | 11 | 3 | 13 | 7.2 | 314.7 | -12.6 | 81.8 | 1003.8 |
| 02/05/2022 | 00:30:00 - 00:45:00 | 13 | 6 | 11 | 3 | 13 | 6.2 | 323.5 | -13.0 | 81.6 | 1004.1 |
| 02/05/2022 | 00:45:00 - 01:00:00 | 13 | 6 | 11 | 3 | 13 | 5.5 | 317.6 | -13.5 | 82.4 | 1004.0 |
| 02/05/2022 | 01:00:00 - 01:15:00 | 14 | 6 | 11 | 3 | 13 | 5.2 | 324.7 | -13.9 | 83.0 | 1004.0 |
| 02/05/2022 | 01:15:00 - 01:30:00 | 14 | 6 | 12 | 3 | 13 | 5.1 | 315.2 | -14.2 | 82.3 | 1004.0 |
| 02/05/2022 | 01:30:00 - 01:45:00 | 14 | 6 | 12 | 3 | 13 | 4.3 | 310.7 | -14.4 | 82.0 | 1004.3 |
| 02/05/2022 | 01:45:00 - 02:00:00 | 14 | 6 | 12 | 3 | 13 | 4.0 | 308.4 | -14.6 | 82.0 | 1004.5 |
| 02/05/2022 | 02:00:00 - 02:15:00 | 15 | 6 | 12 | 3 | 13 | 4.4 | 300.4 | -14.8 | 82.3 | 1004.7 |
| 02/05/2022 | 02:15:00 - 02:30:00 | 15 | 6 | 12 | 3 | 14 | 4.1 | 313.3 | -15.1 | 83.0 | 1004.7 |
| 02/05/2022 | 02:30:00 - 02:45:00 | 15 | 6 | 12 | 3 | 14 | 3.8 | 302.9 | -15.4 | 83.0 | 1004.7 |
| 02/05/2022 | 02:45:00 - 03:00:00 | 16 | 6 | 12 | 3 | 14 | 4.3 | 304.7 | -15.5 | 83.1 | 1004.7 |
| 02/05/2022 | 03:00:00 - 03:15:00 | 16 | 6 | 13 | 4 | 14 | 3.1 | 300.3 | -15.7 | 83.5 | 1004.8 |
| 02/05/2022 | 03:15:00 - 03:30:00 | 16 | 7 | 13 | 4 | 15 | 2.8 | 314.3 | -15.9 | 84.0 | 1004.8 |
| 02/05/2022 | 03:30:00 - 03:45:00 | 17 | 7 | 13 | 4 | 15 | 3.1 | 312.2 | -16.1 | 84.5 | 1004.9 |
| 02/05/2022 | 03:45:00 - 04:00:00 | 17 | 7 | 13 | 4 | 15 | 2.0 | 321.2 | -16.3 | 84.8 | 1004.9 |
| 02/05/2022 | 04:00:00 - 04:15:00 | 17 | 7 | 13 | 4 | 16 | 3.0 | 302.0 | -16.3 | 84.9 | 1004.9 |
| 02/05/2022 | 04:15:00 - 04:30:00 | 18 | 8 | 13 | 4 | 16 | 2.8 | 322.5 | -16.4 | 85.0 | 1005.0 |
| 02/05/2022 | 04:30:00 - 04:45:00 | 18 | 7 | 14 | 4 | 16 | 2.2 | 300.8 | -16.5 | 85.0 | 1005.1 |
| 02/05/2022 | 04:45:00 - 05:00:00 | 18 | 8 | 14 | 4 | 16 | 2.3 | 299.4 | -16.7 | 85.0 | 1005.3 |
| 02/05/2022 | 05:00:00 - 05:15:00 | 18 | 7 | 13 | 4 | 16 | 2.4 | 293.5 | -16.7 | 85.7 | 1005.6 |
| 02/05/2022 | 05:15:00 - 05:30:00 | 19 | 8 | 14 | 4 | 17 | 4.1 | 277.2 | -16.6 | 85.4 | 1005.7 |
| 02/05/2022 | 05:30:00 - 05:45:00 | 19 | 8 | 14 | 4 | 17 | 3.8 | 275.0 | -16.8 | 85.0 | 1005.9 |
| 02/05/2022 | 05:45:00 - 06:00:00 | 19 | 7 | 14 | 4 | 17 | 3.9 | 281.7 | -16.8 | 85.0 | 1006.1 |
| 02/05/2022 | 06:00:00 - 06:15:00 | 19 | 8 | 14 | 4 | 18 | 3.6 | 295.1 | -17.0 | 85.2 | 1006.1 |
| 02/05/2022 | 06:15:00 - 06:30:00 | 19 | 8 | 15 | 4 | 18 | 3.4 | 291.6 | -17.1 | 86.0 | 1006.5 |
| 02/05/2022 | 06:30:00 - 06:45:00 | 20 | 8 | 15 | 4 | 18 | 3.3 | 289.1 | -17.1 | 86.0 | 1006.7 |
| 02/05/2022 | 06:45:00 - 07:00:00 | 20 | 8 | 15 | 4 | 18 | 3.0 | 296.0 | -17.2 | 86.0 | 1006.4 |
| 02/05/2022 | 07:00:00 - 07:15:00 | 21 | 8 | 15 | 5 | 19 | 3.1 | 291.7 | -17.2 | 86.0 | 1006.7 |
| 02/05/2022 | 07:15:00 - 07:30:00 | 21 | 9 | 16 | 5 | 19 | 2.9 | 299.6 | -17.1 | 86.1 | 1006.8 |
| 02/05/2022 | 07:30:00 - 07:45:00 | 21 | 8 | 16 | 5 | 19 | 2.3 | 289.1 | -16.7 | 85.6 | 1006.8 |
| 02/05/2022 | 07:45:00 - 08:00:00 | 22 | 8 | 17 | 5 | 20 | 2.4 | 296.0 | -16.1 | 84.0 | 1006.8 |
| 02/05/2022 | 08:00:00 - 08:15:00 | 22 | 8 | 17 | 5 | 19 | 3.3 | 280.0 | -15.5 | 81.8 | 1006.7 |
| 02/05/2022 | 08:15:00 - 08:30:00 | 21 | 8 | 16 | 5 | 18 | 2.9 | 280.4 | -15.0 | 79.9 | 1006.6 |
| 02/05/2022 | 08:30:00 - 08:45:00 | 21 | 8 | 16 | 4 | 17 | 3.0 | 310.4 | -14.6 | 78.0 | 1006.6 |
| 02/05/2022 | 08:45:00 - 09:00:00 | 21 | 7 | 16 | 4 | 16 | 3.8 | 306.3 | -14.1 | 76.0 | 1006.8 |
| 02/05/2022 | 09:00:00 - 09:15:00 | 20 | 7 | 16 | 4 | 16 | 4.2 | 314.1 | -13.8 | 74.7 | 1006.8 |
| 02/05/2022 | 09:15:00 - 09:30:00 | 20 | 7 | 16 | 4 | 16 | 2.6 | 291.1 | -12.8 | 73.1 | 1006.8 |
| 02/05/2022 | 09:30:00 - 09:45:00 | 19 | 7 | 15 | 4 | 16 | 3.9 | 294.0 | -12.7 | 71.0 | 1006.8 |
| 02/05/2022 | 09:45:00 - 10:00:00 | 18 | 7 | 15 | 4 | 16 | 2.3 | 283.9 | -12.2 | 70.6 | 1006.7 |
| 02/05/2022 | 10:00:00 - 10:15:00 | 17 | 7 | 14 | 4 | 16 | 2.8 | 295.9 | -11.9 | 68.8 | 1006.5 |
| 02/05/2022 | 10:15:00 - 10:30:00 | 16 | 7 | 14 | 4 | 16 | 2.4 | 249.3 | -11.1 | 68.0 | 1006.1 |
| 02/05/2022 | 10:30:00 - 10:45:00 | 16 | 7 | 14 | 4 | 16 | 1.4 | 179.8 | -10.3 | 67.4 | 1005.8 |
| 02/05/2022 | 10:45:00 - 11:00:00 | 15 | 6 | 13 | 4 | 15 | 1.6 | 186.3 | -9.8 | 65.0 | 1005.8 |
| 02/05/2022 | 11:00:00 - 11:15:00 | 15 | 6 | 13 | 4 | 15 | 2.3 | 218.1 | -10.4 | 66.9 | 1005.5 |
| 02/05/2022 | 11:15:00 - 11:30:00 | 16 | 6 | 13 | 4 | 15 | 1.8 | 181.5 | -10.3 | 66.2 | 1005.4 |
| 02/05/2022 | 11:30:00 - 11:45:00 | 16 | 6 | 13 | 4 | 15 | 1.8 | 159.5 | -10.1 | 66.7 | 1005.3 |
| 02/05/2022 | 11:45:00 - 12:00:00 | 17 | 6 | 14 | 4 | 16 | 2.0 | 162.1 | -9.9 | 67.0 | 1004.7 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 02/05/2022 | 12:00:00 - 12:15:00 | 17 | 6 | 14 | 4 | 16 | 1.6 | 193.0 | -9.9 | 67.2 | 1004.6 |
| 02/05/2022 | 12:15:00 - 12:30:00 | 17 | 6 | 14 | 4 | 16 | 1.8 | 191.7 | -9.9 | 68.3 | 1004.3 |
| 02/05/2022 | 12:30:00 - 12:45:00 | 17 | 6 | 14 | 4 | 16 | 1.5 | 201.4 | -9.5 | 67.8 | 1004.1 |
| 02/05/2022 | 12:45:00 - 13:00:00 | 17 | 6 | 14 | 4 | 16 | 1.6 | 174.3 | -9.2 | 67.2 | 1004.1 |
| 02/05/2022 | 13:00:00 - 13:15:00 | 17 | 6 | 14 | 4 | 16 | 1.9 | 169.2 | -9.0 | 67.8 | 1003.8 |
| 02/05/2022 | 13:15:00 - 13:30:00 | 18 | 7 | 14 | 4 | 17 | 2.0 | 167.6 | -8.8 | 67.5 | 1003.6 |
| 02/05/2022 | 13:30:00 - 13:45:00 | 18 | 7 | 15 | 4 | 17 | 2.6 | 183.9 | -8.9 | 68.2 | 1003.1 |
| 02/05/2022 | 13:45:00 - 14:00:00 | 18 | 7 | 15 | 4 | 17 | 2.4 | 195.5 | -8.6 | 67.3 | 1002.9 |
| 02/05/2022 | 14:00:00 - 14:15:00 | 18 | 7 | 15 | 4 | 17 | 2.0 | 171.9 | -8.6 | 65.5 | 1002.8 |
| 02/05/2022 | 14:15:00 - 14:30:00 | 18 | 7 | 15 | 4 | 17 | 2.1 | 197.2 | -8.6 | 66.5 | 1002.6 |
| 02/05/2022 | 14:30:00 - 14:45:00 | 19 | 7 | 15 | 4 | 18 | 2.1 | 178.4 | -8.3 | 67.1 | 1002.5 |
| 02/05/2022 | 14:45:00 - 15:00:00 | 20 | 8 | 16 | 5 | 19 | 2.1 | 198.3 | -8.2 | 68.5 | 1002.4 |
| 02/05/2022 | 15:00:00 - 15:15:00 | 20 | 8 | 16 | 5 | 19 | 2.5 | 188.1 | -8.2 | 68.9 | 1002.3 |
| 02/05/2022 | 15:15:00 - 15:30:00 | 20 | 8 | 16 | 5 | 19 | 2.7 | 199.3 | -8.6 | 71.5 | 1002.0 |
| 02/05/2022 | 15:30:00 - 15:45:00 | 20 | 8 | 16 | 5 | 19 | 2.2 | 189.9 | -8.6 | 72.8 | 1002.1 |
| 02/05/2022 | 15:45:00 - 16:00:00 | 20 | 8 | 16 | 5 | 19 | 2.0 | 186.6 | -8.5 | 72.1 | 1001.9 |
| 02/05/2022 | 16:00:00 - 16:15:00 | 20 | 8 | 16 | 5 | 19 | 2.2 | 198.8 | -8.5 | 73.0 | 1001.6 |
| 02/05/2022 | 16:15:00 - 16:30:00 | 20 | 8 | 16 | 5 | 20 | 1.4 | 173.7 | -8.4 | 73.6 | 1001.3 |
| 02/05/2022 | 16:30:00 - 16:45:00 | 20 | 8 | 16 | 5 | 20 | 1.5 | 162.2 | -8.3 | 73.6 | 1000.9 |
| 02/05/2022 | 16:45:00 - 17:00:00 | 19 | 7 | 16 | 5 | 20 | 1.4 | 171.4 | -8.2 | 73.1 | 1000.8 |
| 02/05/2022 | 17:00:00 - 17:15:00 | 19 | 7 | 15 | 4 | 19 | 2.2 | 143.5 | -8.7 | 74.3 | 1000.7 |
| 02/05/2022 | 17:15:00 - 17:30:00 | 18 | 7 | 15 | 4 | 18 | 1.4 | 152.1 | -9.1 | 74.9 | 1000.8 |
| 02/05/2022 | 17:30:00 - 17:45:00 | 18 | 7 | 15 | 4 | 17 | 2.2 | 157.0 | -9.1 | 74.0 | 1000.5 |
| 02/05/2022 | 17:45:00 - 18:00:00 | 17 | 7 | 14 | 4 | 16 | 1.7 | 165.7 | -9.2 | 73.1 | 1000.4 |
| 02/05/2022 | 18:00:00 - 18:15:00 | 17 | 7 | 14 | 4 | 16 | 2.2 | 157.7 | -9.4 | 72.9 | 1000.3 |
| 02/05/2022 | 18:15:00 - 18:30:00 | 17 | 7 | 14 | 4 | 15 | 1.4 | 164.5 | -9.4 | 73.0 | 1000.2 |
| 02/05/2022 | 18:30:00 - 18:45:00 | 17 | 6 | 13 | 4 | 15 | 2.6 | 189.0 | -9.5 | 73.0 | 1000.2 |
| 02/05/2022 | 18:45:00 - 19:00:00 | 17 | 6 | 14 | 4 | 15 | 2.5 | 182.6 | -9.6 | 73.6 | 1000.1 |
| 02/05/2022 | 19:00:00 - 19:15:00 | 17 | 7 | 14 | 4 | 16 | 2.1 | 167.5 | -9.6 | 74.0 | 999.6 |
| 02/05/2022 | 19:15:00 - 19:30:00 | 18 | 7 | 14 | 4 | 16 | 2.4 | 162.8 | -9.6 | 74.2 | 999.3 |
| 02/05/2022 | 19:30:00 - 19:45:00 | 18 | 7 | 15 | 4 | 17 | 2.5 | 165.6 | -9.5 | 74.0 | 999.1 |
| 02/05/2022 | 19:45:00 - 20:00:00 | 18 | 7 | 15 | 4 | 16 | 2.2 | 166.8 | -9.5 | 74.2 | 998.9 |
| 02/05/2022 | 20:00:00 - 20:15:00 | 18 | 7 | 15 | 4 | 16 | 1.9 | 175.3 | -9.7 | 75.0 | 998.9 |
| 02/05/2022 | 20:15:00 - 20:30:00 | 17 | 7 | 14 | 4 | 16 | 2.1 | 171.7 | -9.7 | 75.0 | 998.8 |
| 02/05/2022 | 20:30:00 - 20:45:00 | 17 | 7 | 14 | 4 | 16 | 2.0 | 178.5 | -9.8 | 75.9 | 998.8 |
| 02/05/2022 | 20:45:00 - 21:00:00 | 18 | 7 | 14 | 4 | 16 | 1.6 | 183.0 | -9.8 | 76.4 | 999.1 |
| 02/05/2022 | 21:00:00 - 21:15:00 | 19 | 7 | 15 | 4 | 17 | 2.9 | 198.7 | -9.7 | 77.1 | 999.2 |
| 02/05/2022 | 21:15:00 - 21:30:00 | 20 | 8 | 16 | 4 | 18 | 2.2 | 189.7 | -9.8 | 78.0 | 999.2 |
| 02/05/2022 | 21:30:00 - 21:45:00 | 21 | 8 | 17 | 5 | 19 | 2.7 | 199.5 | -9.7 | 78.0 | 999.2 |
| 02/05/2022 | 21:45:00 - 22:00:00 | 21 | 8 | 17 | 5 | 20 | 2.5 | 204.9 | -9.8 | 78.4 | 999.2 |
| 02/05/2022 | 22:00:00 - 22:15:00 | 21 | 8 | 17 | 5 | 20 | 1.7 | 199.4 | -9.8 | 78.8 | 999.2 |
| 02/05/2022 | 22:15:00 - 22:30:00 | 21 | 8 | 17 | 5 | 19 | 1.7 | 196.5 | -9.8 | 79.0 | 999.2 |
| 02/05/2022 | 22:30:00 - 22:45:00 | 20 | 8 | 16 | 4 | 19 | 1.5 | 196.0 | -9.8 | 79.0 | 999.1 |
| 02/05/2022 | 22:45:00 - 23:00:00 | 19 | 7 | 16 | 4 | 18 | 1.3 | 195.0 | -9.8 | 79.0 | 999.2 |
| 02/05/2022 | 23:00:00 - 23:15:00 | 18 | 7 | 15 | 4 | 17 | 1.6 | 193.3 | -9.8 | 79.0 | 999.1 |
| 02/05/2022 | 23:15:00 - 23:30:00 | 18 | 7 | 15 | 4 | 17 | 2.0 | 203.2 | -9.7 | 79.0 | 998.9 |
| 02/05/2022 | 23:30:00 - 23:45:00 | 17 | 7 | 14 | 4 | 17 | 2.2 | 201.3 | -9.6 | 79.5 | 998.8 |
| 02/06/2022 | 23:45:00 - 00:00:00 | 17 | 7 | 15 | 4 | 16 | 1.8 | 192.7 | -9.6 | 80.3 | 998.7 |
| 02/06/2022 | 00:00:00 - 00:15:00 | 17 | 7 | 15 | 4 | 17 | 2.2 | 196.4 | -9.5 | 81.0 | 998.6 |
| 02/06/2022 | 00:15:00 - 00:30:00 | 17 | 7 | 15 | 4 | 16 | 1.8 | 180.8 | -9.6 | 81.9 | 998.4 |
| 02/06/2022 | 00:30:00 - 00:45:00 | 17 | 7 | 14 | 4 | 16 | 1.5 | 188.2 | -9.6 | 83.2 | 998.1 |
| 02/06/2022 | 00:45:00 - 01:00:00 | 17 | 7 | 14 | 4 | 16 | 2.1 | 192.3 | -9.5 | 84.4 | 997.9 |
| 02/06/2022 | 01:00:00 - 01:15:00 | 16 | 6 | 14 | 4 | 15 | 2.3 | 200.0 | -9.5 | 85.7 | 997.8 |
| 02/06/2022 | 01:15:00 - 01:30:00 | 16 | 6 | 14 | 4 | 15 | 2.2 | 192.7 | -9.4 | 86.8 | 997.7 |
| 02/06/2022 | 01:30:00 - 01:45:00 | 16 | 6 | 14 | 4 | 15 | 2.3 | 180.9 | -9.3 | 87.6 | 997.9 |
| 02/06/2022 | 01:45:00 - 02:00:00 | 16 | 7 | 14 | 4 | 15 | 2.1 | 178.8 | -9.3 | 88.4 | 997.7 |
| 02/06/2022 | 02:00:00 - 02:15:00 | 17 | 7 | 14 | 4 | 16 | 1.9 | 192.2 | -9.3 | 89.0 | 997.6 |
| 02/06/2022 | 02:15:00 - 02:30:00 | 17 | 7 | 14 | 4 | 16 | 2.0 | 191.2 | -9.3 | 89.6 | 997.4 |
| 02/06/2022 | 02:30:00 - 02:45:00 | 17 | 7 | 15 | 4 | 17 | 1.8 | 189.8 | -9.3 | 90.0 | 997.4 |
| 02/06/2022 | 02:45:00 - 03:00:00 | 18 | 7 | 15 | 4 | 17 | 1.2 | 187.9 | -9.4 | 90.3 | 997.5 |
| 02/06/2022 | 03:00:00 - 03:15:00 | 18 | 7 | 15 | 4 | 18 | 1.4 | 184.8 | -9.3 | 91.0 | 997.3 |
| 02/06/2022 | 03:15:00 - 03:30:00 | 19 | 7 | 15 | 4 | 18 | 1.1 | 171.7 | -9.1 | 91.0 | 997.1 |
| 02/06/2022 | 03:30:00 - 03:45:00 | 19 | 7 | 15 | 4 | 18 | 1.2 | 178.7 | -9.1 | 90.2 | 996.9 |
| 02/06/2022 | 03:45:00 - 04:00:00 | 18 | 7 | 15 | 4 | 17 | 1.0 | 190.7 | -9.1 | 90.0 | 996.9 |
| 02/06/2022 | 04:00:00 - 04:15:00 | 18 | 7 | 15 | 4 | 17 | 1.2 | 186.1 | -9.0 | 89.7 | 997.1 |
| 02/06/2022 | 04:15:00 - 04:30:00 | 18 | 7 | 15 | 4 | 17 | 1.1 | 176.9 | -9.0 | 89.8 | 997.1 |
| 02/06/2022 | 04:30:00 - 04:45:00 | 18 | 7 | 15 | 4 | 17 | 1.4 | 176.2 | -8.8 | 88.8 | 997.0 |
| 02/06/2022 | 04:45:00 - 05:00:00 | 18 | 7 | 15 | 4 | 17 | 2.0 | 192.9 | -8.6 | 87.9 | 996.7 |
| 02/06/2022 | 05:00:00 - 05:15:00 | 18 | 7 | 16 | 4 | 17 | 2.2 | 194.7 | -8.7 | 87.5 | 996.7 |
| 02/06/2022 | 05:15:00 - 05:30:00 | 19 | 7 | 16 | 4 | 17 | 1.5 | 185.4 | -8.6 | 87.4 | 996.8 |
| 02/06/2022 | 05:30:00 - 05:45:00 | 19 | 7 | 16 | 4 | 18 | 1.5 | 194.9 | -8.8 | 87.8 | 996.7 |
| 02/06/2022 | 05:45:00 - 06:00:00 | 19 | 7 | 16 | 4 | 18 | 2.0 | 185.3 | -8.9 | 88.0 | 996.6 |
| 02/06/2022 | 06:00:00 - 06:15:00 | 19 | 7 | 16 | 5 | 18 | 2.2 | 191.7 | -8.8 | 88.2 | 996.5 |
| 02/06/2022 | 06:15:00 - 06:30:00 | 19 | 8 | 16 | 4 | 18 | 1.6 | 187.6 | -8.7 | 88.0 | 996.6 |
| 02/06/2022 | 06:30:00 - 06:45:00 | 19 | 7 | 16 | 4 | 18 | 1.8 | 189.9 | -8.6 | 88.0 | 996.6 |
| 02/06/2022 | 06:45:00 - 07:00:00 | 18 | 7 | 16 | 4 | 17 | 1.3 | 174.0 | -8.9 | 88.0 | 996.5 |
| 02/06/2022 | 07:00:00 - 07:15:00 | 18 | 7 | 15 | 4 | 17 | 1.3 | 191.4 | -9.2 | 88.7 | 996.6 |
| 02/06/2022 | 07:15:00 - 07:30:00 | 18 | 7 | 15 | 4 | 17 | 0.9 | 182.4 | -9.1 | 89.7 | 996.6 |
| 02/06/2022 | 07:30:00 - 07:45:00 | 18 | 7 | 15 | 4 | 17 | 2.0 | 178.8 | -8.4 | 88.7 | 996.7 |
| 02/06/2022 | 07:45:00 - 08:00:00 | 18 | 7 | 15 | 4 | 17 | 2.5 | 193.4 | -7.4 | 86.6 | 996.5 |
| 02/06/2022 | 08:00:00 - 08:15:00 | 17 | 6 | 15 | 4 | 16 | 2.2 | 190.7 | -6.5 | 83.7 | 996.5 |
| 02/06/2022 | 08:15:00 - 08:30:00 | 17 | 6 | 14 | 4 | 16 | 3.4 | 196.8 | -6.0 | 81.6 | 996.5 |
| 02/06/2022 | 08:30:00 - 08:45:00 | 17 | 6 | 14 | 4 | 15 | 3.0 | 203.1 | -5.2 | 79.6 | 996.6 |
| 02/06/2022 | 08:45:00 - 09:00:00 | 16 | 6 | 14 | 4 | 15 | 4.7 | 211.6 | -4.6 | 77.4 | 996.8 |
| 02/06/2022 | 09:00:00 - 09:15:00 | 15 | 6 | 14 | 4 | 14 | 4.8 | 204.7 | -4.4 | 76.9 | 996.9 |
| 02/06/2022 | 09:15:00 - 09:30:00 | 15 | 6 | 13 | 3 | 14 | 5.3 | 204.3 | -4.3 | 76.0 | 996.9 |
| 02/06/2022 | 09:30:00 - 09:45:00 | 14 | 6 | 13 | 3 | 14 | 5.4 | 208.5 | -4.0 | 75.7 | 997.0 |
| 02/06/2022 | 09:45:00 - 10:00:00 | 14 | 6 | 12 | 3 | 14 | 5.4 | 204.1 | -3.5 | 74.6 | 996.9 |
| 02/06/2022 | 10:00:00 - 10:15:00 | 14 | 6 | 12 | 3 | 14 | 4.6 | 196.3 | -2.9 | 72.9 | 996.9 |
| 02/06/2022 | 10:15:00 - 10:30:00 | 14 | 6 | 12 | 3 | 14 | 5.5 | 205.3 | -2.6 | 72.3 | 997.0 |
| 02/06/2022 | 10:30:00 - 10:45:00 | 14 | 6 | 12 | 3 | 14 | 6.2 | 195.1 | -2.3 | 71.8 | 996.9 |
| 02/06/2022 | 10:45:00 - 11:00:00 | 14 | 6 | 12 | 3 | 14 | 4.7 | 197.2 | -1.8 | 71.6 | 996.7 |
| 02/06/2022 | 11:00:00 - 11:15:00 | 15 | 6 | 12 | 3 | 14 | 4.1 | 193.3 | -1.1 | 70.3 | 996.5 |
| 02/06/2022 | 11:15:00 - 11:30:00 | 15 | 5 | 12 | 3 | 14 | 3.7 | 192.8 | -0.5 | 69.8 | 996.4 |
| 02/06/2022 | 11:30:00 - 11:45:00 | 15 | 5 | 12 | 3 | 14 | 4.9 | 194.7 | -0.6 | 70.2 | 996.2 |
| 02/06/2022 | 11:45:00 - 12:00:00 | 15 | 5 | 12 | 3 | 14 | 5.7 | 204.7 | -0.7 | 71.0 | 996.0 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 02/06/2022 | 12:00:00 - 12:15:00 | 15 | 5 | 12 | 3 | 13 | 5.6 | 204.3 | -0.2 | 70.9 | 995.8 |
| 02/06/2022 | 12:15:00 - 12:30:00 | 15 | 5 | 12 | 3 | 13 | 5.6 | 196.9 | 0.0 | 70.7 | 995.7 |
| 02/06/2022 | 12:30:00 - 12:45:00 | 14 | 5 | 11 | 3 | 13 | 5.0 | 196.6 | 0.3 | 70.7 | 995.5 |
| 02/06/2022 | 12:45:00 - 13:00:00 | 15 | 5 | 11 | 3 | 13 | 5.3 | 196.2 | 0.9 | 69.2 | 995.2 |
| 02/06/2022 | 13:00:00 - 13:15:00 | 14 | 5 | 11 | 3 | 13 | 4.5 | 199.9 | 1.4 | 68.5 | 995.2 |
| 02/06/2022 | 13:15:00 - 13:30:00 | 15 | 5 | 11 | 3 | 13 | 5.4 | 203.4 | 1.4 | 68.2 | 995.0 |
| 02/06/2022 | 13:30:00 - 13:45:00 | 14 | 5 | 10 | 3 | 12 | 5.2 | 195.1 | 1.6 | 68.1 | 995.0 |
| 02/06/2022 | 13:45:00 - 14:00:00 | 14 | 5 | 10 | 3 | 12 | 4.2 | 195.5 | 1.8 | 68.2 | 994.8 |
| 02/06/2022 | 14:00:00 - 14:15:00 | 14 | 5 | 10 | 3 | 11 | 4.0 | 176.2 | 2.3 | 68.1 | 994.7 |
| 02/06/2022 | 14:15:00 - 14:30:00 | 15 | 5 | 11 | 3 | 12 | 4.7 | 195.7 | 2.1 | 68.5 | 994.5 |
| 02/06/2022 | 14:30:00 - 14:45:00 | 14 | 5 | 11 | 3 | 12 | 3.5 | 172.2 | 2.5 | 68.7 | 994.3 |
| 02/06/2022 | 14:45:00 - 15:00:00 | 15 | 5 | 11 | 3 | 13 | 3.4 | 162.3 | 2.4 | 69.8 | 994.2 |
| 02/06/2022 | 15:00:00 - 15:15:00 | 16 | 6 | 12 | 4 | 14 | 3.0 | 173.1 | 2.4 | 70.6 | 994.2 |
| 02/06/2022 | 15:15:00 - 15:30:00 | 16 | 6 | 12 | 4 | 14 | 3.9 | 184.9 | 1.9 | 71.3 | 994.2 |
| 02/06/2022 | 15:30:00 - 15:45:00 | 16 | 6 | 12 | 4 | 14 | 4.6 | 183.6 | 1.7 | 71.4 | 994.2 |
| 02/06/2022 | 15:45:00 - 16:00:00 | 16 | 5 | 11 | 3 | 13 | 3.2 | 159.4 | 1.5 | 73.0 | 994.2 |
| 02/06/2022 | 16:00:00 - 16:15:00 | 17 | 6 | 13 | 4 | 15 | 3.0 | 164.6 | 0.9 | 75.7 | 994.1 |
| 02/06/2022 | 16:15:00 - 16:30:00 | 18 | 6 | 14 | 4 | 16 | 2.6 | 169.3 | 0.6 | 77.0 | 994.2 |
| 02/06/2022 | 16:30:00 - 16:45:00 | 17 | 6 | 14 | 4 | 16 | 2.6 | 156.2 | 0.4 | 77.2 | 994.1 |
| 02/06/2022 | 16:45:00 - 17:00:00 | 17 | 6 | 14 | 4 | 16 | 2.5 | 178.0 | 0.2 | 77.6 | 994.0 |
| 02/06/2022 | 17:00:00 - 17:15:00 | 17 | 6 | 13 | 4 | 16 | 3.4 | 181.2 | -0.2 | 78.4 | 994.0 |
| 02/06/2022 | 17:15:00 - 17:30:00 | 16 | 6 | 13 | 4 | 16 | 4.0 | 192.0 | -0.2 | 77.8 | 994.0 |
| 02/06/2022 | 17:30:00 - 17:45:00 | 16 | 6 | 13 | 4 | 16 | 4.5 | 195.7 | -0.2 | 76.8 | 994.3 |
| 02/06/2022 | 17:45:00 - 18:00:00 | 15 | 6 | 13 | 4 | 15 | 4.0 | 184.7 | -0.3 | 76.0 | 994.3 |
| 02/06/2022 | 18:00:00 - 18:15:00 | 15 | 6 | 13 | 4 | 15 | 3.8 | 188.5 | -0.3 | 76.0 | 994.5 |
| 02/06/2022 | 18:15:00 - 18:30:00 | 15 | 6 | 13 | 4 | 15 | 3.6 | 181.3 | -0.4 | 76.0 | 994.5 |
| 02/06/2022 | 18:30:00 - 18:45:00 | 15 | 6 | 13 | 4 | 15 | 3.7 | 188.9 | -0.4 | 76.0 | 994.7 |
| 02/06/2022 | 18:45:00 - 19:00:00 | 15 | 6 | 13 | 4 | 15 | 4.3 | 190.2 | -0.4 | 75.5 | 994.7 |
| 02/06/2022 | 19:00:00 - 19:15:00 | 16 | 6 | 14 | 4 | 16 | 4.3 | 194.5 | -0.4 | 75.0 | 994.8 |
| 02/06/2022 | 19:15:00 - 19:30:00 | 16 | 7 | 14 | 4 | 16 | 4.8 | 195.8 | -0.5 | 75.2 | 994.9 |
| 02/06/2022 | 19:30:00 - 19:45:00 | 16 | 7 | 14 | 4 | 16 | 5.1 | 191.8 | -0.6 | 75.4 | 994.9 |
| 02/06/2022 | 19:45:00 - 20:00:00 | 16 | 6 | 14 | 4 | 16 | 5.3 | 198.9 | -0.8 | 76.2 | 994.9 |
| 02/06/2022 | 20:00:00 - 20:15:00 | 16 | 7 | 14 | 4 | 16 | 4.9 | 203.4 | -0.9 | 77.3 | 995.0 |
| 02/06/2022 | 20:15:00 - 20:30:00 | 16 | 7 | 14 | 4 | 17 | 3.6 | 205.9 | -1.1 | 78.4 | 995.0 |
| 02/06/2022 | 20:30:00 - 20:45:00 | 17 | 7 | 14 | 4 | 16 | 3.4 | 197.3 | -1.2 | 79.0 | 995.0 |
| 02/06/2022 | 20:45:00 - 21:00:00 | 17 | 7 | 14 | 4 | 17 | 2.9 | 200.6 | -1.4 | 79.6 | 995.0 |
| 02/06/2022 | 21:00:00 - 21:15:00 | 16 | 7 | 14 | 4 | 16 | 2.9 | 209.1 | -1.5 | 80.0 | 995.0 |
| 02/06/2022 | 21:15:00 - 21:30:00 | 18 | 7 | 15 | 4 | 17 | 2.5 | 207.8 | -1.8 | 81.0 | 994.9 |
| 02/06/2022 | 21:30:00 - 21:45:00 | 17 | 7 | 15 | 4 | 17 | 2.6 | 198.7 | -2.0 | 82.0 | 994.9 |
| 02/06/2022 | 21:45:00 - 22:00:00 | 18 | 7 | 15 | 4 | 17 | 3.3 | 200.5 | -2.1 | 82.0 | 994.9 |
| 02/06/2022 | 22:00:00 - 22:15:00 | 18 | 7 | 15 | 4 | 17 | 3.5 | 210.6 | -2.2 | 82.0 | 994.8 |
| 02/06/2022 | 22:15:00 - 22:30:00 | 18 | 7 | 15 | 4 | 17 | 2.0 | 215.2 | -2.4 | 82.2 | 994.8 |
| 02/06/2022 | 22:30:00 - 22:45:00 | 18 | 7 | 15 | 4 | 17 | 2.9 | 250.0 | -2.5 | 83.0 | 995.0 |
| 02/06/2022 | 22:45:00 - 23:00:00 | 18 | 7 | 15 | 4 | 17 | 2.5 | 250.7 | -2.6 | 83.0 | 994.9 |
| 02/06/2022 | 23:00:00 - 23:15:00 | 18 | 7 | 15 | 4 | 17 | 2.6 | 262.7 | -3.0 | 83.8 | 994.9 |
| 02/06/2022 | 23:15:00 - 23:30:00 | 18 | 7 | 15 | 4 | 17 | 4.0 | 269.2 | -3.2 | 84.7 | 994.9 |
| 02/06/2022 | 23:30:00 - 23:45:00 | 18 | 7 | 15 | 4 | 18 | 4.0 | 270.4 | -3.0 | 85.5 | 995.0 |
| 02/07/2022 | 23:45:00 - 00:00:00 | 18 | 7 | 15 | 4 | 18 | 3.8 | 279.1 | -2.9 | 86.6 | 995.0 |
| 02/07/2022 | 00:00:00 - 00:15:00 | 18 | 8 | 15 | 4 | 18 | 4.2 | 282.0 | -2.9 | 87.9 | 995.2 |
| 02/07/2022 | 00:15:00 - 00:30:00 | 19 | 8 | 16 | 5 | 19 | 4.8 | 281.9 | -2.7 | 89.0 | 995.2 |
| 02/07/2022 | 00:30:00 - 00:45:00 | 17 | 7 | 14 | 4 | 16 | 4.9 | 285.5 | -2.5 | 89.0 | 995.1 |
| 02/07/2022 | 00:45:00 - 01:00:00 | 13 | 6 | 12 | 3 | 14 | 5.0 | 284.5 | -2.5 | 88.3 | 995.1 |
| 02/07/2022 | 01:00:00 - 01:15:00 | 13 | 6 | 11 | 3 | 13 | 5.7 | 279.0 | -2.9 | 84.8 | 995.1 |
| 02/07/2022 | 01:15:00 - 01:30:00 | 12 | 5 | 10 | 3 | 12 | 5.6 | 281.2 | -3.6 | 82.1 | 995.2 |
| 02/07/2022 | 01:30:00 - 01:45:00 | 11 | 5 | 10 | 3 | 11 | 5.5 | 295.0 | -4.2 | 80.6 | 995.3 |
| 02/07/2022 | 01:45:00 - 02:00:00 | 10 | 5 | 9 | 2 | 10 | 5.9 | 283.9 | -4.7 | 79.8 | 995.4 |
| 02/07/2022 | 02:00:00 - 02:15:00 | 9 | 5 | 9 | 2 | 10 | 6.3 | 289.7 | -5.2 | 77.8 | 995.5 |
| 02/07/2022 | 02:15:00 - 02:30:00 | 7 | 4 | 7 | 2 | 8 | 6.1 | 293.4 | -5.8 | 75.8 | 995.4 |
| 02/07/2022 | 02:30:00 - 02:45:00 | 5 | 3 | 6 | 2 | 6 | 6.8 | 290.8 | -6.2 | 76.0 | 995.3 |
| 02/07/2022 | 02:45:00 - 03:00:00 | 5 | 3 | 6 | 2 | 6 | 6.6 | 300.8 | -6.6 | 76.0 | 995.4 |
| 02/07/2022 | 03:00:00 - 03:15:00 | 6 | 3 | 6 | 2 | 6 | 5.5 | 299.3 | -7.0 | 75.9 | 995.4 |
| 02/07/2022 | 03:15:00 - 03:30:00 | 7 | 4 | 7 | 2 | 8 | 6.8 | 294.0 | -7.2 | 75.4 | 995.4 |
| 02/07/2022 | 03:30:00 - 03:45:00 | 8 | 4 | 8 | 2 | 8 | 5.8 | 292.7 | -7.4 | 76.0 | 995.4 |
| 02/07/2022 | 03:45:00 - 04:00:00 | 9 | 4 | 8 | 2 | 9 | 3.9 | 298.1 | -7.8 | 77.3 | 995.5 |
| 02/07/2022 | 04:00:00 - 04:15:00 | 10 | 5 | 9 | 2 | 9 | 4.2 | 304.9 | -8.1 | 78.2 | 995.5 |
| 02/07/2022 | 04:15:00 - 04:30:00 | 10 | 5 | 9 | 2 | 10 | 4.3 | 295.9 | -8.4 | 79.0 | 995.5 |
| 02/07/2022 | 04:30:00 - 04:45:00 | 11 | 5 | 9 | 3 | 10 | 4.5 | 291.3 | -8.6 | 80.0 | 995.8 |
| 02/07/2022 | 04:45:00 - 05:00:00 | 11 | 5 | 9 | 3 | 10 | 5.1 | 305.8 | -8.9 | 80.0 | 995.8 |
| 02/07/2022 | 05:00:00 - 05:15:00 | 12 | 5 | 10 | 3 | 11 | 5.0 | 301.5 | -9.2 | 81.0 | 995.9 |
| 02/07/2022 | 05:15:00 - 05:30:00 | 12 | 5 | 10 | 3 | 11 | 4.3 | 303.7 | -9.4 | 81.2 | 995.9 |
| 02/07/2022 | 05:30:00 - 05:45:00 | 11 | 5 | 10 | 3 | 11 | 4.0 | 303.6 | -9.6 | 82.0 | 996.1 |
| 02/07/2022 | 05:45:00 - 06:00:00 | 12 | 5 | 10 | 3 | 11 | 4.5 | 309.0 | -9.8 | 82.0 | 996.2 |
| 02/07/2022 | 06:00:00 - 06:15:00 | 12 | 5 | 10 | 3 | 11 | 5.2 | 299.7 | -9.9 | 82.2 | 996.3 |
| 02/07/2022 | 06:15:00 - 06:30:00 | 12 | 5 | 10 | 3 | 11 | 5.3 | 296.9 | -10.1 | 82.0 | 996.3 |
| 02/07/2022 | 06:30:00 - 06:45:00 | 13 | 5 | 11 | 2 | 10 | 5.6 | 295.1 | -10.3 | 82.0 | 996.4 |
| 02/07/2022 | 06:45:00 - 07:00:00 | 13 | 5 | 11 | 3 | 10 | 5.6 | 297.2 | -10.5 | 81.6 | 996.5 |
| 02/07/2022 | 07:00:00 - 07:15:00 | 13 | 5 | 11 | 3 | 11 | 5.1 | 302.7 | -10.6 | 81.1 | 996.6 |
| 02/07/2022 | 07:15:00 - 07:30:00 | 12 | 5 | 10 | 3 | 11 | 5.7 | 304.1 | -10.6 | 81.0 | 996.8 |
| 02/07/2022 | 07:30:00 - 07:45:00 | 12 | 5 | 10 | 3 | 11 | 5.9 | 302.3 | -10.5 | 80.4 | 996.9 |
| 02/07/2022 | 07:45:00 - 08:00:00 | 12 | 5 | 10 | 3 | 11 | 5.3 | 297.6 | -10.3 | 79.5 | 997.1 |
| 02/07/2022 | 08:00:00 - 08:15:00 | 12 | 5 | 10 | 3 | 11 | 6.3 | 302.9 | -10.2 | 78.5 | 997.1 |
| 02/07/2022 | 08:15:00 - 08:30:00 | 12 | 5 | 10 | 3 | 11 | 5.9 | 299.6 | -10.0 | 77.6 | 997.2 |
| 02/07/2022 | 08:30:00 - 08:45:00 | 13 | 5 | 11 | 3 | 11 | 5.4 | 313.1 | -9.8 | 76.9 | 997.0 |
| 02/07/2022 | 08:45:00 - 09:00:00 | 14 | 5 | 11 | 3 | 11 | 5.4 | 320.6 | -9.5 | 75.7 | 997.0 |
| 02/07/2022 | 09:00:00 - 09:15:00 | 14 | Offline | 11 | 3 | 12 | 6.0 | 311.5 | -9.6 | 75.6 | 997.2 |
| 02/07/2022 | 09:15:00 - 09:30:00 | 14 | Offline | 11 | 3 | 12 | 6.3 | 306.2 | -9.5 | 75.4 | 997.2 |
| 02/07/2022 | 09:30:00 - 09:45:00 | 13 | Offline | 11 | 3 | 12 | 6.3 | 300.1 | -9.3 | 75.0 | 997.2 |
| 02/07/2022 | 09:45:00 - 10:00:00 | 14 | Offline | 12 | 3 | 13 | 5.2 | 313.4 | -8.8 | 74.0 | 997.3 |
| 02/07/2022 | 10:00:00 - 10:15:00 | 14 | Offline | 12 | 3 | 13 | 5.3 | 304.8 | -8.4 | 73.1 | 997.4 |
| 02/07/2022 | 10:15:00 - 10:30:00 | 14 | Offline | 12 | 3 | 14 | 5.7 | 319.4 | -8.4 | 73.1 | 997.5 |
| 02/07/2022 | 10:30:00 - 10:45:00 | 14 | Offline | 12 | 3 | 14 | 4.9 | 300.2 | -8.0 | 72.7 | 997.5 |
| 02/07/2022 | 10:45:00 - 11:00:00 | 14 | Offline | 12 | 3 | 14 | 4.8 | 286.3 | -7.8 | 72.4 | 997.6 |
| 02/07/2022 | 11:00:00 - 11:15:00 | 15 | Offline | 13 | 4 | 15 | 4.3 | 284.6 | -7.5 | 72.1 | 997.6 |
| 02/07/2022 | 11:15:00 - 11:30:00 | 15 | Offline | 13 | 4 | 15 | 4.5 | 291.8 | -7.3 | 71.4 | 997.6 |
| 02/07/2022 | 11:30:00 - 11:45:00 | 16 | 7 | 13 | 4 | 15 | 4.3 | 283.6 | -7.0 | 71.2 | 997.5 |
| 02/07/2022 | 11:45:00 - 12:00:00 | 16 | 7 | 13 | 4 | 15 | 4.9 | 277.5 | -6.9 | 71.1 | 997.3 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 02/07/2022 | 12:00:00 - 12:15:00 | 17 | 7 | 14 | 4 | 15 | 4.1 | 288.8 | -6.6 | 71.6 | 997.1 |
| 02/07/2022 | 12:15:00 - 12:30:00 | 17 | 7 | 14 | 4 | 16 | 4.5 | 280.5 | -6.2 | 70.7 | 997.0 |
| 02/07/2022 | 12:30:00 - 12:45:00 | 17 | 7 | 14 | 4 | 16 | 5.3 | 294.3 | -6.2 | 70.7 | 996.9 |
| 02/07/2022 | 12:45:00 - 13:00:00 | 17 | 7 | 14 | 4 | 16 | 4.1 | 302.4 | -5.8 | 70.7 | 996.8 |
| 02/07/2022 | 13:00:00 - 13:15:00 | 18 | 7 | 14 | 4 | 16 | 5.0 | 281.6 | -5.8 | 69.8 | 996.7 |
| 02/07/2022 | 13:15:00 - 13:30:00 | 18 | 7 | 14 | 4 | 16 | 4.9 | 281.1 | -5.7 | 70.0 | 996.5 |
| 02/07/2022 | 13:30:00 - 13:45:00 | 18 | 7 | 14 | 4 | 16 | 5.0 | 279.7 | -5.8 | 70.5 | 996.4 |
| 02/07/2022 | 13:45:00 - 14:00:00 | 18 | 7 | 15 | 4 | 16 | 4.2 | 276.5 | -5.3 | 69.3 | 996.3 |
| 02/07/2022 | 14:00:00 - 14:15:00 | 18 | 7 | 15 | 4 | 16 | 4.3 | 274.0 | -5.2 | 68.9 | 996.3 |
| 02/07/2022 | 14:15:00 - 14:30:00 | 18 | 8 | 15 | 4 | 16 | 4.0 | 295.7 | -5.2 | 69.4 | 996.3 |
| 02/07/2022 | 14:30:00 - 14:45:00 | 18 | 7 | 14 | 4 | 16 | 4.8 | 304.7 | -5.4 | 69.9 | 996.3 |
| 02/07/2022 | 14:45:00 - 15:00:00 | 18 | 7 | 14 | 4 | 16 | 4.6 | 289.1 | -5.5 | 70.2 | 996.1 |
| 02/07/2022 | 15:00:00 - 15:15:00 | 17 | 7 | 14 | 4 | 16 | 4.9 | 282.5 | -5.9 | 71.4 | 996.2 |
| 02/07/2022 | 15:15:00 - 15:30:00 | 18 | 7 | 14 | 4 | 16 | 4.4 | 305.6 | -6.1 | 72.6 | 996.2 |
| 02/07/2022 | 15:30:00 - 15:45:00 | 18 | 7 | 15 | 4 | 17 | 4.3 | 297.9 | -6.3 | 73.0 | 996.1 |
| 02/07/2022 | 15:45:00 - 16:00:00 | 18 | 7 | 15 | 4 | 17 | 4.2 | 279.6 | -6.3 | 73.3 | 996.0 |
| 02/07/2022 | 16:00:00 - 16:15:00 | 18 | 7 | 15 | 4 | 17 | 3.5 | 284.4 | -6.5 | 74.0 | 996.0 |
| 02/07/2022 | 16:15:00 - 16:30:00 | 19 | 7 | 15 | 4 | 17 | 3.7 | 284.8 | -6.7 | 74.5 | 995.9 |
| 02/07/2022 | 16:30:00 - 16:45:00 | 19 | 8 | 15 | 4 | 17 | 2.4 | 266.8 | -6.7 | 75.0 | 995.9 |
| 02/07/2022 | 16:45:00 - 17:00:00 | 19 | 7 | 15 | 4 | 17 | 2.8 | 279.8 | -6.8 | 74.7 | 995.8 |
| 02/07/2022 | 17:00:00 - 17:15:00 | 19 | 7 | 15 | 4 | 18 | 3.4 | 280.9 | -7.2 | 75.4 | 995.7 |
| 02/07/2022 | 17:15:00 - 17:30:00 | 19 | 8 | 15 | 4 | 18 | 2.2 | 282.0 | -7.6 | 76.8 | 995.6 |
| 02/07/2022 | 17:30:00 - 17:45:00 | 20 | 8 | 15 | 4 | 18 | 2.9 | 283.8 | -7.7 | 77.0 | 995.8 |
| 02/07/2022 | 17:45:00 - 18:00:00 | 19 | 8 | 15 | 4 | 18 | 2.7 | 297.1 | -7.6 | 77.6 | 996.0 |
| 02/07/2022 | 18:00:00 - 18:15:00 | 19 | 8 | 15 | 4 | 18 | 3.0 | 284.9 | -7.6 | 76.9 | 995.8 |
| 02/07/2022 | 18:15:00 - 18:30:00 | 19 | 7 | 14 | 4 | 17 | 2.4 | 270.8 | -7.6 | 76.2 | 995.8 |
| 02/07/2022 | 18:30:00 - 18:45:00 | 18 | 7 | 14 | 4 | 16 | 1.9 | 253.1 | -7.5 | 76.1 | 996.0 |
| 02/07/2022 | 18:45:00 - 19:00:00 | 18 | 7 | 14 | 4 | 16 | 1.6 | 261.6 | -7.5 | 76.4 | 996.1 |
| 02/07/2022 | 19:00:00 - 19:15:00 | 18 | 7 | 14 | 4 | 16 | 1.8 | 275.1 | -7.4 | 76.0 | 996.2 |
| 02/07/2022 | 19:15:00 - 19:30:00 | 18 | 7 | 14 | 4 | 16 | 2.0 | 290.9 | -7.3 | 75.5 | 996.4 |
| 02/07/2022 | 19:30:00 - 19:45:00 | 18 | 7 | 14 | 4 | 16 | 2.4 | 283.4 | -7.2 | 74.3 | 996.2 |
| 02/07/2022 | 19:45:00 - 20:00:00 | 17 | 7 | 14 | 4 | 16 | 1.5 | 239.7 | -7.1 | 74.6 | 996.0 |
| 02/07/2022 | 20:00:00 - 20:15:00 | 17 | 7 | 14 | 4 | 16 | 1.1 | 267.1 | -7.3 | 75.0 | 996.0 |
| 02/07/2022 | 20:15:00 - 20:30:00 | 16 | 6 | 14 | 4 | 16 | 1.3 | 229.5 | -7.5 | 75.6 | 995.7 |
| 02/07/2022 | 20:30:00 - 20:45:00 | 17 | 7 | 14 | 4 | 16 | 1.0 | 303.8 | -8.0 | 76.0 | 995.5 |
| 02/07/2022 | 20:45:00 - 21:00:00 | 16 | 7 | 13 | 4 | 15 | 0.9 | 310.1 | -8.2 | 76.9 | 995.4 |
| 02/07/2022 | 21:00:00 - 21:15:00 | 16 | 7 | 13 | 4 | 16 | 1.2 | 325.5 | -8.3 | 77.1 | 995.6 |
| 02/07/2022 | 21:15:00 - 21:30:00 | 17 | 7 | 14 | 4 | 16 | 1.5 | 329.0 | -8.5 | 78.3 | 995.6 |
| 02/07/2022 | 21:30:00 - 21:45:00 | 18 | 7 | 15 | 4 | 17 | 1.3 | 6.3 | -9.1 | 80.5 | 995.4 |
| 02/07/2022 | 21:45:00 - 22:00:00 | 19 | 7 | 15 | 4 | 17 | 1.2 | 34.8 | -9.5 | 82.3 | 995.3 |
| 02/07/2022 | 22:00:00 - 22:15:00 | 23 | 11 | 18 | 5 | 20 | 1.7 | 45.1 | -9.7 | 84.3 | 995.2 |
| 02/07/2022 | 22:15:00 - 22:30:00 | 25 | 14 | 19 | 8 | 24 | 1.3 | 34.8 | -9.8 | 85.0 | 995.0 |
| 02/07/2022 | 22:30:00 - 22:45:00 | 22 | 12 | 17 | 8 | 24 | 1.0 | 19.7 | -10.2 | 85.4 | 994.8 |
| 02/07/2022 | 22:45:00 - 23:00:00 | 21 | 10 | 16 | 7 | 21 | 1.3 | 23.2 | -10.0 | 85.8 | 994.7 |
| 02/07/2022 | 23:00:00 - 23:15:00 | 21 | 9 | 16 | 6 | 19 | 1.4 | 37.7 | -9.7 | 85.0 | 994.6 |
| 02/07/2022 | 23:15:00 - 23:30:00 | 21 | 8 | 16 | 5 | 20 | 0.2 | 84.7 | -9.3 | 83.0 | 994.7 |
| 02/07/2022 | 23:30:00 - 23:45:00 | 18 | 7 | 15 | 4 | 17 | 0.3 | 266.9 | -8.9 | 80.1 | 994.7 |
| 02/08/2022 | 23:45:00 - 00:00:00 | 19 | 7 | 15 | 4 | 17 | 0.1 | 199.5 | -9.0 | 81.5 | 994.4 |
| 02/08/2022 | 00:00:00 - 00:15:00 | 21 | 8 | 17 | 4 | 20 | 0.2 | 43.7 | -8.8 | 82.9 | 994.3 |
| 02/08/2022 | 00:15:00 - 00:30:00 | 28 | 10 | 21 | 6 | 25 | 1.1 | 123.9 | -8.9 | 83.4 | 993.9 |
| 02/08/2022 | 00:30:00 - 00:45:00 | 28 | 10 | 21 | 6 | 25 | 0.7 | 138.8 | -8.7 | 82.9 | 993.8 |
| 02/08/2022 | 00:45:00 - 01:00:00 | 24 | 9 | 19 | 5 | 22 | 0.1 | 176.9 | -8.4 | 82.0 | 993.6 |
| 02/08/2022 | 01:00:00 - 01:15:00 | 23 | 8 | 18 | 5 | 21 | 0.8 | 126.4 | -8.2 | 81.0 | 993.2 |
| 02/08/2022 | 01:15:00 - 01:30:00 | 21 | 7 | 16 | 5 | 19 | 0.4 | 173.9 | -7.9 | 79.1 | 993.1 |
| 02/08/2022 | 01:30:00 - 01:45:00 | 19 | 7 | 15 | 4 | 17 | 1.7 | 86.9 | -7.6 | 78.4 | 993.1 |
| 02/08/2022 | 01:45:00 - 02:00:00 | 18 | 7 | 15 | 4 | 17 | 1.2 | 119.8 | -7.6 | 78.1 | 992.9 |
| 02/08/2022 | 02:00:00 - 02:15:00 | 18 | 7 | 15 | 4 | 17 | 1.9 | 127.9 | -7.4 | 76.6 | 992.8 |
| 02/08/2022 | 02:15:00 - 02:30:00 | 17 | 7 | 14 | 4 | 16 | 1.3 | 132.9 | -7.4 | 76.0 | 992.5 |
| 02/08/2022 | 02:30:00 - 02:45:00 | 17 | 7 | 14 | 4 | 16 | 1.8 | 138.0 | -7.2 | 75.0 | 992.3 |
| 02/08/2022 | 02:45:00 - 03:00:00 | 16 | 6 | 13 | 4 | 16 | 1.2 | 157.6 | -7.2 | 74.8 | 992.2 |
| 02/08/2022 | 03:00:00 - 03:15:00 | 15 | 6 | 13 | 4 | 15 | 1.0 | 140.6 | -7.2 | 75.0 | 992.0 |
| 02/08/2022 | 03:15:00 - 03:30:00 | 15 | 6 | 13 | 3 | 15 | 2.6 | 126.5 | -7.2 | 75.0 | 991.7 |
| 02/08/2022 | 03:30:00 - 03:45:00 | 15 | 6 | 13 | 3 | 14 | 3.2 | 130.2 | -7.2 | 74.6 | 991.5 |
| 02/08/2022 | 03:45:00 - 04:00:00 | 14 | 6 | 12 | 3 | 14 | 3.0 | 130.8 | -7.1 | 74.5 | 991.4 |
| 02/08/2022 | 04:00:00 - 04:15:00 | 14 | 6 | 12 | 3 | 14 | 2.7 | 132.9 | -7.2 | 75.4 | 991.3 |
| 02/08/2022 | 04:15:00 - 04:30:00 | 15 | 6 | 13 | 3 | 15 | 2.9 | 134.1 | -7.3 | 76.1 | 991.2 |
| 02/08/2022 | 04:30:00 - 04:45:00 | 16 | 6 | 13 | 4 | 16 | 3.7 | 135.9 | -7.4 | 77.2 | 991.1 |
| 02/08/2022 | 04:45:00 - 05:00:00 | 18 | 7 | 15 | 4 | 17 | 3.9 | 130.4 | -7.5 | 78.2 | 991.0 |
| 02/08/2022 | 05:00:00 - 05:15:00 | 20 | 8 | 16 | 4 | 19 | 3.0 | 128.6 | -7.7 | 79.5 | 991.0 |
| 02/08/2022 | 05:15:00 - 05:30:00 | 21 | 8 | 17 | 5 | 19 | 3.6 | 133.0 | -7.7 | 80.0 | 990.9 |
| 02/08/2022 | 05:30:00 - 05:45:00 | 20 | 8 | 16 | 4 | 19 | 4.1 | 135.7 | -7.8 | 80.3 | 990.7 |
| 02/08/2022 | 05:45:00 - 06:00:00 | 20 | 8 | 16 | 5 | 19 | 4.9 | 136.7 | -7.9 | 81.0 | 990.4 |
| 02/08/2022 | 06:00:00 - 06:15:00 | 22 | 8 | 18 | 5 | 21 | 3.9 | 133.0 | -7.9 | 81.0 | 990.4 |
| 02/08/2022 | 06:15:00 - 06:30:00 | 23 | 9 | 19 | 5 | 22 | 2.7 | 134.5 | -7.9 | 81.4 | 990.4 |
| 02/08/2022 | 06:30:00 - 06:45:00 | 24 | 9 | 19 | 5 | 23 | 2.2 | 135.4 | -7.8 | 82.0 | 990.3 |
| 02/08/2022 | 06:45:00 - 07:00:00 | 25 | 9 | 20 | 6 | 24 | 1.4 | 124.5 | -7.8 | 82.0 | 990.2 |
| 02/08/2022 | 07:00:00 - 07:15:00 | 25 | 9 | 20 | 6 | 24 | 1.6 | 126.9 | -7.7 | 82.0 | 990.1 |
| 02/08/2022 | 07:15:00 - 07:30:00 | 25 | 9 | 20 | 6 | 24 | 1.9 | 133.1 | -7.5 | 81.5 | 989.9 |
| 02/08/2022 | 07:30:00 - 07:45:00 | 25 | 9 | 20 | 6 | 24 | 2.2 | 142.6 | -7.0 | 80.6 | 990.0 |
| 02/08/2022 | 07:45:00 - 08:00:00 | 24 | 9 | 19 | 5 | 23 | 1.6 | 160.3 | -6.4 | 78.7 | 990.1 |
| 02/08/2022 | 08:00:00 - 08:15:00 | 23 | 8 | 18 | 5 | 21 | 2.2 | 162.7 | -5.7 | 77.0 | 989.9 |
| 02/08/2022 | 08:15:00 - 08:30:00 | 21 | 8 | 17 | 5 | 20 | 1.8 | 174.1 | -5.0 | 75.3 | 989.9 |
| 02/08/2022 | 08:30:00 - 08:45:00 | 20 | 7 | 16 | 4 | 19 | 1.9 | 197.8 | -4.6 | 73.9 | 989.9 |
| 02/08/2022 | 08:45:00 - 09:00:00 | 19 | 7 | 16 | 4 | 18 | 2.6 | 207.3 | -4.3 | 73.8 | 989.8 |
| 02/08/2022 | 09:00:00 - 09:15:00 | 19 | 7 | 16 | 4 | 18 | 2.3 | 195.8 | -3.9 | 73.3 | 989.9 |
| 02/08/2022 | 09:15:00 - 09:30:00 | 18 | 7 | 15 | 4 | 17 | 1.8 | 180.4 | -2.9 | 71.8 | 989.8 |
| 02/08/2022 | 09:30:00 - 09:45:00 | 17 | 7 | 15 | 4 | 17 | 2.2 | 172.3 | -2.3 | 70.9 | 989.7 |
| 02/08/2022 | 09:45:00 - 10:00:00 | 16 | 6 | 14 | 4 | 16 | 2.5 | 156.5 | -1.6 | 70.4 | 989.6 |
| 02/08/2022 | 10:00:00 - 10:15:00 | 16 | 6 | 13 | 4 | 16 | 2.4 | 169.0 | -1.2 | 70.9 | 989.5 |
| 02/08/2022 | 10:15:00 - 10:30:00 | 15 | 6 | 13 | 4 | 15 | 2.4 | 165.3 | -0.1 | 69.7 | 989.5 |
| 02/08/2022 | 10:30:00 - 10:45:00 | 16 | 6 | 13 | 4 | 16 | 3.6 | 183.0 | 0.9 | 68.6 | 989.4 |
| 02/08/2022 | 10:45:00 - 11:00:00 | 15 | 6 | 13 | 4 | 15 | 4.0 | 192.6 | 1.5 | 68.7 | 989.3 |
| 02/08/2022 | 11:00:00 - 11:15:00 | 15 | 5 | 12 | 3 | 15 | 6.2 | 199.2 | 1.9 | 68.4 | 989.1 |
| 02/08/2022 | 11:15:00 - 11:30:00 | 15 | 5 | 12 | 3 | 14 | 6.1 | 204.8 | 2.1 | 68.9 | 988.8 |
| 02/08/2022 | 11:30:00 - 11:45:00 | 16 | 5 | 12 | 3 | 14 | 5.8 | 193.1 | 2.6 | 68.4 | 988.5 |
| 02/08/2022 | 11:45:00 - 12:00:00 | 16 | 6 | 12 | 3 | 14 | 5.3 | 193.4 | 3.3 | 67.6 | 988.3 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 02/08/2022 | 12:00:00 - 12:15:00 | 18 | 6 | 12 | 3 | 14 | 4.9 | 197.8 | 3.9 | 65.7 | 988.1 |
| 02/08/2022 | 12:15:00 - 12:30:00 | 16 | 5 | 12 | 3 | 13 | 4.3 | 190.3 | 4.4 | 64.6 | 988.0 |
| 02/08/2022 | 12:30:00 - 12:45:00 | 16 | 5 | 12 | 3 | 14 | 5.8 | 197.7 | 4.5 | 64.1 | 987.7 |
| 02/08/2022 | 12:45:00 - 13:00:00 | 16 | 5 | 12 | 3 | 14 | 5.4 | 200.5 | 4.8 | 63.5 | 987.3 |
| 02/08/2022 | 13:00:00 - 13:15:00 | 16 | 5 | 12 | 3 | 14 | 4.5 | 200.6 | 5.3 | 62.9 | 987.1 |
| 02/08/2022 | 13:15:00 - 13:30:00 | 16 | 6 | 12 | 3 | 14 | 4.3 | 199.2 | 5.6 | 62.2 | 986.8 |
| 02/08/2022 | 13:30:00 - 13:45:00 | 17 | 6 | 12 | 4 | 14 | 4.0 | 196.0 | 5.7 | 62.8 | 986.5 |
| 02/08/2022 | 13:45:00 - 14:00:00 | 17 | 6 | 12 | 4 | 14 | 3.3 | 183.2 | 6.1 | 62.6 | 986.4 |
| 02/08/2022 | 14:00:00 - 14:15:00 | 18 | 6 | 13 | 4 | 15 | 3.3 | 181.1 | 5.8 | 64.2 | 986.3 |
| 02/08/2022 | 14:15:00 - 14:30:00 | 18 | 6 | 13 | 4 | 15 | 3.1 | 181.1 | 6.1 | 63.8 | 986.1 |
| 02/08/2022 | 14:30:00 - 14:45:00 | 18 | 6 | 13 | 4 | 16 | 2.8 | 168.1 | 6.1 | 63.7 | 986.0 |
| 02/08/2022 | 14:45:00 - 15:00:00 | 18 | 6 | 13 | 4 | 16 | 3.8 | 190.6 | 5.8 | 65.2 | 985.8 |
| 02/08/2022 | 15:00:00 - 15:15:00 | 18 | 6 | 13 | 4 | 16 | 3.5 | 175.5 | 5.7 | 66.1 | 985.6 |
| 02/08/2022 | 15:15:00 - 15:30:00 | 18 | 6 | 13 | 5 | 16 | 3.1 | 170.6 | 5.4 | 67.6 | 985.5 |
| 02/08/2022 | 15:30:00 - 15:45:00 | 18 | 6 | 13 | 4 | 16 | 2.9 | 168.6 | 5.2 | 68.9 | 985.5 |
| 02/08/2022 | 15:45:00 - 16:00:00 | 18 | 6 | 13 | 4 | 15 | 2.6 | 176.8 | 5.2 | 69.0 | 985.5 |
| 02/08/2022 | 16:00:00 - 16:15:00 | 17 | 6 | 13 | 4 | 15 | 3.4 | 179.4 | 5.1 | 69.0 | 985.3 |
| 02/08/2022 | 16:15:00 - 16:30:00 | 17 | 6 | 13 | 4 | 15 | 3.3 | 180.1 | 5.1 | 68.9 | 985.2 |
| 02/08/2022 | 16:30:00 - 16:45:00 | 17 | 6 | 13 | 4 | 15 | 3.2 | 181.4 | 4.7 | 70.3 | 985.1 |
| 02/08/2022 | 16:45:00 - 17:00:00 | 16 | 6 | 13 | 4 | 15 | 2.7 | 155.5 | 4.3 | 72.1 | 985.2 |
| 02/08/2022 | 17:00:00 - 17:15:00 | 16 | 6 | 13 | 4 | 15 | 3.0 | 155.4 | 4.0 | 73.5 | 985.1 |
| 02/08/2022 | 17:15:00 - 17:30:00 | 16 | 6 | 13 | 3 | 15 | 2.3 | 142.9 | 3.8 | 74.2 | 985.0 |
| 02/08/2022 | 17:30:00 - 17:45:00 | 16 | 6 | 13 | 4 | 15 | 2.8 | 152.0 | 4.0 | 73.7 | 984.9 |
| 02/08/2022 | 17:45:00 - 18:00:00 | 15 | 6 | 13 | 3 | 15 | 2.8 | 138.3 | 3.8 | 74.3 | 985.0 |
| 02/08/2022 | 18:00:00 - 18:15:00 | 15 | 6 | 13 | 3 | 15 | 2.8 | 131.6 | 3.7 | 75.0 | 985.1 |
| 02/08/2022 | 18:15:00 - 18:30:00 | 15 | 6 | 13 | 3 | 14 | 2.9 | 149.6 | 3.5 | 75.7 | 985.1 |
| 02/08/2022 | 18:30:00 - 18:45:00 | 15 | 6 | 13 | 3 | 14 | 3.0 | 153.8 | 3.4 | 76.0 | 985.1 |
| 02/08/2022 | 18:45:00 - 19:00:00 | 14 | 6 | 12 | 3 | 14 | 2.9 | 158.6 | 3.6 | 75.5 | 985.0 |
| 02/08/2022 | 19:00:00 - 19:15:00 | 14 | 5 | 12 | 3 | 13 | 3.3 | 169.3 | 3.6 | 75.2 | 985.1 |
| 02/08/2022 | 19:15:00 - 19:30:00 | 13 | 5 | 12 | 3 | 13 | 3.0 | 160.4 | 3.8 | 75.0 | 985.0 |
| 02/08/2022 | 19:30:00 - 19:45:00 | 12 | 5 | 11 | 3 | 12 | 3.4 | 176.1 | 4.2 | 73.6 | 984.8 |
| 02/08/2022 | 19:45:00 - 20:00:00 | 11 | 5 | 10 | 3 | 11 | 5.1 | 186.5 | 4.5 | 72.0 | 984.8 |
| 02/08/2022 | 20:00:00 - 20:15:00 | 10 | 4 | 10 | 2 | 10 | 4.7 | 186.7 | 4.5 | 72.0 | 984.5 |
| 02/08/2022 | 20:15:00 - 20:30:00 | 10 | 4 | 9 | 2 | 10 | 5.4 | 198.0 | 4.5 | 72.2 | 984.3 |
| 02/08/2022 | 20:30:00 - 20:45:00 | 9 | 4 | 9 | 2 | 9 | 6.7 | 197.0 | 4.4 | 72.8 | 984.2 |
| 02/08/2022 | 20:45:00 - 21:00:00 | 9 | 4 | 8 | 2 | 9 | 7.8 | 199.2 | 4.5 | 72.9 | 984.1 |
| 02/08/2022 | 21:00:00 - 21:15:00 | 8 | 4 | 8 | 2 | 8 | 7.0 | 204.7 | 4.3 | 73.9 | 983.9 |
| 02/08/2022 | 21:15:00 - 21:30:00 | 8 | 4 | 8 | 2 | 8 | 6.4 | 197.3 | 4.2 | 74.5 | 983.8 |
| 02/08/2022 | 21:30:00 - 21:45:00 | 7 | 3 | 7 | 2 | 8 | 5.4 | 199.8 | 4.1 | 75.3 | 983.7 |
| 02/08/2022 | 21:45:00 - 22:00:00 | 7 | 3 | 7 | 2 | 7 | 5.2 | 202.8 | 3.9 | 76.1 | 983.7 |
| 02/08/2022 | 22:00:00 - 22:15:00 | 7 | 3 | 7 | 2 | 7 | 5.6 | 201.7 | 3.8 | 76.9 | 983.5 |
| 02/08/2022 | 22:15:00 - 22:30:00 | 7 | 3 | 7 | 2 | 7 | 5.1 | 200.0 | 3.7 | 77.6 | 983.4 |
| 02/08/2022 | 22:30:00 - 22:45:00 | 6 | 3 | 7 | 2 | 6 | 5.3 | 198.0 | 3.6 | 78.2 | 983.4 |
| 02/08/2022 | 22:45:00 - 23:00:00 | 6 | 3 | 7 | 2 | 6 | 4.6 | 191.2 | 3.5 | 79.0 | 983.4 |
| 02/08/2022 | 23:00:00 - 23:15:00 | 6 | 3 | 7 | 2 | 7 | 2.3 | 207.6 | 3.4 | 79.5 | 983.6 |
| 02/08/2022 | 23:15:00 - 23:30:00 | 6 | 3 | 7 | 2 | 6 | 3.1 | 220.2 | 3.3 | 80.1 | 983.6 |
| 02/08/2022 | 23:30:00 - 23:45:00 | 6 | 3 | 6 | 2 | 6 | 2.6 | 228.9 | 3.4 | 80.2 | 983.5 |
| 02/09/2022 | 23:45:00 - 00:00:00 | 6 | 3 | 6 | 2 | 6 | 2.1 | 242.1 | 3.4 | 80.5 | 983.6 |
| 02/09/2022 | 00:00:00 - 00:15:00 | 6 | 3 | 6 | 2 | 6 | 2.0 | 230.5 | 3.3 | 81.2 | 983.4 |
| 02/09/2022 | 00:15:00 - 00:30:00 | 6 | 3 | 6 | 2 | 6 | 1.0 | 232.5 | 3.1 | 82.0 | 983.3 |
| 02/09/2022 | 00:30:00 - 00:45:00 | 6 | 3 | 6 | 2 | 6 | 1.0 | 245.9 | 3.3 | 81.3 | 983.2 |
| 02/09/2022 | 00:45:00 - 01:00:00 | 6 | 3 | 7 | 2 | 6 | 1.9 | 260.9 | 3.2 | 81.3 | 983.2 |
| 02/09/2022 | 01:00:00 - 01:15:00 | 6 | 3 | 7 | 2 | 7 | 1.7 | 208.8 | 3.0 | 82.2 | 983.2 |
| 02/09/2022 | 01:15:00 - 01:30:00 | 6 | 3 | 7 | 2 | 7 | 2.2 | 207.1 | 2.7 | 83.5 | 983.1 |
| 02/09/2022 | 01:30:00 - 01:45:00 | 7 | 3 | 7 | 2 | 7 | 1.8 | 193.0 | 2.6 | 84.0 | 983.2 |
| 02/09/2022 | 01:45:00 - 02:00:00 | 7 | 3 | 7 | 2 | 7 | 1.1 | 202.0 | 2.4 | 85.0 | 983.2 |
| 02/09/2022 | 02:00:00 - 02:15:00 | 7 | 3 | 7 | 2 | 7 | 1.2 | 175.5 | 2.2 | 85.1 | 983.1 |
| 02/09/2022 | 02:15:00 - 02:30:00 | 8 | 4 | 8 | 2 | 8 | 1.3 | 190.7 | 1.9 | 86.2 | 982.9 |
| 02/09/2022 | 02:30:00 - 02:45:00 | 9 | 4 | 8 | 2 | 9 | 2.0 | 190.1 | 1.6 | 87.2 | 982.8 |
| 02/09/2022 | 02:45:00 - 03:00:00 | 9 | 4 | 9 | 2 | 9 | 1.4 | 184.8 | 1.4 | 88.0 | 982.7 |
| 02/09/2022 | 03:00:00 - 03:15:00 | 9 | 4 | 8 | 2 | 9 | 1.5 | 173.9 | 1.3 | 88.0 | 982.4 |
| 02/09/2022 | 03:15:00 - 03:30:00 | 8 | 4 | 8 | 2 | 8 | 1.4 | 194.6 | 1.3 | 88.0 | 982.2 |
| 02/09/2022 | 03:30:00 - 03:45:00 | 8 | 4 | 8 | 2 | 8 | 1.7 | 237.4 | 1.5 | 87.2 | 982.1 |
| 02/09/2022 | 03:45:00 - 04:00:00 | 7 | 4 | 8 | 2 | 8 | 1.7 | 195.9 | 1.6 | 86.2 | 982.0 |
| 02/09/2022 | 04:00:00 - 04:15:00 | 7 | 4 | 7 | 2 | 8 | 1.6 | 212.6 | 1.3 | 86.7 | 981.8 |
| 02/09/2022 | 04:15:00 - 04:30:00 | 7 | 4 | 7 | 2 | 8 | 1.2 | 168.2 | 0.9 | 87.3 | 981.8 |
| 02/09/2022 | 04:30:00 - 04:45:00 | 8 | 4 | 8 | 2 | 8 | 2.0 | 192.8 | 0.8 | 88.2 | 981.8 |
| 02/09/2022 | 04:45:00 - 05:00:00 | 8 | 4 | 8 | 2 | 9 | 2.4 | 191.4 | 0.8 | 88.1 | 981.8 |
| 02/09/2022 | 05:00:00 - 05:15:00 | 8 | 4 | 8 | 2 | 9 | 2.7 | 195.5 | 0.9 | 88.0 | 981.8 |
| 02/09/2022 | 05:15:00 - 05:30:00 | 8 | 4 | 8 | 2 | 9 | 2.2 | 193.3 | 0.9 | 88.0 | 981.8 |
| 02/09/2022 | 05:30:00 - 05:45:00 | 8 | 4 | 8 | 2 | 8 | 2.4 | 202.9 | 1.0 | 87.3 | 981.9 |
| 02/09/2022 | 05:45:00 - 06:00:00 | 7 | 4 | 7 | 2 | 7 | 2.5 | 206.7 | 1.2 | 86.0 | 981.9 |
| 02/09/2022 | 06:00:00 - 06:15:00 | 6 | 3 | 7 | 2 | 7 | 2.3 | 195.1 | 1.3 | 85.0 | 982.0 |
| 02/09/2022 | 06:15:00 - 06:30:00 | 6 | 3 | 7 | 2 | 7 | 2.1 | 202.5 | 1.4 | 84.1 | 982.1 |
| 02/09/2022 | 06:30:00 - 06:45:00 | 6 | 3 | 6 | 2 | 7 | 3.0 | 223.0 | 1.4 | 84.0 | 982.3 |
| 02/09/2022 | 06:45:00 - 07:00:00 | 6 | 3 | 7 | 2 | 7 | 3.1 | 221.4 | 1.2 | 84.0 | 982.6 |
| 02/09/2022 | 07:00:00 - 07:15:00 | 6 | 3 | 7 | 2 | 7 | 3.2 | 223.5 | 0.7 | 84.1 | 982.6 |
| 02/09/2022 | 07:15:00 - 07:30:00 | 6 | 4 | 7 | 2 | 7 | 2.3 | 239.1 | 0.3 | 85.1 | 982.7 |
| 02/09/2022 | 07:30:00 - 07:45:00 | 6 | 6 | 7 | 2 | 7 | 2.5 | 244.9 | 0.1 | 85.9 | 982.8 |
| 02/09/2022 | 07:45:00 - 08:00:00 | 7 | 4 | 7 | 2 | 7 | 3.0 | 250.9 | 0.7 | 84.2 | 983.0 |
| 02/09/2022 | 08:00:00 - 08:15:00 | 6 | 3 | 6 | 2 | 6 | 4.0 | 259.2 | 1.5 | 81.2 | 983.2 |
| 02/09/2022 | 08:15:00 - 08:30:00 | 5 | 3 | 5 | 1 | 6 | 4.1 | 256.4 | 2.1 | 78.5 | 983.2 |
| 02/09/2022 | 08:30:00 - 08:45:00 | 5 | 3 | 5 | 1 | 6 | 4.4 | 261.9 | 2.4 | 77.2 | 983.2 |
| 02/09/2022 | 08:45:00 - 09:00:00 | 5 | 3 | 5 | 1 | 5 | 4.8 | 263.5 | 2.9 | 75.2 | 983.2 |
| 02/09/2022 | 09:00:00 - 09:15:00 | 6 | 11 | 6 | 1 | 5 | 3.6 | 269.7 | 3.3 | 73.5 | 983.2 |
| 02/09/2022 | 09:15:00 - 09:30:00 | 5 | 3 | 5 | 1 | 5 | 4.0 | 269.4 | 3.8 | 72.1 | 983.2 |
| 02/09/2022 | 09:30:00 - 09:45:00 | 5 | 3 | 5 | 1 | 5 | 3.8 | 266.5 | 4.2 | 70.7 | 983.1 |
| 02/09/2022 | 09:45:00 - 10:00:00 | 4 | 3 | 5 | 1 | 4 | 4.0 | 271.2 | 4.5 | 69.4 | 983.1 |
| 02/09/2022 | 10:00:00 - 10:15:00 | 5 | 3 | 5 | 1 | 4 | 4.0 | 276.8 | 5.1 | 67.3 | 983.1 |
| 02/09/2022 | 10:15:00 - 10:30:00 | 5 | 2 | 4 | 1 | 4 | 4.7 | 261.8 | 5.5 | 65.9 | 983.1 |
| 02/09/2022 | 10:30:00 - 10:45:00 | 6 | 3 | 5 | 1 | 5 | 5.1 | 266.5 | 5.4 | 66.2 | 983.1 |
| 02/09/2022 | 10:45:00 - 11:00:00 | 6 | 2 | 5 | 1 | 5 | 3.3 | 255.6 | 5.2 | 67.3 | 983.1 |
| 02/09/2022 | 11:00:00 - 11:15:00 | 5 | 2 | 5 | 1 | 5 | 3.6 | 240.6 | 5.1 | 68.2 | 982.9 |
| 02/09/2022 | 11:15:00 - 11:30:00 | 6 | 2 | 5 | 1 | 5 | 3.7 | 223.1 | 5.0 | 69.4 | 982.9 |
| 02/09/2022 | 11:30:00 - 11:45:00 | 6 | 2 | 5 | 1 | 5 | 4.1 | 234.5 | 5.4 | 68.5 | 982.8 |
| 02/09/2022 | 11:45:00 - 12:00:00 | 6 | 3 | 5 | 2 | 5 | 6.3 | 249.5 | 5.2 | 67.6 | 982.9 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 02/09/2022 | 12:00:00 - 12:15:00 | 6 | 3 | 5 | 2 | 6 | 6.6 | 250.7 | 4.8 | 69.0 | 982.8 |
| 02/09/2022 | 12:15:00 - 12:30:00 | 6 | 3 | 5 | 2 | 5 | 4.6 | 248.4 | 4.9 | 69.3 | 982.7 |
| 02/09/2022 | 12:30:00 - 12:45:00 | 6 | 3 | 5 | 2 | 5 | 4.7 | 255.7 | 4.9 | 69.6 | 982.7 |
| 02/09/2022 | 12:45:00 - 13:00:00 | 6 | 2 | 4 | 1 | 5 | 6.1 | 259.0 | 4.7 | 69.1 | 982.6 |
| 02/09/2022 | 13:00:00 - 13:15:00 | 6 | 2 | 4 | 1 | 4 | 7.2 | 259.6 | 4.3 | 69.7 | 982.6 |
| 02/09/2022 | 13:15:00 - 13:30:00 | 5 | 2 | 4 | 1 | 4 | 5.1 | 259.1 | 4.4 | 70.0 | 982.5 |
| 02/09/2022 | 13:30:00 - 13:45:00 | 5 | 2 | 4 | 1 | 4 | 5.7 | 259.0 | 4.5 | 70.0 | 982.3 |
| 02/09/2022 | 13:45:00 - 14:00:00 | 5 | 2 | 4 | 1 | 4 | 6.4 | 264.6 | 4.5 | 69.7 | 982.3 |
| 02/09/2022 | 14:00:00 - 14:15:00 | 5 | 2 | 4 | 1 | 4 | 6.0 | 267.7 | 4.6 | 69.8 | 982.4 |
| 02/09/2022 | 14:15:00 - 14:30:00 | 5 | 2 | 4 | 1 | 4 | 5.0 | 261.4 | 4.5 | 70.4 | 982.5 |
| 02/09/2022 | 14:30:00 - 14:45:00 | 5 | 2 | 4 | 2 | 4 | 5.4 | 258.9 | 4.6 | 70.5 | 982.6 |
| 02/09/2022 | 14:45:00 - 15:00:00 | 5 | 2 | 5 | 1 | 5 | 6.1 | 258.0 | 4.5 | 70.9 | 982.7 |
| 02/09/2022 | 15:00:00 - 15:15:00 | 5 | 3 | 5 | 2 | 5 | 5.5 | 263.2 | 4.3 | 71.7 | 982.7 |
| 02/09/2022 | 15:15:00 - 15:30:00 | 5 | 2 | 5 | 2 | 4 | 5.3 | 255.1 | 4.3 | 72.1 | 982.8 |
| 02/09/2022 | 15:30:00 - 15:45:00 | 5 | 2 | 5 | 1 | 4 | 5.8 | 257.0 | 4.2 | 72.2 | 983.0 |
| 02/09/2022 | 15:45:00 - 16:00:00 | 5 | 2 | 5 | 1 | 5 | 5.5 | 261.3 | 4.2 | 72.8 | 983.3 |
| 02/09/2022 | 16:00:00 - 16:15:00 | 5 | 2 | 5 | 1 | 4 | 4.8 | 262.5 | 4.2 | 73.3 | 983.5 |
| 02/09/2022 | 16:15:00 - 16:30:00 | 5 | 2 | 5 | 1 | 5 | 5.2 | 262.1 | 4.2 | 73.5 | 983.6 |
| 02/09/2022 | 16:30:00 - 16:45:00 | 5 | 2 | 5 | 1 | 5 | 5.4 | 256.5 | 4.0 | 74.0 | 983.7 |
| 02/09/2022 | 16:45:00 - 17:00:00 | 4 | 2 | 5 | 1 | 4 | 4.1 | 264.3 | 3.8 | 75.0 | 983.8 |
| 02/09/2022 | 17:00:00 - 17:15:00 | 4 | 2 | 5 | 1 | 4 | 3.9 | 257.9 | 3.6 | 75.9 | 983.9 |
| 02/09/2022 | 17:15:00 - 17:30:00 | 3 | 2 | 4 | 1 | 4 | 4.1 | 258.4 | 3.6 | 76.0 | 984.0 |
| 02/09/2022 | 17:30:00 - 17:45:00 | 3 | 2 | 4 | 1 | 3 | 3.9 | 259.1 | 3.6 | 76.0 | 984.1 |
| 02/09/2022 | 17:45:00 - 18:00:00 | 3 | 2 | 4 | 1 | 3 | 3.1 | 264.4 | 3.6 | 76.3 | 984.4 |
| 02/09/2022 | 18:00:00 - 18:15:00 | 3 | 2 | 4 | 1 | 3 | 3.0 | 263.1 | 3.6 | 77.3 | 984.5 |
| 02/09/2022 | 18:15:00 - 18:30:00 | 2 | 2 | 3 | 1 | 3 | 1.7 | 240.0 | 3.4 | 78.7 | 984.7 |
| 02/09/2022 | 18:30:00 - 18:45:00 | 2 | 2 | 3 | 1 | 3 | 2.2 | 262.6 | 3.2 | 80.0 | 984.9 |
| 02/09/2022 | 18:45:00 - 19:00:00 | 2 | 2 | 3 | 1 | 2 | 3.6 | 267.4 | 3.4 | 79.1 | 985.0 |
| 02/09/2022 | 19:00:00 - 19:15:00 | 2 | 2 | 3 | 1 | 3 | 3.7 | 265.4 | 3.4 | 78.7 | 985.2 |
| 02/09/2022 | 19:15:00 - 19:30:00 | 2 | 2 | 4 | 1 | 3 | 5.1 | 268.9 | 3.6 | 76.2 | 985.2 |
| 02/09/2022 | 19:30:00 - 19:45:00 | 3 | 2 | 4 | 1 | 4 | 6.6 | 266.9 | 3.7 | 74.2 | 985.3 |
| 02/09/2022 | 19:45:00 - 20:00:00 | 3 | 2 | 4 | 1 | 4 | 5.6 | 269.5 | 3.5 | 74.4 | 985.5 |
| 02/09/2022 | 20:00:00 - 20:15:00 | 3 | 2 | 4 | 1 | 4 | 4.6 | 274.6 | 3.4 | 75.0 | 985.5 |
| 02/09/2022 | 20:15:00 - 20:30:00 | 3 | 2 | 4 | 1 | 3 | 4.3 | 280.2 | 3.3 | 74.9 | 985.3 |
| 02/09/2022 | 20:30:00 - 20:45:00 | 2 | 2 | 4 | 1 | 3 | 4.1 | 270.5 | 3.3 | 74.9 | 985.3 |
| 02/09/2022 | 20:45:00 - 21:00:00 | 3 | 2 | 4 | 1 | 3 | 4.0 | 258.3 | 3.0 | 75.3 | 985.5 |
| 02/09/2022 | 21:00:00 - 21:15:00 | 3 | 2 | 4 | 1 | 3 | 3.2 | 256.3 | 2.6 | 76.7 | 985.3 |
| 02/09/2022 | 21:15:00 - 21:30:00 | 3 | 2 | 4 | 1 | 3 | 3.1 | 268.1 | 2.5 | 76.9 | 985.5 |
| 02/09/2022 | 21:30:00 - 21:45:00 | 3 | 2 | 4 | 1 | 4 | 3.3 | 263.4 | 2.4 | 77.1 | 985.7 |
| 02/09/2022 | 21:45:00 - 22:00:00 | 3 | 2 | 4 | 1 | 3 | 3.6 | 261.4 | 2.4 | 77.0 | 985.7 |
| 02/09/2022 | 22:00:00 - 22:15:00 | 3 | 2 | 4 | 1 | 3 | 4.4 | 267.7 | 2.4 | 76.1 | 985.8 |
| 02/09/2022 | 22:15:00 - 22:30:00 | 3 | 2 | 4 | 1 | 3 | 4.1 | 281.4 | 2.3 | 77.0 | 985.7 |
| 02/09/2022 | 22:30:00 - 22:45:00 | 3 | 2 | 4 | 1 | 3 | 4.7 | 276.3 | 1.9 | 80.7 | 985.8 |
| 02/09/2022 | 22:45:00 - 23:00:00 | 3 | 2 | 4 | 1 | 3 | 3.3 | 284.6 | 1.7 | 82.6 | 985.7 |
| 02/09/2022 | 23:00:00 - 23:15:00 | 3 | 2 | 4 | 1 | 4 | 4.4 | 264.5 | 1.6 | 83.3 | 985.7 |
| 02/09/2022 | 23:15:00 - 23:30:00 | 3 | 3 | 4 | 1 | 4 | 3.6 | 272.4 | 1.7 | 82.8 | 985.8 |
| 02/09/2022 | 23:30:00 - 23:45:00 | 3 | 3 | 4 | 1 | 4 | 3.4 | 274.3 | 1.6 | 83.2 | 985.9 |
| 02/10/2022 | 23:45:00 - 00:00:00 | 3 | 2 | 5 | 1 | 4 | 4.4 | 256.9 | 1.2 | 84.9 | 985.9 |
| 02/10/2022 | 00:00:00 - 00:15:00 | 3 | 3 | 4 | 1 | 4 | 3.2 | 263.2 | 1.0 | 86.4 | 985.9 |
| 02/10/2022 | 00:15:00 - 00:30:00 | 3 | 2 | 4 | 1 | 4 | 4.0 | 268.9 | 1.0 | 87.0 | 986.0 |
| 02/10/2022 | 00:30:00 - 00:45:00 | 3 | 3 | 4 | 1 | 4 | 3.7 | 272.7 | 1.0 | 86.4 | 986.2 |
| 02/10/2022 | 00:45:00 - 01:00:00 | 3 | 2 | 4 | 1 | 4 | 4.0 | 265.8 | 1.0 | 87.0 | 986.3 |
| 02/10/2022 | 01:00:00 - 01:15:00 | 3 | 3 | 5 | 1 | 4 | 2.7 | 280.4 | 0.9 | 87.0 | 986.3 |
| 02/10/2022 | 01:15:00 - 01:30:00 | 3 | 3 | 4 | 1 | 4 | 4.1 | 287.4 | 0.7 | 85.2 | 986.2 |
| 02/10/2022 | 01:30:00 - 01:45:00 | 2 | 3 | 4 | 1 | 3 | 4.3 | 300.6 | 0.5 | 83.6 | 986.2 |
| 02/10/2022 | 01:45:00 - 02:00:00 | 3 | 3 | 4 | 1 | 3 | 3.6 | 290.3 | 0.2 | 83.6 | 986.4 |
| 02/10/2022 | 02:00:00 - 02:15:00 | 3 | 3 | 4 | 1 | 3 | 4.2 | 292.8 | 0.1 | 83.6 | 986.3 |
| 02/10/2022 | 02:15:00 - 02:30:00 | 3 | 3 | 4 | 1 | 4 | 4.3 | 282.2 | 0.0 | 84.8 | 986.5 |
| 02/10/2022 | 02:30:00 - 02:45:00 | 3 | 3 | 5 | 1 | 4 | 5.0 | 294.6 | 0.1 | 83.6 | 986.5 |
| 02/10/2022 | 02:45:00 - 03:00:00 | 3 | 2 | 5 | 1 | 4 | 4.4 | 299.7 | 0.0 | 81.5 | 986.5 |
| 02/10/2022 | 03:00:00 - 03:15:00 | 3 | 3 | 4 | 1 | 4 | 6.1 | 300.1 | 0.0 | 80.8 | 986.4 |
| 02/10/2022 | 03:15:00 - 03:30:00 | 2 | 2 | 4 | 1 | 3 | 5.0 | 303.4 | -0.2 | 80.8 | 986.3 |
| 02/10/2022 | 03:30:00 - 03:45:00 | 2 | 2 | 4 | 1 | 3 | 5.2 | 307.5 | -0.3 | 81.0 | 986.3 |
| 02/10/2022 | 03:45:00 - 04:00:00 | 2 | 2 | 4 | 1 | 3 | 3.2 | 314.4 | -0.6 | 82.1 | 986.3 |
| 02/10/2022 | 04:00:00 - 04:15:00 | 2 | 2 | 4 | 1 | 3 | 2.8 | 294.7 | -0.8 | 83.0 | 986.5 |
| 02/10/2022 | 04:15:00 - 04:30:00 | 2 | 3 | 4 | 1 | 3 | 2.9 | 288.0 | -0.7 | 82.9 | 986.8 |
| 02/10/2022 | 04:30:00 - 04:45:00 | 2 | 2 | 4 | 1 | 4 | 4.7 | 311.6 | -0.6 | 81.6 | 987.1 |
| 02/10/2022 | 04:45:00 - 05:00:00 | 3 | 3 | 5 | 1 | 4 | 5.0 | 298.8 | -0.5 | 80.3 | 987.2 |
| 02/10/2022 | 05:00:00 - 05:15:00 | 3 | 2 | 5 | 1 | 4 | 5.4 | 308.5 | -0.7 | 80.1 | 987.4 |
| 02/10/2022 | 05:15:00 - 05:30:00 | 4 | 3 | 5 | 1 | 5 | 5.4 | 287.5 | -0.7 | 79.0 | 987.6 |
| 02/10/2022 | 05:30:00 - 05:45:00 | 4 | 3 | 5 | 1 | 5 | 3.8 | 278.9 | -0.7 | 79.8 | 987.7 |
| 02/10/2022 | 05:45:00 - 06:00:00 | 4 | 3 | 5 | 1 | 5 | 3.6 | 272.7 | -0.8 | 80.2 | 987.8 |
| 02/10/2022 | 06:00:00 - 06:15:00 | 5 | 3 | 6 | 1 | 5 | 3.5 | 271.6 | -0.8 | 81.4 | 988.1 |
| 02/10/2022 | 06:15:00 - 06:30:00 | 5 | 3 | 6 | 2 | 6 | 3.3 | 286.8 | -0.9 | 82.4 | 988.2 |
| 02/10/2022 | 06:30:00 - 06:45:00 | 5 | 3 | 6 | 2 | 6 | 3.1 | 286.6 | -0.9 | 82.9 | 988.3 |
| 02/10/2022 | 06:45:00 - 07:00:00 | 5 | 3 | 6 | 2 | 6 | 3.3 | 275.7 | -0.9 | 83.0 | 988.5 |
| 02/10/2022 | 07:00:00 - 07:15:00 | 6 | 3 | 7 | 2 | 6 | 3.3 | 275.7 | -0.8 | 82.9 | 988.7 |
| 02/10/2022 | 07:15:00 - 07:30:00 | 6 | 3 | 6 | 2 | 6 | 3.1 | 278.1 | -0.8 | 82.6 | 989.0 |
| 02/10/2022 | 07:30:00 - 07:45:00 | 5 | 3 | 6 | 2 | 6 | 3.8 | 282.3 | -0.7 | 82.0 | 989.3 |
| 02/10/2022 | 07:45:00 - 08:00:00 | 6 | 3 | 7 | 2 | 7 | 3.9 | 263.3 | -0.7 | 82.6 | 989.4 |
| 02/10/2022 | 08:00:00 - 08:15:00 | 8 | 4 | 8 | 2 | 8 | 4.1 | 255.0 | -0.7 | 84.0 | 989.6 |
| 02/10/2022 | 08:15:00 - 08:30:00 | 8 | 4 | 8 | 2 | 8 | 4.6 | 265.8 | -0.8 | 84.2 | 989.8 |
| 02/10/2022 | 08:30:00 - 08:45:00 | 10 | 4 | 9 | 2 | 10 | 6.0 | 268.1 | -1.0 | 83.9 | 989.9 |
| 02/10/2022 | 08:45:00 - 09:00:00 | 10 | 4 | 9 | 2 | 10 | 6.4 | 271.0 | -1.1 | 83.1 | 990.1 |
| 02/10/2022 | 09:00:00 - 09:15:00 | 8 | 5 | 8 | 2 | 8 | 5.2 | 277.3 | -1.2 | 83.8 | 990.3 |
| 02/10/2022 | 09:15:00 - 09:30:00 | 10 | 4 | 9 | 2 | 10 | 5.2 | 270.5 | -1.1 | 83.2 | 990.2 |
| 02/10/2022 | 09:30:00 - 09:45:00 | 11 | 5 | 10 | 3 | 11 | 5.8 | 278.9 | -0.9 | 80.9 | 990.2 |
| 02/10/2022 | 09:45:00 - 10:00:00 | 9 | 4 | 8 | 2 | 9 | 5.1 | 275.0 | -0.7 | 78.7 | 990.2 |
| 02/10/2022 | 10:00:00 - 10:15:00 | 5 | 3 | 6 | 2 | 6 | 4.9 | 280.6 | -0.6 | 76.2 | 990.2 |
| 02/10/2022 | 10:15:00 - 10:30:00 | 5 | 3 | 6 | 1 | 6 | 4.9 | 295.1 | -0.6 | 76.7 | 990.2 |
| 02/10/2022 | 10:30:00 - 10:45:00 | 6 | 3 | 6 | 2 | 6 | 5.8 | 282.9 | -0.6 | 77.1 | 990.2 |
| 02/10/2022 | 10:45:00 - 11:00:00 | 6 | 3 | 7 | 2 | 6 | 4.7 | 280.9 | -0.5 | 78.0 | 990.1 |
| 02/10/2022 | 11:00:00 - 11:15:00 | 4 | 2 | 5 | 1 | 4 | 4.9 | 269.1 | -0.4 | 77.6 | 990.1 |
| 02/10/2022 | 11:15:00 - 11:30:00 | 3 | 2 | 4 | 1 | 3 | 6.0 | 286.3 | -0.4 | 76.7 | 990.0 |
| 02/10/2022 | 11:30:00 - 11:45:00 | 3 | 2 | 4 | 1 | 3 | 4.9 | 272.3 | -0.2 | 76.3 | 989.8 |
| 02/10/2022 | 11:45:00 - 12:00:00 | 3 | 2 | 4 | 1 | 3 | 6.2 | 269.0 | -0.4 | 78.0 | 989.7 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 02/10/2022 | 12:00:00 - 12:15:00 | 3 | 2 | 5 | 1 | 4 | 4.4 | 265.7 | -0.3 | 78.4 | 989.6 |
| 02/10/2022 | 12:15:00 - 12:30:00 | 4 | 3 | 5 | 1 | 4 | 5.8 | 275.1 | -0.6 | 80.0 | 989.5 |
| 02/10/2022 | 12:30:00 - 12:45:00 | 4 | 3 | 5 | 1 | 4 | 5.5 | 272.0 | -0.7 | 81.0 | 989.3 |
| 02/10/2022 | 12:45:00 - 13:00:00 | 4 | 3 | 5 | 1 | 4 | 4.9 | 282.0 | -0.6 | 80.4 | 989.2 |
| 02/10/2022 | 13:00:00 - 13:15:00 | 4 | 3 | 5 | 1 | 4 | 6.5 | 280.1 | -0.7 | 80.6 | 989.0 |
| 02/10/2022 | 13:15:00 - 13:30:00 | 4 | 2 | 5 | 1 | 4 | 5.6 | 261.6 | -0.9 | 81.0 | 988.8 |
| 02/10/2022 | 13:30:00 - 13:45:00 | 3 | 2 | 5 | 1 | 4 | 5.6 | 269.3 | -0.6 | 78.2 | 988.6 |
| 02/10/2022 | 13:45:00 - 14:00:00 | 3 | 2 | 4 | 1 | 3 | 6.9 | 270.7 | -0.6 | 77.8 | 988.4 |
| 02/10/2022 | 14:00:00 - 14:15:00 | 3 | 2 | 4 | 1 | 3 | 5.4 | 262.5 | -0.3 | 77.5 | 988.4 |
| 02/10/2022 | 14:15:00 - 14:30:00 | 3 | 2 | 5 | 1 | 4 | 5.0 | 256.7 | -0.4 | 78.0 | 988.6 |
| 02/10/2022 | 14:30:00 - 14:45:00 | 4 | 2 | 5 | 1 | 4 | 4.4 | 261.6 | -0.4 | 78.9 | 988.6 |
| 02/10/2022 | 14:45:00 - 15:00:00 | 5 | 3 | 5 | 1 | 5 | 4.7 | 265.3 | -0.5 | 79.5 | 988.6 |
| 02/10/2022 | 15:00:00 - 15:15:00 | 4 | 3 | 5 | 1 | 5 | 4.2 | 266.1 | -0.4 | 79.8 | 988.5 |
| 02/10/2022 | 15:15:00 - 15:30:00 | 4 | 3 | 5 | 1 | 4 | 3.7 | 251.6 | -0.4 | 79.8 | 988.4 |
| 02/10/2022 | 15:30:00 - 15:45:00 | 3 | 2 | 5 | 1 | 4 | 3.9 | 256.8 | -0.4 | 79.1 | 988.2 |
| 02/10/2022 | 15:45:00 - 16:00:00 | 3 | 2 | 5 | 1 | 4 | 4.0 | 240.7 | -0.6 | 79.5 | 987.9 |
| 02/10/2022 | 16:00:00 - 16:15:00 | 5 | 2 | 6 | 1 | 5 | 3.3 | 228.6 | -0.6 | 80.1 | 987.5 |
| 02/10/2022 | 16:15:00 - 16:30:00 | 13 | 6 | 12 | 3 | 12 | 4.0 | 204.6 | -0.6 | 80.0 | 987.3 |
| 02/10/2022 | 16:30:00 - 16:45:00 | 15 | 6 | 13 | 3 | 14 | 4.2 | 214.9 | -0.6 | 80.9 | 987.2 |
| 02/10/2022 | 16:45:00 - 17:00:00 | 13 | 5 | 11 | 3 | 12 | 3.7 | 212.1 | -0.6 | 81.6 | 987.3 |
| 02/10/2022 | 17:00:00 - 17:15:00 | 8 | 4 | 8 | 2 | 8 | 5.8 | 208.7 | -0.8 | 82.7 | 987.4 |
| 02/10/2022 | 17:15:00 - 17:30:00 | 7 | 3 | 7 | 2 | 7 | 3.8 | 201.9 | -1.0 | 84.0 | 987.2 |
| 02/10/2022 | 17:30:00 - 17:45:00 | 7 | 3 | 7 | 2 | 7 | 3.2 | 203.5 | -1.2 | 85.0 | 986.9 |
| 02/10/2022 | 17:45:00 - 18:00:00 | 7 | 4 | 7 | 2 | 8 | 2.5 | 199.4 | -1.5 | 86.0 | 986.5 |
| 02/10/2022 | 18:00:00 - 18:15:00 | 8 | 4 | 8 | 2 | 9 | 3.4 | 196.0 | -1.5 | 86.3 | 986.4 |
| 02/10/2022 | 18:15:00 - 18:30:00 | 8 | 4 | 8 | 2 | 9 | 2.9 | 186.5 | -1.6 | 87.0 | 986.3 |
| 02/10/2022 | 18:30:00 - 18:45:00 | 8 | 4 | 8 | 2 | 9 | 2.3 | 184.0 | -1.6 | 87.9 | 986.3 |
| 02/10/2022 | 18:45:00 - 19:00:00 | 8 | 4 | 8 | 2 | 9 | 2.5 | 169.9 | -1.6 | 87.8 | 986.1 |
| 02/10/2022 | 19:00:00 - 19:15:00 | 9 | 4 | 9 | 2 | 10 | 1.9 | 148.0 | -1.8 | 88.0 | 985.7 |
| 02/10/2022 | 19:15:00 - 19:30:00 | 9 | 4 | 9 | 2 | 10 | 1.6 | 152.4 | -2.0 | 89.0 | 985.4 |
| 02/10/2022 | 19:30:00 - 19:45:00 | 9 | 4 | 9 | 2 | 10 | 2.1 | 153.2 | -2.0 | 89.0 | 985.3 |
| 02/10/2022 | 19:45:00 - 20:00:00 | 11 | 5 | 10 | 3 | 11 | 2.2 | 163.0 | -2.0 | 89.7 | 984.9 |
| 02/10/2022 | 20:00:00 - 20:15:00 | 12 | 5 | 11 | 3 | 13 | 2.1 | 167.4 | -1.9 | 90.0 | 984.6 |
| 02/10/2022 | 20:15:00 - 20:30:00 | 12 | 5 | 11 | 3 | 13 | 2.1 | 174.9 | -2.1 | 90.0 | 984.5 |
| 02/10/2022 | 20:30:00 - 20:45:00 | 11 | 5 | 10 | 3 | 12 | 2.0 | 172.1 | -2.2 | 90.0 | 984.6 |
| 02/10/2022 | 20:45:00 - 21:00:00 | 10 | 5 | 10 | 3 | 11 | 2.3 | 159.0 | -2.0 | 90.0 | 984.3 |
| 02/10/2022 | 21:00:00 - 21:15:00 | 9 | 4 | 9 | 2 | 10 | 2.5 | 159.7 | -1.7 | 89.0 | 983.8 |
| 02/10/2022 | 21:15:00 - 21:30:00 | 9 | 4 | 9 | 2 | 10 | 2.6 | 157.7 | -1.7 | 88.3 | 983.4 |
| 02/10/2022 | 21:30:00 - 21:45:00 | 9 | 4 | 9 | 2 | 10 | 2.4 | 153.5 | -1.5 | 87.7 | 983.1 |
| 02/10/2022 | 21:45:00 - 22:00:00 | 9 | 4 | 9 | 2 | 10 | 2.7 | 162.1 | -1.3 | 87.0 | 982.4 |
| 02/10/2022 | 22:00:00 - 22:15:00 | 9 | 4 | 9 | 2 | 10 | 2.9 | 169.2 | -1.0 | 86.5 | 982.0 |
| 02/10/2022 | 22:15:00 - 22:30:00 | 10 | 5 | 10 | 3 | 10 | 3.1 | 165.9 | -0.3 | 85.3 | 981.6 |
| 02/10/2022 | 22:30:00 - 22:45:00 | 10 | 5 | 10 | 3 | 11 | 3.5 | 172.9 | 0.8 | 82.1 | 981.4 |
| 02/10/2022 | 22:45:00 - 23:00:00 | 10 | 5 | 9 | 3 | 10 | 4.5 | 178.6 | 1.0 | 80.5 | 981.3 |
| 02/10/2022 | 23:00:00 - 23:15:00 | 9 | 4 | 9 | 2 | 9 | 4.9 | 182.1 | 1.5 | 78.1 | 981.2 |
| 02/10/2022 | 23:15:00 - 23:30:00 | 9 | 4 | 9 | 2 | 10 | 5.1 | 184.9 | 1.5 | 78.6 | 981.0 |
| 02/10/2022 | 23:30:00 - 23:45:00 | 9 | 4 | 9 | 2 | 10 | 6.4 | 190.9 | 1.7 | 78.3 | 981.0 |
| 02/11/2022 | 23:45:00 - 00:00:00 | 9 | 4 | 9 | 2 | 9 | 5.4 | 185.2 | 1.8 | 78.0 | 980.9 |
| 02/11/2022 | 00:00:00 - 00:15:00 | 8 | 4 | 8 | 2 | 9 | 4.2 | 177.9 | 2.1 | 78.1 | 980.8 |
| 02/11/2022 | 00:15:00 - 00:30:00 | 8 | 4 | 8 | 2 | 9 | 4.0 | 175.4 | 2.4 | 77.3 | 980.4 |
| 02/11/2022 | 00:30:00 - 00:45:00 | 8 | 4 | 8 | 2 | 8 | 4.5 | 184.7 | 2.4 | 77.6 | 980.0 |
| 02/11/2022 | 00:45:00 - 01:00:00 | 8 | 4 | 8 | 2 | 8 | 4.4 | 177.1 | 2.3 | 78.0 | 979.7 |
| 02/11/2022 | 01:00:00 - 01:15:00 | 7 | 4 | 7 | 2 | 8 | 4.2 | 177.5 | 2.6 | 77.5 | 979.4 |
| 02/11/2022 | 01:15:00 - 01:30:00 | 6 | 3 | 7 | 2 | 7 | 7.0 | 202.5 | 3.1 | 75.8 | 979.1 |
| 02/11/2022 | 01:30:00 - 01:45:00 | 6 | 3 | 7 | 2 | 7 | 8.0 | 201.7 | 3.2 | 75.8 | 978.8 |
| 02/11/2022 | 01:45:00 - 02:00:00 | 6 | 3 | 7 | 2 | 7 | 7.2 | 199.5 | 3.0 | 76.9 | 978.6 |
| 02/11/2022 | 02:00:00 - 02:15:00 | 5 | 3 | 6 | 2 | 6 | 7.2 | 193.0 | 3.1 | 77.0 | 978.3 |
| 02/11/2022 | 02:15:00 - 02:30:00 | 5 | 3 | 6 | 1 | 6 | 7.2 | 197.1 | 3.3 | 77.0 | 978.1 |
| 02/11/2022 | 02:30:00 - 02:45:00 | 5 | 3 | 5 | 1 | 5 | 5.7 | 192.2 | 3.5 | 77.0 | 977.9 |
| 02/11/2022 | 02:45:00 - 03:00:00 | 4 | 2 | 5 | 1 | 5 | 7.1 | 192.3 | 3.7 | 76.1 | 977.4 |
| 02/11/2022 | 03:00:00 - 03:15:00 | 4 | 2 | 5 | 1 | 5 | 5.3 | 201.1 | 3.9 | 76.0 | 977.2 |
| 02/11/2022 | 03:15:00 - 03:30:00 | 4 | 2 | 5 | 1 | 5 | 5.6 | 210.8 | 4.0 | 75.6 | 977.1 |
| 02/11/2022 | 03:30:00 - 03:45:00 | 4 | 2 | 5 | 1 | 4 | 5.7 | 217.3 | 3.9 | 75.8 | 977.1 |
| 02/11/2022 | 03:45:00 - 04:00:00 | 3 | 2 | 4 | 1 | 4 | 5.3 | 211.3 | 4.0 | 75.4 | 977.0 |
| 02/11/2022 | 04:00:00 - 04:15:00 | 3 | 2 | 4 | 1 | 4 | 4.0 | 216.9 | 3.8 | 76.7 | 977.0 |
| 02/11/2022 | 04:15:00 - 04:30:00 | 3 | 2 | 4 | 1 | 3 | 4.6 | 207.3 | 3.5 | 80.6 | 977.0 |
| 02/11/2022 | 04:30:00 - 04:45:00 | 3 | 2 | 4 | 1 | 4 | 4.5 | 206.1 | 3.1 | 84.8 | 976.8 |
| 02/11/2022 | 04:45:00 - 05:00:00 | 3 | 2 | 4 | 1 | 3 | 4.2 | 191.4 | 2.8 | 88.0 | 976.5 |
| 02/11/2022 | 05:00:00 - 05:15:00 | 3 | 2 | 4 | 1 | 3 | 7.9 | 201.7 | 3.1 | 87.8 | 976.2 |
| 02/11/2022 | 05:15:00 - 05:30:00 | 3 | 2 | 4 | 1 | 3 | 6.6 | 201.6 | 3.3 | 87.0 | 976.2 |
| 02/11/2022 | 05:30:00 - 05:45:00 | 3 | 2 | 4 | 1 | 3 | 7.2 | 202.6 | 3.3 | 87.3 | 976.4 |
| 02/11/2022 | 05:45:00 - 06:00:00 | 3 | 2 | 4 | 1 | 3 | 6.3 | 195.4 | 3.2 | 88.3 | 976.6 |
| 02/11/2022 | 06:00:00 - 06:15:00 | 3 | 2 | 4 | 1 | 3 | 7.3 | 201.2 | 3.0 | 89.5 | 976.6 |
| 02/11/2022 | 06:15:00 - 06:30:00 | 3 | 2 | 4 | 1 | 3 | 6.0 | 211.4 | 2.9 | 91.0 | 976.7 |
| 02/11/2022 | 06:30:00 - 06:45:00 | 3 | 2 | 4 | 1 | 3 | 5.7 | 206.6 | 2.8 | 91.5 | 976.7 |
| 02/11/2022 | 06:45:00 - 07:00:00 | 3 | 2 | 4 | 1 | 4 | 5.5 | 210.5 | 2.7 | 92.8 | 976.6 |
| 02/11/2022 | 07:00:00 - 07:15:00 | 3 | 2 | 4 | 1 | 4 | 5.7 | 219.7 | 2.5 | 94.5 | 976.7 |
| 02/11/2022 | 07:15:00 - 07:30:00 | 3 | 2 | 4 | 1 | 3 | 6.0 | 214.5 | 2.5 | 95.7 | 976.9 |
| 02/11/2022 | 07:30:00 - 07:45:00 | 3 | 2 | 4 | 1 | 4 | 6.5 | 208.2 | 2.4 | 96.1 | 976.9 |
| 02/11/2022 | 07:45:00 - 08:00:00 | 3 | 2 | 4 | 1 | 3 | 6.3 | 208.2 | 2.4 | 96.0 | 977.0 |
| 02/11/2022 | 08:00:00 - 08:15:00 | 4 | 2 | 4 | 1 | 4 | 4.1 | 227.8 | 2.3 | 96.7 | 977.1 |
| 02/11/2022 | 08:15:00 - 08:30:00 | 3 | 2 | 4 | 1 | 3 | 4.7 | 226.9 | 2.3 | 97.0 | 977.2 |
| 02/11/2022 | 08:30:00 - 08:45:00 | 3 | 2 | 4 | 1 | 4 | 4.5 | 230.3 | 2.3 | 97.0 | 977.3 |
| 02/11/2022 | 08:45:00 - 09:00:00 | 3 | 2 | 4 | 1 | 4 | 4.7 | 227.0 | 2.3 | 97.0 | 977.3 |
| 02/11/2022 | 09:00:00 - 09:15:00 | 3 | 2 | 4 | 1 | 4 | 4.3 | 218.8 | 2.3 | 97.1 | 977.5 |
| 02/11/2022 | 09:15:00 - 09:30:00 | 4 | 3 | 5 | 1 | 4 | 3.9 | 234.5 | 2.6 | 98.0 | 977.7 |
| 02/11/2022 | 09:30:00 - 09:45:00 | 4 | 3 | 5 | 1 | 4 | 4.0 | 237.8 | 2.7 | 98.0 | 977.9 |
| 02/11/2022 | 09:45:00 - 10:00:00 | 4 | 3 | 5 | 1 | 4 | 4.3 | 231.3 | 2.7 | 98.8 | 978.0 |
| 02/11/2022 | 10:00:00 - 10:15:00 | 4 | 3 | 5 | 1 | 4 | 4.0 | 228.7 | 2.6 | 99.0 | 978.1 |
| 02/11/2022 | 10:15:00 - 10:30:00 | 4 | 3 | 5 | 1 | 4 | 4.7 | 255.2 | 2.6 | 99.0 | 978.2 |
| 02/11/2022 | 10:30:00 - 10:45:00 | 4 | 3 | 5 | 1 | 5 | 5.0 | 258.4 | 2.7 | 99.0 | 978.3 |
| 02/11/2022 | 10:45:00 - 11:00:00 | 5 | 3 | 5 | 1 | 4 | 4.5 | 260.4 | 2.9 | 99.0 | 978.4 |
| 02/11/2022 | 11:00:00 - 11:15:00 | 4 | 2 | 5 | 1 | 4 | 6.1 | 261.3 | 3.0 | 99.0 | 978.5 |
| 02/11/2022 | 11:15:00 - 11:30:00 | 3 | 2 | 4 | 1 | 4 | 6.3 | 265.0 | 3.1 | 99.0 | 978.4 |
| 02/11/2022 | 11:30:00 - 11:45:00 | 3 | 2 | 4 | 1 | 3 | 5.7 | 262.0 | 3.2 | 99.0 | 978.3 |
| 02/11/2022 | 11:45:00 - 12:00:00 | 3 | 2 | 4 | 1 | 3 | 33.5 | 146.3 | 3.4 | 98.3 | 978.3 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 02/11/2022 | 12:00:00 - 12:15:00 | 3 | 2 | 4 | 1 | 3 | 6.6 | 278.5 | 3.8 | 97.6 | 978.4 |
| 02/11/2022 | 12:15:00 - 12:30:00 | 3 | 2 | 4 | 1 | 3 | 38.0 | 312.6 | 4.0 | 96.2 | 978.2 |
| 02/11/2022 | 12:30:00 - 12:45:00 | 3 | 2 | 4 | 1 | 3 | 3.5 | 231.0 | 4.2 | 94.8 | 978.2 |
| 02/11/2022 | 12:45:00 - 13:00:00 | 3 | 2 | 4 | 1 | 3 | 3.6 | 227.8 | 4.4 | 93.6 | 978.2 |
| 02/11/2022 | 13:00:00 - 13:15:00 | 3 | 2 | 4 | 1 | 3 | 3.5 | 226.9 | 4.3 | 92.8 | 978.4 |
| 02/11/2022 | 13:15:00 - 13:30:00 | 4 | 2 | 4 | 1 | 3 | 3.1 | 226.2 | 4.1 | 93.0 | 978.8 |
| 02/11/2022 | 13:30:00 - 13:45:00 | 4 | 2 | 5 | 1 | 4 | 5.0 | 230.9 | 4.1 | 93.0 | 979.0 |
| 02/11/2022 | 13:45:00 - 14:00:00 | 4 | 2 | 5 | 1 | 4 | 4.7 | 227.4 | 4.2 | 92.8 | 979.1 |
| 02/11/2022 | 14:00:00 - 14:15:00 | 5 | 2 | 5 | 1 | 4 | 4.7 | 238.7 | 4.5 | 92.0 | 979.3 |
| 02/11/2022 | 14:15:00 - 14:30:00 | 5 | 2 | 5 | 1 | 4 | 5.6 | 246.8 | 4.9 | 90.1 | 979.5 |
| 02/11/2022 | 14:30:00 - 14:45:00 | 5 | 2 | 5 | 1 | 4 | 4.5 | 234.2 | 4.9 | 89.7 | 979.9 |
| 02/11/2022 | 14:45:00 - 15:00:00 | 4 | 2 | 4 | 1 | 4 | 5.4 | 231.6 | 4.7 | 90.4 | 980.2 |
| 02/11/2022 | 15:00:00 - 15:15:00 | 5 | 2 | 4 | 1 | 4 | 4.9 | 237.9 | 4.8 | 90.1 | 980.5 |
| 02/11/2022 | 15:15:00 - 15:30:00 | 5 | 2 | 5 | 1 | 4 | 4.2 | 242.9 | 4.6 | 90.7 | 980.6 |
| 02/11/2022 | 15:30:00 - 15:45:00 | 5 | 2 | 5 | 1 | 4 | 4.2 | 234.1 | 4.4 | 91.5 | 980.8 |
| 02/11/2022 | 15:45:00 - 16:00:00 | 5 | 2 | 5 | 1 | 4 | 4.5 | 226.5 | 4.2 | 92.0 | 980.8 |
| 02/11/2022 | 16:00:00 - 16:15:00 | 5 | 2 | 5 | 1 | 5 | 3.2 | 227.2 | 4.0 | 93.0 | 981.1 |
| 02/11/2022 | 16:15:00 - 16:30:00 | 5 | 2 | 5 | 1 | 5 | 3.1 | 219.6 | 4.0 | 93.0 | 981.3 |
| 02/11/2022 | 16:30:00 - 16:45:00 | 5 | 2 | 5 | 1 | 5 | 4.3 | 202.9 | 3.8 | 93.4 | 981.6 |
| 02/11/2022 | 16:45:00 - 17:00:00 | 4 | 2 | 5 | 1 | 4 | 3.2 | 211.5 | 3.8 | 93.3 | 981.9 |
| 02/11/2022 | 17:00:00 - 17:15:00 | 4 | 2 | 5 | 1 | 4 | 2.3 | 213.5 | 3.5 | 93.7 | 982.1 |
| 02/11/2022 | 17:15:00 - 17:30:00 | 5 | 2 | 5 | 1 | 5 | 2.9 | 208.9 | 3.1 | 94.9 | 982.4 |
| 02/11/2022 | 17:30:00 - 17:45:00 | 5 | 2 | 5 | 1 | 5 | 2.7 | 213.7 | 3.1 | 96.0 | 982.6 |
| 02/11/2022 | 17:45:00 - 18:00:00 | 5 | 3 | 5 | 1 | 5 | 3.0 | 225.3 | 3.1 | 96.0 | 982.9 |
| 02/11/2022 | 18:00:00 - 18:15:00 | 5 | 3 | 6 | 2 | 5 | 6.7 | 275.7 | 2.6 | 97.0 | 984.0 |
| 02/11/2022 | 18:15:00 - 18:30:00 | 4 | 2 | 5 | 1 | 4 | 4.5 | 285.4 | 1.9 | 96.9 | 984.4 |
| 02/11/2022 | 18:30:00 - 18:45:00 | 4 | 2 | 5 | 1 | 4 | 3.7 | 295.6 | 2.3 | 92.7 | 984.9 |
| 02/11/2022 | 18:45:00 - 19:00:00 | 3 | 2 | 5 | 1 | 4 | 4.0 | 317.6 | 2.2 | 88.8 | 985.1 |
| 02/11/2022 | 19:00:00 - 19:15:00 | 3 | 2 | 4 | 1 | 4 | 4.5 | 301.2 | 2.1 | 86.2 | 985.4 |
| 02/11/2022 | 19:15:00 - 19:30:00 | 3 | 2 | 4 | 1 | 4 | 6.5 | 304.5 | 1.8 | 83.0 | 985.9 |
| 02/11/2022 | 19:30:00 - 19:45:00 | 3 | 2 | 4 | 1 | 3 | 6.3 | 296.5 | 1.2 | 81.7 | 986.2 |
| 02/11/2022 | 19:45:00 - 20:00:00 | 3 | 2 | 4 | 1 | 4 | 4.4 | 282.3 | 1.0 | 83.2 | 986.4 |
| 02/11/2022 | 20:00:00 - 20:15:00 | 3 | 2 | 4 | 1 | 3 | 7.3 | 286.1 | 0.7 | 78.4 | 986.7 |
| 02/11/2022 | 20:15:00 - 20:30:00 | 3 | 2 | 4 | 1 | 3 | 7.4 | 296.7 | 0.3 | 79.2 | 987.1 |
| 02/11/2022 | 20:30:00 - 20:45:00 | 4 | 2 | 5 | 1 | 5 | 7.4 | 307.2 | -0.4 | 79.9 | 987.6 |
| 02/11/2022 | 20:45:00 - 21:00:00 | 4 | 3 | 5 | 1 | 5 | 8.1 | 314.5 | -1.3 | 80.9 | 988.1 |
| 02/11/2022 | 21:00:00 - 21:15:00 | 4 | 2 | 5 | 1 | 4 | 9.1 | 322.1 | -1.9 | 81.5 | 988.5 |
| 02/11/2022 | 21:15:00 - 21:30:00 | 4 | 2 | 5 | 1 | 4 | 8.2 | 316.2 | -2.3 | 80.6 | 988.8 |
| 02/11/2022 | 21:30:00 - 21:45:00 | 4 | 3 | 5 | 1 | 5 | 7.4 | 316.5 | -2.5 | 80.5 | 989.2 |
| 02/11/2022 | 21:45:00 - 22:00:00 | 4 | 3 | 5 | 1 | 5 | 5.9 | 297.3 | -2.6 | 81.3 | 989.5 |
| 02/11/2022 | 22:00:00 - 22:15:00 | 4 | 3 | 5 | 1 | 5 | 5.9 | 290.0 | -2.8 | 81.9 | 990.0 |
| 02/11/2022 | 22:15:00 - 22:30:00 | 5 | 3 | 6 | 2 | 6 | 7.7 | 296.0 | -3.0 | 81.7 | 990.2 |
| 02/11/2022 | 22:30:00 - 22:45:00 | 5 | 3 | 6 | 2 | 6 | 7.1 | 295.6 | -3.1 | 81.8 | 990.3 |
| 02/11/2022 | 22:45:00 - 23:00:00 | 6 | 3 | 7 | 2 | 6 | 7.9 | 301.7 | -3.1 | 82.5 | 990.6 |
| 02/11/2022 | 23:00:00 - 23:15:00 | 7 | 4 | 8 | 2 | 8 | 8.4 | 306.2 | -3.1 | 82.0 | 990.8 |
| 02/11/2022 | 23:15:00 - 23:30:00 | 8 | 4 | 8 | 2 | 8 | 7.2 | 304.9 | -3.1 | 82.0 | 991.1 |
| 02/11/2022 | 23:30:00 - 23:45:00 | 7 | 4 | 8 | 2 | 8 | 7.6 | 289.1 | -3.3 | 82.0 | 991.3 |
| 02/12/2022 | 23:45:00 - 00:00:00 | 8 | 4 | 8 | 2 | 8 | 7.3 | 303.6 | -3.4 | 81.9 | 991.7 |
| 02/12/2022 | 00:00:00 - 00:15:00 | 8 | 4 | 8 | 2 | 9 | 7.6 | 300.8 | -3.6 | 81.2 | 991.9 |
| 02/12/2022 | 00:15:00 - 00:30:00 | 7 | 4 | 7 | 2 | 7 | 7.4 | 298.7 | -3.7 | 80.5 | 992.2 |
| 02/12/2022 | 00:30:00 - 00:45:00 | 7 | 4 | 7 | 2 | 7 | 7.1 | 296.4 | -3.8 | 79.8 | 992.5 |
| 02/12/2022 | 00:45:00 - 01:00:00 | 6 | 4 | 7 | 2 | 7 | 6.8 | 300.8 | -4.0 | 81.1 | 992.6 |
| 02/12/2022 | 01:00:00 - 01:15:00 | 8 | 4 | 8 | 2 | 9 | 7.7 | 302.5 | -4.3 | 81.0 | 992.6 |
| 02/12/2022 | 01:15:00 - 01:30:00 | 8 | 4 | 8 | 2 | 9 | 6.4 | 303.9 | -4.6 | 81.1 | 992.7 |
| 02/12/2022 | 01:30:00 - 01:45:00 | 8 | 4 | 8 | 2 | 8 | 6.1 | 297.9 | -4.7 | 80.8 | 993.1 |
| 02/12/2022 | 01:45:00 - 02:00:00 | 8 | 4 | 8 | 2 | 8 | 7.2 | 295.9 | -4.9 | 80.7 | 993.4 |
| 02/12/2022 | 02:00:00 - 02:15:00 | 8 | 4 | 8 | 2 | 8 | 7.9 | 305.9 | -5.0 | 80.6 | 993.7 |
| 02/12/2022 | 02:15:00 - 02:30:00 | 8 | 4 | 8 | 2 | 8 | 6.9 | 306.5 | -5.2 | 80.7 | 994.0 |
| 02/12/2022 | 02:30:00 - 02:45:00 | 7 | 4 | 7 | 2 | 8 | 7.8 | 311.3 | -5.3 | 80.5 | 994.1 |
| 02/12/2022 | 02:45:00 - 03:00:00 | 8 | 4 | 7 | 2 | 8 | 7.3 | 298.0 | -5.4 | 80.5 | 994.4 |
| 02/12/2022 | 03:00:00 - 03:15:00 | 8 | 4 | 8 | 2 | 8 | 7.6 | 304.6 | -5.7 | 80.5 | 994.5 |
| 02/12/2022 | 03:15:00 - 03:30:00 | 7 | 4 | 7 | 2 | 8 | 6.9 | 307.2 | -5.9 | 80.6 | 994.4 |
| 02/12/2022 | 03:30:00 - 03:45:00 | 7 | 4 | 7 | 2 | 8 | 6.8 | 309.4 | -6.0 | 80.7 | 994.5 |
| 02/12/2022 | 03:45:00 - 04:00:00 | 7 | 4 | 7 | 2 | 7 | 7.4 | 301.9 | -6.1 | 80.6 | 995.1 |
| 02/12/2022 | 04:00:00 - 04:15:00 | 6 | 3 | 6 | 2 | 6 | 7.0 | 309.2 | -6.2 | 80.1 | 995.5 |
| 02/12/2022 | 04:15:00 - 04:30:00 | 6 | 3 | 6 | 2 | 6 | 8.1 | 316.2 | -6.3 | 79.9 | 995.5 |
| 02/12/2022 | 04:30:00 - 04:45:00 | 6 | 3 | 6 | 2 | 6 | 7.8 | 309.6 | -6.4 | 80.7 | 995.5 |
| 02/12/2022 | 04:45:00 - 05:00:00 | 6 | 3 | 6 | 2 | 6 | 7.5 | 296.7 | -6.4 | 81.1 | 996.2 |
| 02/12/2022 | 05:00:00 - 05:15:00 | 6 | 3 | 6 | 2 | 6 | 6.7 | 307.4 | -6.4 | 80.9 | 996.6 |
| 02/12/2022 | 05:15:00 - 05:30:00 | 6 | 3 | 6 | 2 | 6 | 6.5 | 311.8 | -6.5 | 81.2 | 996.6 |
| 02/12/2022 | 05:30:00 - 05:45:00 | 6 | 3 | 6 | 2 | 6 | 6.7 | 306.6 | -6.6 | 81.5 | 996.4 |
| 02/12/2022 | 05:45:00 - 06:00:00 | 6 | 3 | 6 | 2 | 6 | 8.0 | 300.0 | -6.6 | 81.6 | 997.0 |
| 02/12/2022 | 06:00:00 - 06:15:00 | 6 | 3 | 6 | 2 | 6 | 6.9 | 303.0 | -6.6 | 81.8 | 997.5 |
| 02/12/2022 | 06:15:00 - 06:30:00 | 6 | 3 | 6 | 2 | 7 | 7.1 | 312.4 | -6.7 | 82.4 | 997.7 |
| 02/12/2022 | 06:30:00 - 06:45:00 | 6 | 3 | 6 | 2 | 6 | 6.5 | 310.9 | -6.7 | 83.2 | 997.9 |
| 02/12/2022 | 06:45:00 - 07:00:00 | 5 | 3 | 6 | 2 | 6 | 6.4 | 306.2 | -6.6 | 83.5 | 998.1 |
| 02/12/2022 | 07:00:00 - 07:15:00 | 5 | 3 | 6 | 1 | 6 | 6.0 | 322.1 | -6.5 | 82.5 | 998.2 |
| 02/12/2022 | 07:15:00 - 07:30:00 | 5 | 3 | 6 | 1 | 6 | 7.1 | 323.4 | -6.6 | 81.0 | 998.4 |
| 02/12/2022 | 07:30:00 - 07:45:00 | 5 | 3 | 6 | 1 | 5 | 6.3 | 322.3 | -6.7 | 80.9 | 998.4 |
| 02/12/2022 | 07:45:00 - 08:00:00 | 5 | 3 | 6 | 1 | 5 | 6.9 | 321.0 | -6.8 | 81.1 | 998.6 |
| 02/12/2022 | 08:00:00 - 08:15:00 | 5 | 3 | 6 | 1 | 5 | 7.5 | 315.9 | -6.9 | 81.3 | 999.0 |
| 02/12/2022 | 08:15:00 - 08:30:00 | 5 | 3 | 6 | 1 | 6 | 6.1 | 311.2 | -6.9 | 82.8 | 999.2 |
| 02/12/2022 | 08:30:00 - 08:45:00 | 5 | 3 | 6 | 1 | 6 | 6.4 | 318.5 | -7.0 | 84.2 | 999.2 |
| 02/12/2022 | 08:45:00 - 09:00:00 | 5 | 3 | 6 | 2 | 6 | 6.3 | 325.3 | -7.0 | 85.2 | 999.5 |
| 02/12/2022 | 09:00:00 - 09:15:00 | 5 | 3 | 6 | 1 | 5 | 7.1 | 332.5 | -7.0 | 81.9 | 999.6 |
| 02/12/2022 | 09:15:00 - 09:30:00 | 4 | 3 | 5 | 1 | 5 | 7.7 | 332.2 | -7.0 | 77.9 | 1000.0 |
| 02/12/2022 | 09:30:00 - 09:45:00 | 4 | 2 | 5 | 1 | 5 | 7.2 | 338.4 | -7.0 | 77.7 | 1000.2 |
| 02/12/2022 | 09:45:00 - 10:00:00 | 3 | 2 | 4 | 1 | 4 | 7.0 | 332.9 | -7.1 | 76.4 | 1000.3 |
| 02/12/2022 | 10:00:00 - 10:15:00 | 3 | 2 | 4 | 1 | 4 | 5.3 | 342.0 | -7.1 | 76.1 | 1000.6 |
| 02/12/2022 | 10:15:00 - 10:30:00 | 3 | 2 | 4 | 1 | 4 | 5.9 | 336.6 | -7.2 | 78.4 | 1000.7 |
| 02/12/2022 | 10:30:00 - 10:45:00 | 3 | 2 | 5 | 1 | 4 | 6.0 | 339.2 | -7.3 | 76.6 | 1000.7 |
| 02/12/2022 | 10:45:00 - 11:00:00 | 3 | 2 | 5 | 1 | 4 | 4.6 | 336.6 | -6.9 | 77.6 | 1000.6 |
| 02/12/2022 | 11:00:00 - 11:15:00 | 3 | 2 | 5 | 1 | 4 | 5.3 | 332.3 | -6.9 | 77.7 | 1000.7 |
| 02/12/2022 | 11:15:00 - 11:30:00 | 3 | 3 | 5 | 1 | 5 | 6.4 | 330.3 | -6.9 | 75.0 | 1000.7 |
| 02/12/2022 | 11:30:00 - 11:45:00 | 3 | 3 | 5 | 1 | 4 | 7.1 | 330.1 | -7.3 | 75.7 | 1000.9 |
| 02/12/2022 | 11:45:00 - 12:00:00 | 3 | 3 | 5 | 1 | 5 | 6.0 | 308.9 | -7.1 | 72.2 | 1000.8 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 02/12/2022 | 12:00:00 - 12:15:00 | 4 | 3 | 5 | 1 | 5 | 6.3 | 318.6 | -7.2 | 73.2 | 1000.8 |
| 02/12/2022 | 12:15:00 - 12:30:00 | 4 | 3 | 5 | 1 | 5 | 7.1 | 328.4 | -7.2 | 73.7 | 1000.9 |
| 02/12/2022 | 12:30:00 - 12:45:00 | 4 | 3 | 5 | 1 | 5 | 5.7 | 304.8 | -7.3 | 73.1 | 1000.7 |
| 02/12/2022 | 12:45:00 - 13:00:00 | 4 | 3 | 5 | 1 | 5 | 5.9 | 306.4 | -7.4 | 71.7 | 1000.7 |
| 02/12/2022 | 13:00:00 - 13:15:00 | 4 | 3 | 5 | 1 | 5 | 5.1 | 317.7 | -7.5 | 72.6 | 1000.7 |
| 02/12/2022 | 13:15:00 - 13:30:00 | 4 | 3 | 5 | 1 | 5 | 5.8 | 319.9 | -7.4 | 70.9 | 1000.6 |
| 02/12/2022 | 13:30:00 - 13:45:00 | 4 | 3 | 5 | 1 | 5 | 5.3 | 322.5 | -7.5 | 71.3 | 1000.3 |
| 02/12/2022 | 13:45:00 - 14:00:00 | 4 | 3 | 5 | 1 | 5 | 5.0 | 321.7 | -7.4 | 71.3 | 1000.0 |
| 02/12/2022 | 14:00:00 - 14:15:00 | 4 | 3 | 5 | 1 | 5 | 5.6 | 307.9 | -7.6 | 71.9 | 999.8 |
| 02/12/2022 | 14:15:00 - 14:30:00 | 4 | 3 | 5 | 1 | 5 | 4.9 | 319.3 | -7.6 | 73.0 | 999.8 |
| 02/12/2022 | 14:30:00 - 14:45:00 | 4 | 3 | 6 | 1 | 5 | 6.0 | 317.7 | -7.7 | 72.7 | 999.8 |
| 02/12/2022 | 14:45:00 - 15:00:00 | 4 | 3 | 6 | 1 | 5 | 5.3 | 307.9 | -7.7 | 72.5 | 999.8 |
| 02/12/2022 | 15:00:00 - 15:15:00 | 4 | 3 | 6 | 1 | 5 | 5.9 | 307.9 | -7.8 | 71.8 | 1000.0 |
| 02/12/2022 | 15:15:00 - 15:30:00 | 5 | 3 | 6 | 1 | 5 | 5.0 | 284.6 | -7.8 | 71.1 | 1000.0 |
| 02/12/2022 | 15:30:00 - 15:45:00 | 5 | 3 | 6 | 1 | 6 | 4.8 | 288.8 | -7.9 | 70.9 | 1000.1 |
| 02/12/2022 | 15:45:00 - 16:00:00 | 6 | 3 | 6 | 2 | 6 | 4.6 | 303.5 | -8.1 | 71.6 | 1000.1 |
| 02/12/2022 | 16:00:00 - 16:15:00 | 5 | 4 | 6 | 1 | 6 | 3.7 | 285.7 | -8.0 | 72.1 | 1000.1 |
| 02/12/2022 | 16:15:00 - 16:30:00 | 5 | 3 | 6 | 1 | 6 | 4.7 | 303.4 | -8.2 | 71.7 | 1000.2 |
| 02/12/2022 | 16:30:00 - 16:45:00 | 5 | 3 | 6 | 1 | 5 | 4.3 | 290.2 | -8.4 | 70.7 | 1000.2 |
| 02/12/2022 | 16:45:00 - 17:00:00 | 4 | 3 | 6 | 1 | 5 | 4.3 | 316.4 | -8.3 | 71.0 | 1000.1 |
| 02/12/2022 | 17:00:00 - 17:15:00 | 4 | 3 | 6 | 1 | 5 | 4.9 | 322.9 | -8.4 | 70.8 | 1000.1 |
| 02/12/2022 | 17:15:00 - 17:30:00 | 4 | 3 | 6 | 1 | 5 | 3.7 | 316.0 | -8.4 | 71.7 | 1000.2 |
| 02/12/2022 | 17:30:00 - 17:45:00 | 4 | 3 | 6 | 1 | 5 | 3.9 | 305.4 | -8.4 | 71.9 | 1000.3 |
| 02/12/2022 | 17:45:00 - 18:00:00 | 5 | 3 | 6 | 2 | 6 | 3.8 | 318.9 | -8.3 | 72.8 | 1000.5 |
| 02/12/2022 | 18:00:00 - 18:15:00 | 5 | 4 | 6 | 2 | 6 | 4.3 | 314.8 | -8.3 | 72.4 | 1000.7 |
| 02/12/2022 | 18:15:00 - 18:30:00 | 9 | 5 | 9 | 2 | 9 | 5.3 | 306.5 | -8.4 | 75.9 | 1000.9 |
| 02/12/2022 | 18:30:00 - 18:45:00 | 9 | 5 | 9 | 2 | 9 | 5.3 | 309.9 | -8.5 | 79.0 | 1001.0 |
| 02/12/2022 | 18:45:00 - 19:00:00 | 9 | 5 | 9 | 2 | 10 | 4.6 | 302.2 | -8.6 | 79.0 | 1000.8 |
| 02/12/2022 | 19:00:00 - 19:15:00 | 10 | 5 | 9 | 2 | 10 | 4.0 | 305.0 | -8.5 | 77.1 | 1000.5 |
| 02/12/2022 | 19:15:00 - 19:30:00 | 9 | 5 | 9 | 2 | 9 | 3.6 | 307.4 | -8.5 | 74.9 | 1000.3 |
| 02/12/2022 | 19:30:00 - 19:45:00 | 10 | 5 | 9 | 2 | 10 | 4.3 | 290.1 | -8.7 | 76.9 | 1000.3 |
| 02/12/2022 | 19:45:00 - 20:00:00 | 9 | 4 | 9 | 2 | 9 | 4.1 | 285.9 | -8.8 | 76.9 | 1000.5 |
| 02/12/2022 | 20:00:00 - 20:15:00 | 8 | 4 | 8 | 2 | 8 | 4.0 | 287.7 | -9.0 | 77.0 | 1000.9 |
| 02/12/2022 | 20:15:00 - 20:30:00 | 8 | 4 | 8 | 2 | 8 | 3.6 | 288.4 | -9.1 | 77.0 | 1001.0 |
| 02/12/2022 | 20:30:00 - 20:45:00 | 9 | 5 | 9 | 2 | 9 | 3.8 | 288.9 | -9.1 | 76.8 | 1001.0 |
| 02/12/2022 | 20:45:00 - 21:00:00 | 9 | 5 | 9 | 2 | 9 | 3.0 | 294.0 | -9.1 | 76.9 | 1000.9 |
| 02/12/2022 | 21:00:00 - 21:15:00 | 8 | 5 | 9 | 2 | 9 | 2.8 | 290.9 | -9.1 | 77.0 | 1000.8 |
| 02/12/2022 | 21:15:00 - 21:30:00 | 8 | 5 | 8 | 2 | 9 | 2.9 | 296.7 | -9.2 | 77.8 | 1000.9 |
| 02/12/2022 | 21:30:00 - 21:45:00 | 8 | 5 | 8 | 2 | Offline | 3.2 | 299.3 | -9.1 | 76.9 | 1000.8 |
| 02/12/2022 | 21:45:00 - 22:00:00 | 8 | 4 | 8 | 2 | Offline | 2.9 | 300.6 | -9.1 | 77.0 | 1000.9 |
| 02/12/2022 | 22:00:00 - 22:15:00 | 8 | 5 | 8 | 2 | Offline | 2.6 | 303.9 | -9.1 | 76.8 | 1000.9 |
| 02/12/2022 | 22:15:00 - 22:30:00 | 7 | 4 | 7 | 2 | Offline | 2.4 | 309.1 | -9.1 | 76.0 | 1000.9 |
| 02/12/2022 | 22:30:00 - 22:45:00 | 6 | 4 | 7 | 2 | Offline | 2.3 | 308.8 | -9.2 | 75.7 | 1000.8 |
| 02/12/2022 | 22:45:00 - 23:00:00 | 6 | 4 | 6 | 2 | Offline | 1.7 | 317.8 | -9.2 | 75.3 | 1000.8 |
| 02/12/2022 | 23:00:00 - 23:15:00 | 6 | 4 | 7 | 2 | Offline | 2.0 | 306.8 | -9.1 | 74.4 | 1000.8 |
| 02/12/2022 | 23:15:00 - 23:30:00 | 6 | 4 | 7 | 2 | Offline | 1.6 | 302.2 | -9.2 | 75.2 | 1000.7 |
| 02/12/2022 | 23:30:00 - 23:45:00 | 6 | 3 | 7 | 2 | Offline | 0.9 | 299.5 | -9.1 | 76.0 | 1000.6 |
| 02/13/2022 | 23:45:00 - 00:00:00 | 6 | 3 | 6 | 2 | Offline | 2.0 | 293.3 | -9.0 | 76.2 | 1000.7 |
| 02/13/2022 | 00:00:00 - 00:15:00 | 6 | 4 | 6 | 2 | Offline | 2.0 | 289.1 | -9.0 | 75.6 | 1000.5 |
| 02/13/2022 | 00:15:00 - 00:30:00 | 5 | 3 | 6 | 2 | Offline | 0.8 | 286.9 | -9.3 | 76.5 | 1000.4 |
| 02/13/2022 | 00:30:00 - 00:45:00 | 6 | 3 | 6 | 2 | Offline | 0.6 | 295.6 | -9.4 | 77.4 | 1000.3 |
| 02/13/2022 | 00:45:00 - 01:00:00 | 6 | 3 | 7 | 2 | Offline | 0.8 | 325.7 | -9.8 | 79.3 | 1000.2 |
| 02/13/2022 | 01:00:00 - 01:15:00 | 6 | 3 | 7 | 2 | Offline | 0.6 | 323.7 | -9.9 | 80.5 | 1000.1 |
| 02/13/2022 | 01:15:00 - 01:30:00 | 5 | 3 | 6 | 2 | Offline | 0.6 | 305.3 | -9.9 | 81.6 | 1000.1 |
| 02/13/2022 | 01:30:00 - 01:45:00 | 5 | 3 | 6 | 2 | Offline | 1.1 | 298.2 | -9.8 | 82.0 | 1000.0 |
| 02/13/2022 | 01:45:00 - 02:00:00 | 5 | 3 | 6 | 2 | Offline | 0.7 | 284.8 | -9.8 | 81.3 | 999.8 |
| 02/13/2022 | 02:00:00 - 02:15:00 | 5 | 3 | 6 | 2 | Offline | 1.0 | 266.9 | -9.7 | 81.4 | 999.6 |
| 02/13/2022 | 02:15:00 - 02:30:00 | 5 | 3 | 6 | 2 | Offline | 1.3 | 256.3 | -9.7 | 81.2 | 999.4 |
| 02/13/2022 | 02:30:00 - 02:45:00 | 5 | 3 | 6 | 2 | Offline | 1.6 | 245.0 | -9.6 | 81.2 | 999.2 |
| 02/13/2022 | 02:45:00 - 03:00:00 | 5 | 3 | 7 | 2 | Offline | 1.5 | 249.7 | -9.7 | 82.1 | 999.0 |
| 02/13/2022 | 03:00:00 - 03:15:00 | 6 | 3 | 7 | Offline | Offline | 1.7 | 247.6 | -9.8 | 83.0 | 998.9 |
| 02/13/2022 | 03:15:00 - 03:30:00 | 6 | 3 | 7 | Offline | Offline | 1.6 | 250.7 | -9.8 | 83.0 | 998.7 |
| 02/13/2022 | 03:30:00 - 03:45:00 | 6 | 3 | 7 | Offline | Offline | 1.9 | 249.0 | -9.7 | 82.5 | 998.4 |
| 02/13/2022 | 03:45:00 - 04:00:00 | 6 | 3 | 7 | Offline | Offline | 1.8 | 258.9 | -9.9 | 83.4 | 998.4 |
| 02/13/2022 | 04:00:00 - 04:15:00 | 7 | 4 | 7 | Offline | Offline | 1.4 | 269.2 | -10.0 | 84.1 | 998.3 |
| 02/13/2022 | 04:15:00 - 04:30:00 | 7 | 4 | 7 | Offline | Offline | 1.5 | 299.6 | -10.2 | 85.3 | 998.3 |
| 02/13/2022 | 04:30:00 - 04:45:00 | 8 | 4 | 8 | Offline | Offline | 1.4 | 283.3 | -10.4 | 86.4 | 998.4 |
| 02/13/2022 | 04:45:00 - 05:00:00 | 7 | 4 | 7 | Offline | Offline | 1.1 | 265.0 | -10.4 | 87.0 | 998.4 |
| 02/13/2022 | 05:00:00 - 05:15:00 | 7 | 4 | 7 | Offline | Offline | 1.2 | 277.8 | -10.4 | 87.9 | 998.4 |
| 02/13/2022 | 05:15:00 - 05:30:00 | 7 | 4 | 7 | Offline | Offline | 1.3 | 295.1 | -10.5 | 88.0 | 998.6 |
| 02/13/2022 | 05:30:00 - 05:45:00 | 8 | 4 | 7 | Offline | Offline | 0.9 | 294.3 | -10.6 | 88.9 | 998.5 |
| 02/13/2022 | 05:45:00 - 06:00:00 | 8 | 4 | 7 | Offline | Offline | 1.4 | 281.3 | -10.4 | 89.0 | 998.6 |
| 02/13/2022 | 06:00:00 - 06:15:00 | 8 | 4 | 7 | Offline | Offline | 0.9 | 260.3 | -10.2 | 88.6 | 998.3 |
| 02/13/2022 | 06:15:00 - 06:30:00 | 8 | 4 | 7 | Offline | Offline | 1.6 | 274.7 | -10.1 | 88.0 | 998.2 |
| 02/13/2022 | 06:30:00 - 06:45:00 | 8 | 4 | 7 | Offline | Offline | 1.7 | 276.6 | -9.9 | 87.4 | 998.4 |
| 02/13/2022 | 06:45:00 - 07:00:00 | 8 | 4 | 8 | Offline | Offline | 1.1 | 288.6 | -10.0 | 88.0 | 998.5 |
| 02/13/2022 | 07:00:00 - 07:15:00 | 7 | 4 | 8 | Offline | Offline | 1.1 | 279.7 | -9.8 | 87.2 | 998.5 |
| 02/13/2022 | 07:15:00 - 07:30:00 | 8 | 4 | 8 | Offline | Offline | 0.7 | 267.9 | -9.4 | 86.8 | 998.5 |
| 02/13/2022 | 07:30:00 - 07:45:00 | 7 | 3 | 7 | Offline | Offline | 1.3 | 257.0 | -9.1 | 85.7 | 998.6 |
| 02/13/2022 | 07:45:00 - 08:00:00 | 7 | 3 | 7 | Offline | Offline | 1.7 | 231.5 | -8.9 | 85.2 | 998.4 |
| 02/13/2022 | 08:00:00 - 08:15:00 | 6 | 3 | 7 | Offline | Offline | 1.7 | 229.4 | -8.6 | 86.0 | 998.2 |
| 02/13/2022 | 08:15:00 - 08:30:00 | 6 | 3 | 7 | Offline | Offline | 1.7 | 245.2 | -8.3 | 85.7 | 998.1 |
| 02/13/2022 | 08:30:00 - 08:45:00 | 6 | 3 | 7 | Offline | Offline | 2.4 | 246.0 | -8.1 | 85.0 | 998.0 |
| 02/13/2022 | 08:45:00 - 09:00:00 | 5 | 3 | 6 | Offline | Offline | 2.4 | 238.8 | -7.9 | 85.2 | 997.9 |
| 02/13/2022 | 09:00:00 - 09:15:00 | 5 | 3 | 6 | Offline | Offline | 2.3 | 229.2 | -7.9 | 85.4 | 997.9 |
| 02/13/2022 | 09:15:00 - 09:30:00 | 5 | 3 | 6 | Offline | Offline | 1.6 | 227.4 | -7.7 | 85.9 | 997.9 |
| 02/13/2022 | 09:30:00 - 09:45:00 | 5 | 3 | 6 | Offline | Offline | 1.8 | 270.0 | -7.5 | 84.9 | 997.9 |
| 02/13/2022 | 09:45:00 - 10:00:00 | 5 | 3 | 6 | Offline | Offline | 1.1 | 252.8 | -7.2 | 84.6 | 997.9 |
| 02/13/2022 | 10:00:00 - 10:15:00 | 5 | 3 | 6 | Offline | Offline | 1.9 | 274.5 | -7.2 | 85.3 | 997.9 |
| 02/13/2022 | 10:15:00 - 10:30:00 | 5 | 3 | 6 | Offline | Offline | 1.5 | 256.5 | -7.0 | 86.0 | 997.8 |
| 02/13/2022 | 10:30:00 - 10:45:00 | 5 | 3 | 6 | Offline | Offline | 1.6 | 274.1 | -6.8 | 86.7 | 997.9 |
| 02/13/2022 | 10:45:00 - 11:00:00 | 5 | 3 | 7 | Offline | Offline | 1.8 | 281.9 | -6.6 | 86.5 | 997.9 |
| 02/13/2022 | 11:00:00 - 11:15:00 | 6 | 3 | 7 | Offline | Offline | 2.2 | 273.1 | -6.5 | 86.2 | 998.0 |
| 02/13/2022 | 11:15:00 - 11:30:00 | 6 | 4 | 7 | Offline | Offline | 2.9 | 302.1 | -6.6 | 87.0 | 997.8 |
| 02/13/2022 | 11:30:00 - 11:45:00 | 6 | 4 | 7 | Offline | Offline | 2.1 | 319.8 | -6.4 | 88.3 | 997.7 |
| 02/13/2022 | 11:45:00 - 12:00:00 | 7 | 3 | 7 | Offline | Offline | 2.4 | 352.9 | -6.4 | 88.1 | 997.6 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 02/13/2022 | 12:00:00 - 12:15:00 | 7 | 3 | 8 | Offline | Offline | 3.6 | 335.5 | -7.2 | 89.6 | 997.5 |
| 02/13/2022 | 12:15:00 - 12:30:00 | 7 | 4 | 8 | Offline | Offline | 3.6 | 331.4 | -7.3 | 91.0 | 997.4 |
| 02/13/2022 | 12:30:00 - 12:45:00 | 6 | 3 | 7 | Offline | Offline | 4.4 | 338.0 | -7.3 | 90.2 | 997.4 |
| 02/13/2022 | 12:45:00 - 13:00:00 | 6 | 3 | 7 | Offline | Offline | 3.8 | 352.0 | -7.3 | 89.8 | 997.4 |
| 02/13/2022 | 13:00:00 - 13:15:00 | 7 | 6 | 8 | Offline | Offline | 5.1 | 346.9 | -7.5 | 88.7 | 997.4 |
| 02/13/2022 | 13:15:00 - 13:30:00 | 6 | 3 | 7 | Offline | Offline | 4.9 | 338.5 | -7.5 | 87.1 | 997.4 |
| 02/13/2022 | 13:30:00 - 13:45:00 | 5 | 3 | 6 | Offline | Offline | 6.2 | 339.2 | -7.7 | 85.2 | 997.5 |
| 02/13/2022 | 13:45:00 - 14:00:00 | 5 | 3 | 6 | Offline | Offline | 7.1 | 336.3 | -7.9 | 83.1 | 997.5 |
| 02/13/2022 | 14:00:00 - 14:15:00 | 5 | 3 | 6 | Offline | Offline | 6.9 | 331.9 | -7.8 | 82.2 | 997.5 |
| 02/13/2022 | 14:15:00 - 14:30:00 | 5 | 3 | 6 | Offline | Offline | 7.3 | 331.4 | -8.1 | 80.6 | 997.5 |
| 02/13/2022 | 14:30:00 - 14:45:00 | 5 | 3 | 6 | Offline | Offline | 6.8 | 340.7 | -8.2 | 81.2 | 997.6 |
| 02/13/2022 | 14:45:00 - 15:00:00 | 5 | 3 | 6 | Offline | Offline | 6.3 | 341.8 | -8.0 | 81.5 | 997.8 |
| 02/13/2022 | 15:00:00 - 15:15:00 | 5 | 3 | 7 | Offline | Offline | 7.4 | 340.1 | -8.2 | 79.7 | 998.0 |
| 02/13/2022 | 15:15:00 - 15:30:00 | 5 | 3 | 6 | Offline | Offline | 7.9 | 339.4 | -8.6 | 76.4 | 998.1 |
| 02/13/2022 | 15:30:00 - 15:45:00 | 4 | 3 | 6 | Offline | Offline | 7.9 | 334.5 | -8.7 | 75.2 | 998.2 |
| 02/13/2022 | 15:45:00 - 16:00:00 | 5 | 3 | 6 | Offline | Offline | 7.1 | 336.9 | -8.8 | 73.9 | 998.3 |
| 02/13/2022 | 16:00:00 - 16:15:00 | 6 | 3 | 7 | Offline | Offline | 6.3 | 337.9 | -9.1 | 74.4 | 998.3 |
| 02/13/2022 | 16:15:00 - 16:30:00 | 7 | 3 | 7 | Offline | Offline | 6.8 | 333.5 | -9.2 | 74.4 | 998.6 |
| 02/13/2022 | 16:30:00 - 16:45:00 | 6 | 3 | 7 | Offline | Offline | 7.3 | 335.3 | -9.3 | 72.6 | 998.7 |
| 02/13/2022 | 16:45:00 - 17:00:00 | 6 | 3 | 7 | Offline | Offline | 6.9 | 337.2 | -9.3 | 71.5 | 998.8 |
| 02/13/2022 | 17:00:00 - 17:15:00 | 6 | 3 | 7 | Offline | Offline | 5.8 | 340.0 | -9.6 | 70.0 | 998.8 |
| 02/13/2022 | 17:15:00 - 17:30:00 | 6 | Offline | 7 | Offline | Offline | 5.0 | 330.9 | -10.0 | 70.3 | 999.0 |
| 02/13/2022 | 17:30:00 - 17:45:00 | 6 | Offline | 7 | Offline | Offline | 4.1 | 326.5 | -10.1 | 70.9 | 999.1 |
| 02/13/2022 | 17:45:00 - 18:00:00 | 6 | Offline | 7 | Offline | Offline | 3.6 | 320.2 | -10.0 | 71.8 | 999.2 |
| 02/13/2022 | 18:00:00 - 18:15:00 | 7 | Offline | 7 | Offline | Offline | 4.7 | 336.6 | -9.9 | 73.2 | 999.3 |
| 02/13/2022 | 18:15:00 - 18:30:00 | 7 | Offline | 8 | Offline | Offline | 4.0 | 337.6 | -9.8 | 75.0 | 999.4 |
| 02/13/2022 | 18:30:00 - 18:45:00 | 8 | Offline | 8 | Offline | Offline | 5.3 | 339.4 | -10.1 | 76.0 | 999.6 |
| 02/13/2022 | 18:45:00 - 19:00:00 | 8 | Offline | 8 | Offline | Offline | 4.5 | 333.0 | -10.5 | 77.2 | 999.8 |
| 02/13/2022 | 19:00:00 - 19:15:00 | 9 | Offline | 8 | Offline | Offline | 4.8 | 338.3 | -10.8 | 78.7 | 999.8 |
| 02/13/2022 | 19:15:00 - 19:30:00 | 10 | Offline | 9 | Offline | Offline | 3.8 | 341.5 | -11.1 | 80.6 | 999.7 |
| 02/13/2022 | 19:30:00 - 19:45:00 | 10 | Offline | 10 | Offline | Offline | 3.0 | 353.7 | -11.4 | 81.9 | 999.6 |
| 02/13/2022 | 19:45:00 - 20:00:00 | 10 | Offline | 9 | Offline | Offline | 2.9 | 354.6 | -11.7 | 82.0 | 999.6 |
| 02/13/2022 | 20:00:00 - 20:15:00 | 11 | Offline | 10 | Offline | Offline | 2.4 | 350.8 | -12.0 | 81.9 | 999.6 |
| 02/13/2022 | 20:15:00 - 20:30:00 | 11 | Offline | 10 | Offline | Offline | 2.0 | 359.0 | -12.5 | 82.5 | 999.5 |
| 02/13/2022 | 20:30:00 - 20:45:00 | 12 | Offline | 10 | Offline | Offline | 1.8 | 357.3 | -12.7 | 83.0 | 999.6 |
| 02/13/2022 | 20:45:00 - 21:00:00 | 12 | Offline | 10 | Offline | Offline | 1.3 | 32.1 | -12.9 | 83.6 | 999.5 |
| 02/13/2022 | 21:00:00 - 21:15:00 | 12 | Offline | 10 | Offline | Offline | 0.9 | 343.5 | -12.9 | 83.8 | 999.5 |
| 02/13/2022 | 21:15:00 - 21:30:00 | 12 | Offline | 11 | Offline | Offline | 1.1 | 358.6 | -12.6 | 83.9 | 999.4 |
| 02/13/2022 | 21:30:00 - 21:45:00 | 13 | Offline | 11 | Offline | Offline | 1.3 | 352.6 | -12.3 | 83.3 | 999.4 |
| 02/13/2022 | 21:45:00 - 22:00:00 | 14 | Offline | 12 | Offline | Offline | 1.2 | 359.7 | -12.1 | 82.9 | 999.2 |
| 02/13/2022 | 22:00:00 - 22:15:00 | 13 | Offline | 11 | Offline | Offline | 1.2 | 340.7 | -12.4 | 82.6 | 999.1 |
| 02/13/2022 | 22:15:00 - 22:30:00 | 12 | Offline | 11 | Offline | Offline | 0.9 | 317.3 | -12.4 | 83.0 | 999.2 |
| 02/13/2022 | 22:30:00 - 22:45:00 | 13 | Offline | 11 | Offline | Offline | 1.9 | 350.5 | -12.2 | 83.5 | 999.2 |
| 02/13/2022 | 22:45:00 - 23:00:00 | 12 | Offline | 11 | Offline | Offline | 1.8 | 339.6 | -11.7 | 82.2 | 999.2 |
| 02/13/2022 | 23:00:00 - 23:15:00 | 12 | Offline | 10 | Offline | Offline | 2.0 | 330.6 | -11.3 | 79.7 | 999.1 |
| 02/13/2022 | 23:15:00 - 23:30:00 | 11 | Offline | 10 | Offline | Offline | 2.1 | 326.7 | -11.1 | 78.3 | 999.0 |
| 02/13/2022 | 23:30:00 - 23:45:00 | 11 | Offline | 10 | Offline | Offline | 1.6 | 331.2 | -11.0 | 77.2 | 998.7 |
| 02/14/2022 | 23:45:00 - 00:00:00 | 10 | Offline | 10 | Offline | Offline | 1.7 | 322.9 | -11.0 | 76.2 | 998.7 |
| 02/14/2022 | 00:00:00 - 00:15:00 | 10 | Offline | 9 | Offline | Offline | 1.3 | 344.3 | -10.9 | 76.0 | 998.5 |
| 02/14/2022 | 00:15:00 - 00:30:00 | 12 | Offline | 11 | Offline | Offline | 1.4 | 341.0 | -10.8 | 75.5 | 998.5 |
| 02/14/2022 | 00:30:00 - 00:45:00 | 14 | Offline | 13 | Offline | Offline | 2.3 | 323.2 | -10.7 | 77.9 | 998.6 |
| 02/14/2022 | 00:45:00 - 01:00:00 | 14 | Offline | 12 | Offline | Offline | 2.9 | 323.1 | -10.8 | 78.2 | 998.7 |
| 02/14/2022 | 01:00:00 - 01:15:00 | 13 | Offline | 12 | Offline | Offline | 2.4 | 316.8 | -10.8 | 78.5 | 998.7 |
| 02/14/2022 | 01:15:00 - 01:30:00 | 13 | Offline | 11 | Offline | Offline | 1.9 | 331.2 | -10.8 | 78.7 | 998.6 |
| 02/14/2022 | 01:30:00 - 01:45:00 | 11 | Offline | 10 | Offline | Offline | 2.1 | 325.5 | -10.8 | 77.4 | 998.5 |
| 02/14/2022 | 01:45:00 - 02:00:00 | 11 | Offline | 10 | Offline | Offline | 2.0 | 337.1 | -10.7 | 78.0 | 998.5 |
| 02/14/2022 | 02:00:00 - 02:15:00 | 11 | Offline | 10 | Offline | Offline | 1.3 | 312.4 | -10.8 | 77.6 | 998.4 |
| 02/14/2022 | 02:15:00 - 02:30:00 | 12 | Offline | 10 | Offline | Offline | 1.2 | 290.7 | -10.9 | 77.6 | 998.2 |
| 02/14/2022 | 02:30:00 - 02:45:00 | 11 | Offline | 10 | Offline | Offline | 1.4 | 298.2 | -10.9 | 78.6 | 998.1 |
| 02/14/2022 | 02:45:00 - 03:00:00 | 11 | Offline | 10 | Offline | Offline | 2.0 | 299.8 | -10.9 | 78.2 | 998.1 |
| 02/14/2022 | 03:00:00 - 03:15:00 | 11 | Offline | 10 | Offline | Offline | 1.2 | 263.7 | -10.9 | 77.9 | 998.0 |
| 02/14/2022 | 03:15:00 - 03:30:00 | 11 | Offline | 10 | Offline | Offline | 1.8 | 249.4 | -10.8 | 78.0 | 997.9 |
| 02/14/2022 | 03:30:00 - 03:45:00 | 11 | Offline | 10 | Offline | Offline | 1.6 | 247.2 | -10.9 | 78.2 | 997.8 |
| 02/14/2022 | 03:45:00 - 04:00:00 | 12 | Offline | 11 | Offline | Offline | 0.1 | 80.9 | -11.2 | 78.8 | 997.6 |
| 02/14/2022 | 04:00:00 - 04:15:00 | 14 | Offline | 12 | Offline | Offline | 0.2 | 139.9 | -11.1 | 80.9 | 997.6 |
| 02/14/2022 | 04:15:00 - 04:30:00 | 13 | Offline | 12 | Offline | Offline | 0.4 | 180.7 | -10.9 | 81.0 | 997.6 |
| 02/14/2022 | 04:30:00 - 04:45:00 | 13 | Offline | 11 | Offline | Offline | 0.8 | 197.3 | -11.0 | 80.7 | 997.4 |
| 02/14/2022 | 04:45:00 - 05:00:00 | 13 | Offline | 12 | Offline | Offline | 0.3 | 163.0 | -11.2 | 81.4 | 997.5 |
| 02/14/2022 | 05:00:00 - 05:15:00 | 13 | Offline | 12 | Offline | Offline | 0.3 | 159.6 | -11.1 | 81.6 | 997.8 |
| 02/14/2022 | 05:15:00 - 05:30:00 | 13 | Offline | 11 | Offline | Offline | 1.0 | 202.2 | -11.0 | 81.1 | 997.7 |
| 02/14/2022 | 05:30:00 - 05:45:00 | 12 | Offline | 11 | Offline | Offline | 1.0 | 200.6 | -11.1 | 81.0 | 997.7 |
| 02/14/2022 | 05:45:00 - 06:00:00 | 12 | Offline | 11 | Offline | Offline | 0.4 | 159.4 | -11.1 | 81.0 | 997.8 |
| 02/14/2022 | 06:00:00 - 06:15:00 | 12 | Offline | 11 | Offline | Offline | 0.8 | 200.5 | -11.0 | 81.0 | 997.7 |
| 02/14/2022 | 06:15:00 - 06:30:00 | 12 | Offline | 11 | Offline | Offline | 0.7 | 200.8 | -11.1 | 81.0 | 997.9 |
| 02/14/2022 | 06:30:00 - 06:45:00 | 12 | Offline | 11 | Offline | Offline | 0.8 | 213.9 | -11.1 | 81.8 | 998.0 |
| 02/14/2022 | 06:45:00 - 07:00:00 | 13 | Offline | 11 | Offline | Offline | 0.1 | 147.1 | -11.3 | 82.1 | 998.1 |
| 02/14/2022 | 07:00:00 - 07:15:00 | 13 | Offline | 12 | Offline | Offline | 0.4 | 218.2 | -11.3 | 83.0 | 998.2 |
| 02/14/2022 | 07:15:00 - 07:30:00 | 13 | Offline | 11 | Offline | Offline | 0.4 | 220.4 | -11.0 | 82.1 | 998.5 |
| 02/14/2022 | 07:30:00 - 07:45:00 | 12 | Offline | 11 | Offline | Offline | 0.8 | 119.6 | -10.3 | 80.0 | 998.7 |
| 02/14/2022 | 07:45:00 - 08:00:00 | 12 | Offline | 10 | 4 | 13 | 1.1 | 116.1 | -9.8 | 78.2 | 998.8 |
| 02/14/2022 | 08:00:00 - 08:15:00 | 11 | 5 | 10 | 3 | 12 | 1.7 | 137.5 | -9.3 | 75.1 | 998.5 |
| 02/14/2022 | 08:15:00 - 08:30:00 | 11 | 5 | 10 | 3 | 11 | 1.2 | 187.8 | -8.7 | 73.9 | 998.5 |
| 02/14/2022 | 08:30:00 - 08:45:00 | 10 | 5 | 12 | Offline | 10 | 1.7 | 150.5 | -8.3 | 72.3 | 998.6 |
| 02/14/2022 | 08:45:00 - 09:00:00 | 10 | Offline | 9 | Offline | 10 | 1.6 | 155.4 | -8.1 | 71.3 | 998.8 |
| 02/14/2022 | 09:00:00 - 09:15:00 | 10 | Offline | 9 | 3 | 10 | 2.6 | 198.9 | -7.9 | 71.6 | 999.0 |
| 02/14/2022 | 09:15:00 - 09:30:00 | 9 | Offline | 9 | 3 | 10 | 2.5 | 205.5 | -8.0 | 72.3 | 999.1 |
| 02/14/2022 | 09:30:00 - 09:45:00 | 9 | 5 | 9 | 2 | 10 | 1.7 | 182.9 | -7.3 | 71.9 | 999.2 |
| 02/14/2022 | 09:45:00 - 10:00:00 | 9 | 5 | 9 | 2 | 10 | 2.4 | 198.0 | -6.8 | 71.0 | 999.3 |
| 02/14/2022 | 10:00:00 - 10:15:00 | 8 | 4 | 9 | 2 | 10 | 2.8 | 194.6 | -6.7 | 69.6 | 999.4 |
| 02/14/2022 | 10:15:00 - 10:30:00 | 9 | 4 | 9 | 2 | 9 | 3.7 | 206.7 | -6.6 | 70.3 | 999.5 |
| 02/14/2022 | 10:30:00 - 10:45:00 | 9 | 4 | 9 | 2 | 9 | 4.0 | 207.4 | -6.6 | 70.9 | 999.5 |
| 02/14/2022 | 10:45:00 - 11:00:00 | 9 | 4 | 9 | 2 | 10 | 2.6 | 155.2 | -5.9 | 69.3 | 999.5 |
| 02/14/2022 | 11:00:00 - 11:15:00 | 9 | 4 | 9 | 2 | 9 | 2.1 | 151.1 | -5.0 | 66.8 | 999.4 |
| 02/14/2022 | 11:15:00 - 11:30:00 | 9 | 4 | 9 | 2 | 9 | 2.6 | 167.4 | -5.2 | 67.3 | 999.4 |
| 02/14/2022 | 11:30:00 - 11:45:00 | 9 | 4 | 9 | 2 | 9 | 2.9 | 136.9 | -4.9 | 67.0 | 999.3 |
| 02/14/2022 | 11:45:00 - 12:00:00 | 10 | 4 | 9 | 2 | 10 | 2.0 | 158.2 | -4.4 | 65.5 | 999.1 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 02/14/2022 | 12:00:00 - 12:15:00 | 10 | 4 | 9 | 2 | 9 | 2.4 | 137.8 | -3.9 | 65.0 | 998.9 |
| 02/14/2022 | 12:15:00 - 12:30:00 | 9 | 4 | 9 | 2 | 9 | 3.1 | 120.7 | -3.8 | 65.1 | 998.8 |
| 02/14/2022 | 12:30:00 - 12:45:00 | 9 | 4 | 9 | 2 | 9 | 3.8 | 114.1 | -4.2 | 67.6 | 998.7 |
| 02/14/2022 | 12:45:00 - 13:00:00 | 10 | 4 | 9 | 2 | 9 | 1.9 | 161.6 | -3.2 | 65.7 | 998.6 |
| 02/14/2022 | 13:00:00 - 13:15:00 | 10 | 4 | 9 | 2 | 10 | 3.4 | 135.4 | -3.5 | 66.0 | 998.5 |
| 02/14/2022 | 13:15:00 - 13:30:00 | 10 | 4 | 9 | 2 | 9 | 2.6 | 167.4 | -3.2 | 67.0 | 998.3 |
| 02/14/2022 | 13:30:00 - 13:45:00 | 10 | 4 | 9 | 2 | 10 | 3.2 | 130.4 | -3.0 | 66.9 | 998.3 |
| 02/14/2022 | 13:45:00 - 14:00:00 | 11 | 4 | 9 | 2 | 9 | 2.6 | 169.2 | -2.6 | 66.6 | 998.3 |
| 02/14/2022 | 14:00:00 - 14:15:00 | 11 | 4 | 9 | 2 | 9 | 2.5 | 160.9 | -2.3 | 65.6 | 998.2 |
| 02/14/2022 | 14:15:00 - 14:30:00 | 11 | 4 | 9 | 2 | 9 | 2.4 | 173.2 | -1.9 | 64.9 | 998.2 |
| 02/14/2022 | 14:30:00 - 14:45:00 | 11 | 4 | 9 | 3 | 10 | 2.7 | 154.3 | -1.9 | 65.2 | 998.2 |
| 02/14/2022 | 14:45:00 - 15:00:00 | 11 | 4 | 9 | 3 | 10 | 2.1 | 162.2 | -1.5 | 64.8 | 998.3 |
| 02/14/2022 | 15:00:00 - 15:15:00 | 11 | 4 | 9 | 3 | 10 | 2.2 | 166.6 | -1.4 | 65.5 | 998.3 |
| 02/14/2022 | 15:15:00 - 15:30:00 | 11 | 4 | 9 | 3 | 10 | 1.8 | 164.3 | -1.5 | 66.6 | 998.3 |
| 02/14/2022 | 15:30:00 - 15:45:00 | 11 | 4 | 9 | 3 | 10 | 3.2 | 118.5 | -1.7 | 67.6 | 998.4 |
| 02/14/2022 | 15:45:00 - 16:00:00 | 11 | 4 | 9 | 3 | 10 | 1.6 | 161.9 | -1.8 | 69.1 | 998.6 |
| 02/14/2022 | 16:00:00 - 16:15:00 | 11 | 4 | 9 | 3 | 11 | 2.4 | 124.1 | -1.8 | 69.6 | 998.6 |
| 02/14/2022 | 16:15:00 - 16:30:00 | 11 | 5 | 9 | 3 | 11 | 2.3 | 115.4 | -1.8 | 70.0 | 998.7 |
| 02/14/2022 | 16:30:00 - 16:45:00 | 11 | 5 | 9 | 3 | 11 | 2.4 | 113.4 | -1.9 | 70.4 | 998.8 |
| 02/14/2022 | 16:45:00 - 17:00:00 | 11 | 5 | 9 | 3 | 12 | 1.8 | 136.3 | -1.9 | 70.9 | 999.0 |
| 02/14/2022 | 17:00:00 - 17:15:00 | 12 | 5 | 9 | 3 | 12 | 1.1 | 136.9 | -2.2 | 72.1 | 999.2 |
| 02/14/2022 | 17:15:00 - 17:30:00 | 12 | 5 | 9 | 3 | 13 | 0.8 | 125.5 | -2.6 | 74.5 | 999.2 |
| 02/14/2022 | 17:30:00 - 17:45:00 | 13 | 5 | 9 | 3 | 13 | 0.3 | 91.3 | -3.3 | 76.6 | 999.4 |
| 02/14/2022 | 17:45:00 - 18:00:00 | 13 | 6 | 9 | 3 | 14 | 0.4 | 57.0 | -3.7 | 79.1 | 999.5 |
| 02/14/2022 | 18:00:00 - 18:15:00 | 20 | 8 | 9 | 5 | 22 | 1.2 | 30.7 | -3.9 | 80.7 | 999.8 |
| 02/14/2022 | 18:15:00 - 18:30:00 | 20 | 10 | 9 | 6 | 20 | 1.7 | 76.3 | -4.1 | 81.3 | 999.9 |
| 02/14/2022 | 18:30:00 - 18:45:00 | 15 | 11 | 9 | 7 | 17 | 1.3 | 75.0 | -4.6 | 82.2 | 1000.0 |
| 02/14/2022 | 18:45:00 - 19:00:00 | 16 | 8 | 9 | 6 | 16 | 1.0 | 77.6 | -4.5 | 83.4 | 1000.1 |
| 02/14/2022 | 19:00:00 - 19:15:00 | 22 | 9 | 9 | 7 | 22 | 0.9 | 26.3 | -4.8 | 83.1 | 1000.3 |
| 02/14/2022 | 19:15:00 - 19:30:00 | 27 | 11 | 9 | 6 | 26 | 1.1 | 45.6 | -5.5 | 85.5 | 1000.3 |
| 02/14/2022 | 19:30:00 - 19:45:00 | 21 | 10 | 9 | 5 | 22 | 1.1 | 19.2 | -5.7 | 86.6 | 1000.4 |
| 02/14/2022 | 19:45:00 - 20:00:00 | 28 | 16 | 9 | 7 | 29 | 1.0 | 50.1 | -5.9 | 87.9 | 1000.6 |
| 02/14/2022 | 20:00:00 - 20:15:00 | 21 | 11 | 9 | 11 | 24 | 1.2 | 54.1 | -5.6 | 87.4 | 1000.6 |
| 02/14/2022 | 20:15:00 - 20:30:00 | 29 | 9 | 9 | 6 | 26 | 1.2 | 61.4 | -5.4 | 87.3 | 1000.6 |
| 02/14/2022 | 20:30:00 - 20:45:00 | 32 | 10 | 9 | 6 | 30 | 1.1 | 62.9 | -5.5 | 86.8 | 1000.5 |
| 02/14/2022 | 20:45:00 - 21:00:00 | 21 | 8 | 9 | 5 | 21 | 0.9 | 81.5 | -5.1 | 87.1 | 1000.7 |
| 02/14/2022 | 21:00:00 - 21:15:00 | 22 | 9 | 9 | 6 | 22 | 1.5 | 87.1 | -5.0 | 85.7 | 1000.9 |
| 02/14/2022 | 21:15:00 - 21:30:00 | 23 | 9 | 9 | 6 | 22 | 2.1 | 88.5 | -5.2 | 85.7 | 1000.8 |
| 02/14/2022 | 21:30:00 - 21:45:00 | 21 | 8 | 9 | 5 | 21 | 1.3 | 100.6 | -5.3 | 86.0 | 1000.8 |
| 02/14/2022 | 21:45:00 - 22:00:00 | 19 | 8 | 9 | 5 | 19 | 1.2 | 90.7 | -5.5 | 85.8 | 1000.9 |
| 02/14/2022 | 22:00:00 - 22:15:00 | 18 | 7 | 9 | 5 | 18 | 1.2 | 94.7 | -5.5 | 85.1 | 1001.0 |
| 02/14/2022 | 22:15:00 - 22:30:00 | 20 | 8 | 9 | 5 | 19 | 1.3 | 68.0 | -5.8 | 84.8 | 1000.9 |
| 02/14/2022 | 22:30:00 - 22:45:00 | 19 | 8 | 9 | 5 | 19 | 1.4 | 91.6 | -5.7 | 84.2 | 1000.9 |
| 02/14/2022 | 22:45:00 - 23:00:00 | 20 | 8 | 9 | 5 | 20 | 1.4 | 93.4 | -5.8 | 83.6 | 1000.9 |
| 02/14/2022 | 23:00:00 - 23:15:00 | 20 | 9 | 9 | 6 | 20 | 1.3 | 56.1 | -6.1 | 83.2 | 1000.9 |
| 02/14/2022 | 23:15:00 - 23:30:00 | 24 | 10 | 9 | 6 | 23 | 1.1 | 52.4 | -6.9 | 85.6 | 1001.0 |
| 02/14/2022 | 23:30:00 - 23:45:00 | 24 | 10 | 9 | 6 | 22 | 1.3 | 62.7 | -7.0 | 86.8 | 1001.1 |
| 02/15/2022 | 23:45:00 - 00:00:00 | 27 | 11 | 9 | 7 | 25 | 1.1 | 47.2 | -7.2 | 86.7 | 1001.1 |
| 02/15/2022 | 00:00:00 - 00:15:00 | 31 | 11 | 9 | 6 | 29 | 1.0 | 31.8 | -7.5 | 87.7 | 1001.2 |
| 02/15/2022 | 00:15:00 - 00:30:00 | 28 | 10 | 9 | 7 | 27 | 1.4 | 43.8 | -7.6 | 88.0 | 1001.2 |
| 02/15/2022 | 00:30:00 - 00:45:00 | 30 | 10 | 9 | 6 | 29 | 1.2 | 20.9 | -7.9 | 88.5 | 1001.1 |
| 02/15/2022 | 00:45:00 - 01:00:00 | 30 | 10 | 9 | 6 | 26 | 1.4 | 359.6 | -8.4 | 89.4 | 1001.2 |
| 02/15/2022 | 01:00:00 - 01:15:00 | 27 | 10 | 9 | 5 | 25 | 1.4 | 8.8 | -8.7 | 91.1 | 1001.7 |
| 02/15/2022 | 01:15:00 - 01:30:00 | 25 | 9 | 9 | 6 | 24 | 1.6 | 15.9 | -8.8 | 91.8 | 1001.8 |
| 02/15/2022 | 01:30:00 - 01:45:00 | 25 | 9 | 9 | 7 | 24 | 1.3 | 19.4 | -8.9 | 91.5 | 1001.6 |
| 02/15/2022 | 01:45:00 - 02:00:00 | 27 | 10 | 9 | 6 | 25 | 1.2 | 45.7 | -9.0 | 92.0 | 1001.4 |
| 02/15/2022 | 02:00:00 - 02:15:00 | 27 | 11 | 9 | 7 | 26 | 1.6 | 59.4 | -7.9 | 89.3 | 1001.3 |
| 02/15/2022 | 02:15:00 - 02:30:00 | 25 | 10 | 9 | 6 | 24 | 1.2 | 94.6 | -7.6 | 86.7 | 1001.2 |
| 02/15/2022 | 02:30:00 - 02:45:00 | 22 | 9 | 9 | 6 | 22 | 1.5 | 119.9 | -6.9 | 83.1 | 1001.0 |
| 02/15/2022 | 02:45:00 - 03:00:00 | 21 | 8 | 9 | 5 | 20 | 2.4 | 100.7 | -6.6 | 80.7 | 1001.0 |
| 02/15/2022 | 03:00:00 - 03:15:00 | 21 | 8 | 9 | 5 | 20 | 2.6 | 91.4 | -6.6 | 80.0 | 1000.9 |
| 02/15/2022 | 03:15:00 - 03:30:00 | 21 | 8 | 9 | 5 | 19 | 1.9 | 95.7 | -6.6 | 79.9 | 1000.7 |
| 02/15/2022 | 03:30:00 - 03:45:00 | 20 | 8 | 9 | 5 | 19 | 1.8 | 107.6 | -6.6 | 79.0 | 1000.6 |
| 02/15/2022 | 03:45:00 - 04:00:00 | 21 | 8 | 9 | 5 | 19 | 2.7 | 96.8 | -6.7 | 79.0 | 1000.7 |
| 02/15/2022 | 04:00:00 - 04:15:00 | 21 | 8 | 9 | 5 | 20 | 2.1 | 82.2 | -6.8 | 79.0 | 1000.9 |
| 02/15/2022 | 04:15:00 - 04:30:00 | 21 | 8 | 9 | 5 | 20 | 2.1 | 82.5 | -7.0 | 79.7 | 1001.0 |
| 02/15/2022 | 04:30:00 - 04:45:00 | 21 | 8 | 9 | 5 | 19 | 1.9 | 96.4 | -7.0 | 79.8 | 1001.0 |
| 02/15/2022 | 04:45:00 - 05:00:00 | 21 | 8 | 9 | 5 | 19 | 2.3 | 93.7 | -6.7 | 78.1 | 1001.1 |
| 02/15/2022 | 05:00:00 - 05:15:00 | 21 | 8 | 9 | 5 | 19 | 1.6 | 105.0 | -6.7 | 78.0 | 1001.3 |
| 02/15/2022 | 05:15:00 - 05:30:00 | 27 | 10 | 9 | 6 | 26 | 2.4 | 86.9 | -6.8 | 78.0 | 1001.3 |
| 02/15/2022 | 05:30:00 - 05:45:00 | 27 | 9 | 9 | 6 | 25 | 3.1 | 87.0 | -7.0 | 78.2 | 1001.2 |
| 02/15/2022 | 05:45:00 - 06:00:00 | 21 | 9 | 9 | 5 | 20 | 2.9 | 65.9 | -7.3 | 78.9 | 1001.4 |
| 02/15/2022 | 06:00:00 - 06:15:00 | 20 | 8 | 9 | 5 | 19 | 2.0 | 114.1 | -7.2 | 79.3 | 1001.4 |
| 02/15/2022 | 06:15:00 - 06:30:00 | 19 | 8 | 9 | 4 | 19 | 2.4 | 101.8 | -6.7 | 76.7 | 1001.6 |
| 02/15/2022 | 06:30:00 - 06:45:00 | 19 | 7 | 9 | 4 | 17 | 2.8 | 101.9 | -6.7 | 76.0 | 1001.6 |
| 02/15/2022 | 06:45:00 - 07:00:00 | 20 | 7 | 9 | 4 | 19 | 3.5 | 80.1 | -6.9 | 76.3 | 1001.5 |
| 02/15/2022 | 07:00:00 - 07:15:00 | 21 | 8 | 9 | 5 | 21 | 3.6 | 72.8 | -7.5 | 78.1 | 1001.6 |
| 02/15/2022 | 07:15:00 - 07:30:00 | 21 | 8 | 9 | 5 | 21 | 4.3 | 85.2 | -7.1 | 77.3 | 1001.7 |
| 02/15/2022 | 07:30:00 - 07:45:00 | 20 | 7 | 10 | 5 | 20 | 4.5 | 86.5 | -6.4 | 74.9 | 1001.8 |
| 02/15/2022 | 07:45:00 - 08:00:00 | 19 | 7 | 16 | 5 | 18 | 2.8 | 98.7 | -6.0 | 73.1 | 1002.0 |
| 02/15/2022 | 08:00:00 - 08:15:00 | 18 | 7 | 15 | 5 | 17 | 5.1 | 85.6 | -5.6 | 71.2 | 1002.0 |
| 02/15/2022 | 08:15:00 - 08:30:00 | 17 | 7 | 15 | 5 | 17 | 5.3 | 90.9 | -5.3 | 70.4 | 1001.9 |
| 02/15/2022 | 08:30:00 - 08:45:00 | 17 | 7 | 14 | 4 | 16 | 5.3 | 96.1 | -4.6 | 68.6 | 1001.7 |
| 02/15/2022 | 08:45:00 - 09:00:00 | 16 | 6 | 14 | 4 | 15 | 5.8 | 96.1 | -3.9 | 66.4 | 1001.7 |
| 02/15/2022 | 09:00:00 - 09:15:00 | 15 | 6 | 13 | 4 | 16 | 5.5 | 93.9 | -2.8 | 63.8 | 1001.7 |
| 02/15/2022 | 09:15:00 - 09:30:00 | 13 | 6 | 12 | 4 | 14 | 4.6 | 106.3 | -1.2 | 58.3 | 1001.7 |
| 02/15/2022 | 09:30:00 - 09:45:00 | 14 | 6 | 12 | 3 | 15 | 6.3 | 92.7 | -1.1 | 58.2 | 1001.4 |
| 02/15/2022 | 09:45:00 - 10:00:00 | 14 | 6 | 12 | 4 | 16 | 5.2 | 106.7 | -0.7 | 57.7 | 1001.5 |
| 02/15/2022 | 10:00:00 - 10:15:00 | 15 | 6 | 13 | 4 | 16 | 5.1 | 103.6 | -0.3 | 56.8 | 1001.5 |
| 02/15/2022 | 10:15:00 - 10:30:00 | 16 | 6 | 13 | 4 | 15 | 4.9 | 110.0 | 0.4 | 56.2 | 1001.3 |
| 02/15/2022 | 10:30:00 - 10:45:00 | 15 | 6 | 13 | 4 | 16 | 5.7 | 113.3 | 1.0 | 54.8 | 1001.1 |
| 02/15/2022 | 10:45:00 - 11:00:00 | 15 | 6 | 13 | 4 | 16 | 6.2 | 112.7 | 1.3 | 55.0 | 1001.0 |
| 02/15/2022 | 11:00:00 - 11:15:00 | 16 | 6 | 13 | 15 | 16 | 5.5 | 119.9 | 2.0 | 55.0 | 1001.0 |
| 02/15/2022 | 11:15:00 - 11:30:00 | 17 | 6 | 13 | 16 | 16 | 5.7 | 107.9 | 2.4 | 55.8 | 1000.8 |
| 02/15/2022 | 11:30:00 - 11:45:00 | 20 | 6 | 14 | 5 | 18 | 6.1 | 104.6 | 2.9 | 55.9 | 1000.4 |
| 02/15/2022 | 11:45:00 - 12:00:00 | 19 | 6 | 15 | 4 | 16 | 6.5 | 99.7 | 2.9 | 56.8 | 1000.0 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 02/15/2022 | 12:00:00 - 12:15:00 | 19 | 6 | 14 | 4 | 16 | 7.2 | 93.7 | 3.0 | 59.5 | 999.7 |
| 02/15/2022 | 12:15:00 - 12:30:00 | 19 | 6 | 15 | 5 | 18 | 5.8 | 114.7 | 3.4 | 58.7 | 999.3 |
| 02/15/2022 | 12:30:00 - 12:45:00 | 20 | 6 | 15 | 4 | 19 | 6.9 | 104.6 | 3.5 | 58.9 | 999.1 |
| 02/15/2022 | 12:45:00 - 13:00:00 | 20 | 6 | 15 | 5 | 18 | 6.5 | 107.6 | 3.5 | 59.9 | 998.7 |
| 02/15/2022 | 13:00:00 - 13:15:00 | 20 | 6 | 15 | 4 | 17 | 6.7 | 109.6 | 3.8 | 60.5 | 998.2 |
| 02/15/2022 | 13:15:00 - 13:30:00 | 20 | 6 | 15 | 4 | 17 | 6.5 | 110.4 | 3.9 | 61.3 | 997.9 |
| 02/15/2022 | 13:30:00 - 13:45:00 | 21 | 7 | 16 | 4 | 18 | 7.1 | 100.0 | 3.7 | 63.1 | 997.4 |
| 02/15/2022 | 13:45:00 - 14:00:00 | 21 | 7 | 16 | 5 | 23 | 6.6 | 106.4 | 3.8 | 64.0 | 997.1 |
| 02/15/2022 | 14:00:00 - 14:15:00 | 20 | 6 | 15 | 11 | 17 | 6.8 | 108.7 | 4.3 | 63.5 | 996.8 |
| 02/15/2022 | 14:15:00 - 14:30:00 | 19 | 6 | 15 | 15 | 16 | 5.6 | 124.9 | 4.9 | 61.7 | 996.7 |
| 02/15/2022 | 14:30:00 - 14:45:00 | 20 | 7 | 16 | 5 | 17 | 7.4 | 124.5 | 5.1 | 61.5 | 996.4 |
| 02/15/2022 | 14:45:00 - 15:00:00 | 21 | 7 | 16 | 6 | 18 | 6.5 | 122.7 | 5.3 | 62.0 | 996.0 |
| 02/15/2022 | 15:00:00 - 15:15:00 | 20 | 6 | 15 | 5 | 17 | 7.8 | 116.3 | 5.7 | 61.5 | 995.7 |
| 02/15/2022 | 15:15:00 - 15:30:00 | 20 | 6 | 15 | 4 | 17 | 6.9 | 117.5 | 6.1 | 60.2 | 995.4 |
| 02/15/2022 | 15:30:00 - 15:45:00 | 18 | 6 | 14 | 4 | 15 | 6.4 | 126.3 | 6.2 | 60.6 | 995.2 |
| 02/15/2022 | 15:45:00 - 16:00:00 | 16 | 5 | 13 | 3 | 13 | 6.4 | 130.6 | 6.2 | 61.0 | 994.9 |
| 02/15/2022 | 16:00:00 - 16:15:00 | 16 | 5 | 13 | 3 | 14 | 6.1 | 124.6 | 6.2 | 62.2 | 994.6 |
| 02/15/2022 | 16:15:00 - 16:30:00 | 16 | 5 | 13 | 3 | 14 | 5.0 | 121.2 | 6.2 | 63.0 | 994.5 |
| 02/15/2022 | 16:30:00 - 16:45:00 | 16 | 5 | 13 | 3 | 13 | 5.6 | 126.5 | 6.0 | 64.0 | 994.2 |
| 02/15/2022 | 16:45:00 - 17:00:00 | 16 | 5 | 13 | 3 | 13 | 5.7 | 123.3 | 5.7 | 65.9 | 994.0 |
| 02/15/2022 | 17:00:00 - 17:15:00 | 15 | 5 | 13 | 3 | 13 | 5.4 | 125.5 | 5.3 | 68.1 | 993.9 |
| 02/15/2022 | 17:15:00 - 17:30:00 | 16 | 5 | 13 | 3 | 14 | 5.9 | 114.6 | 5.0 | 69.4 | 993.8 |
| 02/15/2022 | 17:30:00 - 17:45:00 | 16 | 6 | 13 | 3 | 13 | 5.0 | 125.5 | 4.8 | 70.7 | 993.6 |
| 02/15/2022 | 17:45:00 - 18:00:00 | 16 | 6 | 13 | 4 | 14 | 5.0 | 126.2 | 4.6 | 71.2 | 993.4 |
| 02/15/2022 | 18:00:00 - 18:15:00 | 16 | 6 | 13 | 4 | 14 | 6.3 | 126.1 | 4.8 | 71.0 | 993.3 |
| 02/15/2022 | 18:15:00 - 18:30:00 | 16 | 6 | 13 | 4 | 14 | 6.3 | 125.3 | 4.7 | 71.7 | 993.1 |
| 02/15/2022 | 18:30:00 - 18:45:00 | 17 | 6 | 14 | 4 | 15 | 6.1 | 124.2 | 4.6 | 72.0 | 992.8 |
| 02/15/2022 | 18:45:00 - 19:00:00 | 17 | 6 | 14 | 4 | 15 | 5.8 | 123.4 | 4.9 | 71.7 | 992.6 |
| 02/15/2022 | 19:00:00 - 19:15:00 | 16 | 6 | 13 | 3 | 14 | 5.7 | 127.1 | 5.5 | 69.7 | 992.4 |
| 02/15/2022 | 19:15:00 - 19:30:00 | 16 | 6 | 13 | 3 | 14 | 5.8 | 130.2 | 5.8 | 68.7 | 992.2 |
| 02/15/2022 | 19:30:00 - 19:45:00 | 16 | 6 | 13 | 3 | 14 | 4.8 | 127.4 | 6.0 | 68.1 | 992.0 |
| 02/15/2022 | 19:45:00 - 20:00:00 | 17 | 6 | 14 | 4 | 15 | 3.6 | 138.0 | 5.9 | 68.8 | 991.9 |
| 02/15/2022 | 20:00:00 - 20:15:00 | 16 | 6 | 13 | 4 | 15 | 4.5 | 139.0 | 5.5 | 70.8 | 991.8 |
| 02/15/2022 | 20:15:00 - 20:30:00 | 17 | 6 | 14 | 4 | 15 | 4.1 | 141.3 | 5.3 | 72.5 | 991.5 |
| 02/15/2022 | 20:30:00 - 20:45:00 | 17 | 6 | 14 | 4 | 15 | 3.9 | 138.8 | 5.4 | 72.3 | 991.3 |
| 02/15/2022 | 20:45:00 - 21:00:00 | 18 | 6 | 15 | 4 | 15 | 3.9 | 140.5 | 5.7 | 71.7 | 991.2 |
| 02/15/2022 | 21:00:00 - 21:15:00 | 18 | 6 | 15 | 4 | 16 | 4.1 | 139.9 | 6.3 | 69.7 | 991.1 |
| 02/15/2022 | 21:15:00 - 21:30:00 | 18 | 6 | 15 | 4 | 16 | 3.3 | 144.5 | 6.1 | 70.5 | 991.0 |
| 02/15/2022 | 21:30:00 - 21:45:00 | 18 | 6 | 15 | 4 | 16 | 4.1 | 142.6 | 5.9 | 71.1 | 990.9 |
| 02/15/2022 | 21:45:00 - 22:00:00 | 18 | 6 | 15 | 4 | 16 | 3.3 | 145.2 | 5.6 | 72.4 | 990.7 |
| 02/15/2022 | 22:00:00 - 22:15:00 | 18 | 6 | 14 | 4 | 16 | 2.9 | 139.9 | 5.4 | 73.2 | 990.5 |
| 02/15/2022 | 22:15:00 - 22:30:00 | 18 | 6 | 14 | 4 | 15 | 2.0 | 150.8 | 5.2 | 74.0 | 990.5 |
| 02/15/2022 | 22:30:00 - 22:45:00 | 17 | 6 | 14 | 4 | 15 | 1.7 | 140.0 | 5.0 | 75.3 | 990.5 |
| 02/15/2022 | 22:45:00 - 23:00:00 | 16 | 6 | 13 | 3 | 14 | 2.3 | 145.1 | 5.2 | 74.6 | 990.5 |
| 02/15/2022 | 23:00:00 - 23:15:00 | 15 | 5 | 13 | 3 | 13 | 2.7 | 162.3 | 5.9 | 71.7 | 990.5 |
| 02/15/2022 | 23:15:00 - 23:30:00 | 14 | 5 | 12 | 3 | 12 | 2.7 | 168.5 | 6.2 | 70.1 | 990.6 |
| 02/15/2022 | 23:30:00 - 23:45:00 | 13 | 5 | 11 | 3 | 12 | 2.9 | 157.7 | 6.5 | 69.4 | 990.6 |
| 02/16/2022 | 23:45:00 - 00:00:00 | 13 | 5 | 11 | 3 | 11 | 2.3 | 148.7 | 6.7 | 68.4 | 990.5 |
| 02/16/2022 | 00:00:00 - 00:15:00 | 12 | 4 | 10 | 3 | 11 | 2.6 | 144.8 | 6.3 | 69.4 | 990.4 |
| 02/16/2022 | 00:15:00 - 00:30:00 | 12 | 4 | 10 | 3 | 10 | 2.4 | 148.9 | 6.0 | 70.5 | 990.1 |
| 02/16/2022 | 00:30:00 - 00:45:00 | 12 | 4 | 10 | 3 | 10 | 2.4 | 150.5 | 5.7 | 71.7 | 990.0 |
| 02/16/2022 | 00:45:00 - 01:00:00 | 11 | 4 | 10 | 2 | 9 | 3.3 | 168.9 | 5.5 | 72.0 | 989.9 |
| 02/16/2022 | 01:00:00 - 01:15:00 | 11 | 4 | 10 | 2 | 9 | 3.0 | 155.6 | 5.4 | 72.0 | 989.8 |
| 02/16/2022 | 01:15:00 - 01:30:00 | 11 | 4 | 9 | 2 | 9 | 3.1 | 155.8 | 5.2 | 73.0 | 989.7 |
| 02/16/2022 | 01:30:00 - 01:45:00 | 10 | 4 | 9 | 2 | 9 | 2.7 | 140.7 | 5.2 | 72.5 | 989.7 |
| 02/16/2022 | 01:45:00 - 02:00:00 | 10 | 4 | 9 | 2 | 9 | 3.1 | 157.6 | 5.5 | 70.7 | 989.5 |
| 02/16/2022 | 02:00:00 - 02:15:00 | 11 | 4 | 9 | 2 | 9 | 3.2 | 166.6 | 5.4 | 71.2 | 989.4 |
| 02/16/2022 | 02:15:00 - 02:30:00 | 11 | 4 | 9 | 2 | 9 | 3.0 | 157.9 | 5.3 | 71.9 | 989.5 |
| 02/16/2022 | 02:30:00 - 02:45:00 | 11 | 4 | 10 | 2 | 10 | 2.6 | 165.3 | 5.4 | 71.0 | 989.4 |
| 02/16/2022 | 02:45:00 - 03:00:00 | 11 | 4 | 9 | 2 | 10 | 2.9 | 159.0 | 5.4 | 71.1 | 989.2 |
| 02/16/2022 | 03:00:00 - 03:15:00 | 11 | 4 | 10 | 2 | 10 | 2.8 | 158.4 | 5.3 | 71.8 | 989.1 |
| 02/16/2022 | 03:15:00 - 03:30:00 | 12 | 4 | 10 | 3 | 10 | 3.5 | 160.2 | 5.4 | 72.0 | 988.9 |
| 02/16/2022 | 03:30:00 - 03:45:00 | 12 | 4 | 10 | 3 | 11 | 3.0 | 155.6 | 5.4 | 72.3 | 988.8 |
| 02/16/2022 | 03:45:00 - 04:00:00 | 13 | 5 | 11 | 3 | 11 | 2.8 | 166.5 | 5.2 | 73.5 | 988.9 |
| 02/16/2022 | 04:00:00 - 04:15:00 | 14 | 5 | 12 | 3 | 12 | 2.9 | 169.0 | 5.2 | 74.0 | 988.9 |
| 02/16/2022 | 04:15:00 - 04:30:00 | 14 | 5 | 12 | 3 | 13 | 3.1 | 161.3 | 5.2 | 74.9 | 988.9 |
| 02/16/2022 | 04:30:00 - 04:45:00 | 15 | 5 | 13 | 3 | 13 | 3.3 | 158.7 | 5.3 | 74.5 | 988.8 |
| 02/16/2022 | 04:45:00 - 05:00:00 | 16 | 6 | 13 | 3 | 14 | 3.4 | 156.3 | 5.4 | 74.9 | 988.7 |
| 02/16/2022 | 05:00:00 - 05:15:00 | 16 | 6 | 14 | 4 | 14 | 3.4 | 154.2 | 5.3 | 75.5 | 988.6 |
| 02/16/2022 | 05:15:00 - 05:30:00 | 17 | 6 | 14 | 4 | 14 | 3.5 | 149.8 | 5.1 | 76.1 | 988.6 |
| 02/16/2022 | 05:30:00 - 05:45:00 | 17 | 6 | 14 | 4 | 15 | 3.1 | 156.5 | 5.1 | 76.8 | 988.4 |
| 02/16/2022 | 05:45:00 - 06:00:00 | 17 | 6 | 14 | 4 | 15 | 3.3 | 140.5 | 5.1 | 77.2 | 988.4 |
| 02/16/2022 | 06:00:00 - 06:15:00 | 18 | 6 | 15 | 4 | 15 | 2.8 | 144.7 | 5.1 | 78.0 | 988.2 |
| 02/16/2022 | 06:15:00 - 06:30:00 | 18 | 6 | 15 | 4 | 16 | 3.6 | 160.1 | 5.3 | 77.9 | 988.1 |
| 02/16/2022 | 06:30:00 - 06:45:00 | 18 | 6 | 15 | 4 | 16 | 3.6 | 176.5 | 5.5 | 78.0 | 988.0 |
| 02/16/2022 | 06:45:00 - 07:00:00 | 19 | 6 | 15 | 4 | 16 | 3.9 | 166.2 | 5.6 | 78.0 | 988.0 |
| 02/16/2022 | 07:00:00 - 07:15:00 | 19 | 7 | 15 | 4 | 16 | 4.4 | 177.2 | 5.7 | 78.6 | 988.0 |
| 02/16/2022 | 07:15:00 - 07:30:00 | 19 | 7 | 16 | 4 | 17 | 4.5 | 179.5 | 5.9 | 79.0 | 988.2 |
| 02/16/2022 | 07:30:00 - 07:45:00 | 19 | 6 | 15 | 4 | 16 | 4.2 | 166.5 | 6.3 | 78.2 | 988.2 |
| 02/16/2022 | 07:45:00 - 08:00:00 | 19 | 6 | 15 | 4 | 16 | 3.7 | 169.3 | 6.6 | 78.0 | 988.4 |
| 02/16/2022 | 08:00:00 - 08:15:00 | 19 | 7 | 15 | 4 | 16 | 3.7 | 171.2 | 6.8 | 78.2 | 988.5 |
| 02/16/2022 | 08:15:00 - 08:30:00 | 20 | 6 | 15 | 4 | 16 | 3.6 | 171.3 | 6.9 | 79.1 | 988.6 |
| 02/16/2022 | 08:30:00 - 08:45:00 | 20 | 6 | 15 | 4 | 16 | 2.9 | 171.6 | 7.8 | 77.7 | 988.8 |
| 02/16/2022 | 08:45:00 - 09:00:00 | 20 | 6 | 15 | 13 | 16 | 3.0 | 170.9 | 8.1 | 77.5 | 988.9 |
| 02/16/2022 | 09:00:00 - 09:15:00 | 19 | 6 | 14 | 5 | 16 | 2.8 | 154.9 | 8.6 | 77.4 | 988.8 |
| 02/16/2022 | 09:15:00 - 09:30:00 | 19 | 6 | 14 | 6 | 15 | 4.7 | 199.1 | 9.5 | 75.6 | 988.8 |
| 02/16/2022 | 09:30:00 - 09:45:00 | 18 | 6 | 13 | 7 | 14 | 4.2 | 193.3 | 10.2 | 74.2 | 988.7 |
| 02/16/2022 | 09:45:00 - 10:00:00 | 18 | 6 | 12 | 5 | 14 | 5.5 | 200.6 | 10.3 | 74.7 | 988.6 |
| 02/16/2022 | 10:00:00 - 10:15:00 | 18 | 6 | 12 | 7 | 14 | 6.3 | 204.5 | 10.1 | 76.3 | 988.6 |
| 02/16/2022 | 10:15:00 - 10:30:00 | 18 | 6 | 12 | 4 | 14 | 5.0 | 199.6 | 9.9 | 77.8 | 988.5 |
| 02/16/2022 | 10:30:00 - 10:45:00 | 18 | 6 | 12 | 4 | 14 | 3.7 | 194.0 | 9.8 | 78.7 | 988.3 |
| 02/16/2022 | 10:45:00 - 11:00:00 | 18 | 6 | 12 | 4 | 14 | 3.6 | 179.6 | 10.2 | 78.5 | 988.0 |
| 02/16/2022 | 11:00:00 - 11:15:00 | 17 | 6 | 12 | 3 | 13 | 3.8 | 195.3 | 10.4 | 77.7 | 987.9 |
| 02/16/2022 | 11:15:00 - 11:30:00 | 17 | 6 | 12 | 3 | 14 | 3.6 | 183.7 | 10.5 | 78.1 | 987.7 |
| 02/16/2022 | 11:30:00 - 11:45:00 | 17 | 6 | 12 | 4 | 14 | 3.2 | 177.4 | 10.3 | 79.2 | 987.5 |
| 02/16/2022 | 11:45:00 - 12:00:00 | 17 | 6 | 12 | 4 | 14 | 3.6 | 181.8 | 10.2 | 80.6 | 987.3 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 02/16/2022 | 12:00:00 - 12:15:00 | 17 | 6 | 12 | 4 | 13 | 3.1 | 182.1 | 10.6 | 80.0 | 987.0 |
| 02/16/2022 | 12:15:00 - 12:30:00 | 16 | 5 | 11 | 11 | 13 | 4.8 | 186.7 | 11.1 | 80.1 | 986.8 |
| 02/16/2022 | 12:30:00 - 12:45:00 | 13 | 9 | 22 | 24 | 9 | 5.4 | 195.8 | 11.5 | 80.0 | 986.4 |
| 02/16/2022 | 12:45:00 - 13:00:00 | 10 | 11 | 22 | 23 | 9 | 4.7 | 198.3 | 11.6 | 80.0 | 986.2 |
| 02/16/2022 | 13:00:00 - 13:15:00 | 9 | 11 | 22 | 23 | 9 | 5.7 | 193.8 | 11.6 | 80.2 | 986.0 |
| 02/16/2022 | 13:15:00 - 13:30:00 | 9 | 11 | 22 | 22 | 9 | 5.9 | 205.4 | 11.6 | 80.9 | 985.8 |
| 02/16/2022 | 13:30:00 - 13:45:00 | 9 | 11 | 21 | 22 | 8 | 5.2 | 194.8 | 11.9 | 80.1 | 985.8 |
| 02/16/2022 | 13:45:00 - 14:00:00 | 9 | 10 | 20 | 21 | 8 | 6.0 | 201.2 | 12.0 | 80.0 | 985.7 |
| 02/16/2022 | 14:00:00 - 14:15:00 | 9 | 10 | 20 | 21 | 8 | 6.1 | 207.6 | 12.2 | 80.0 | 985.8 |
| 02/16/2022 | 14:15:00 - 14:30:00 | 8 | 10 | 19 | 20 | 7 | 5.7 | 195.8 | 12.6 | 78.9 | 985.8 |
| 02/16/2022 | 14:30:00 - 14:45:00 | 8 | 9 | 18 | 19 | 7 | 6.1 | 197.4 | 12.7 | 78.0 | 985.7 |
| 02/16/2022 | 14:45:00 - 15:00:00 | 8 | 9 | 18 | 19 | 7 | 5.6 | 197.5 | 12.5 | 78.6 | 985.6 |
| 02/16/2022 | 15:00:00 - 15:15:00 | 8 | 9 | 18 | 19 | 7 | 5.7 | 208.4 | 12.4 | 79.0 | 985.8 |
| 02/16/2022 | 15:15:00 - 15:30:00 | 8 | 9 | 19 | 19 | 7 | 3.9 | 193.4 | 12.1 | 79.0 | 986.0 |
| 02/16/2022 | 15:30:00 - 15:45:00 | 8 | 10 | 19 | 19 | 7 | 2.3 | 176.4 | 11.7 | 79.4 | 986.2 |
| 02/16/2022 | 15:45:00 - 16:00:00 | 8 | 10 | 19 | 20 | 8 | 3.5 | 173.2 | 11.0 | 81.7 | 986.2 |
| 02/16/2022 | 16:00:00 - 16:15:00 | 8 | 9 | 19 | 19 | 7 | 3.3 | 180.6 | 10.7 | 82.8 | 986.2 |
| 02/16/2022 | 16:15:00 - 16:30:00 | 8 | 9 | 18 | 19 | 7 | 2.6 | 171.1 | 10.2 | 83.6 | 986.1 |
| 02/16/2022 | 16:30:00 - 16:45:00 | 8 | 9 | 18 | 19 | 7 | 3.5 | 171.1 | 10.1 | 84.2 | 986.0 |
| 02/16/2022 | 16:45:00 - 17:00:00 | 8 | 9 | 19 | 19 | 7 | 3.1 | 178.5 | 9.8 | 84.5 | 985.8 |
| 02/16/2022 | 17:00:00 - 17:15:00 | 8 | 9 | 19 | 19 | 7 | 3.0 | 176.6 | 9.8 | 85.0 | 985.9 |
| 02/16/2022 | 17:15:00 - 17:30:00 | 8 | 9 | 19 | 19 | 7 | 3.4 | 173.0 | 10.0 | 84.8 | 986.0 |
| 02/16/2022 | 17:30:00 - 17:45:00 | 8 | 9 | 18 | 19 | 7 | 3.4 | 172.5 | 10.1 | 84.5 | 986.1 |
| 02/16/2022 | 17:45:00 - 18:00:00 | 8 | 9 | 19 | 19 | 7 | 2.8 | 150.6 | 10.2 | 84.0 | 986.2 |
| 02/16/2022 | 18:00:00 - 18:15:00 | 8 | 9 | 19 | 19 | 7 | 2.6 | 173.3 | 10.1 | 84.0 | 986.1 |
| 02/16/2022 | 18:15:00 - 18:30:00 | 8 | 9 | 19 | 19 | 7 | 2.3 | 168.4 | 10.0 | 84.5 | 986.0 |
| 02/16/2022 | 18:30:00 - 18:45:00 | 8 | 9 | 19 | 19 | 7 | 2.0 | 157.9 | 10.0 | 84.0 | 985.8 |
| 02/16/2022 | 18:45:00 - 19:00:00 | 8 | 10 | 19 | 20 | 7 | 2.4 | 160.2 | 10.0 | 84.5 | 985.6 |
| 02/16/2022 | 19:00:00 - 19:15:00 | 8 | 9 | 19 | 20 | 7 | 2.4 | 173.7 | 9.7 | 86.8 | 985.4 |
| 02/16/2022 | 19:15:00 - 19:30:00 | 8 | 10 | 19 | 20 | 7 | 1.9 | 160.4 | 9.5 | 88.0 | 985.1 |
| 02/16/2022 | 19:30:00 - 19:45:00 | 8 | 9 | 18 | 19 | 7 | 2.6 | 165.7 | 9.7 | 88.0 | 984.8 |
| 02/16/2022 | 19:45:00 - 20:00:00 | 7 | 9 | 18 | 19 | 7 | 2.5 | 179.0 | 9.6 | 89.0 | 984.7 |
| 02/16/2022 | 20:00:00 - 20:15:00 | 7 | 9 | 17 | 18 | 7 | 2.5 | 173.2 | 9.7 | 89.0 | 984.5 |
| 02/16/2022 | 20:15:00 - 20:30:00 | 7 | 9 | 17 | 17 | 6 | 2.3 | 175.5 | 9.9 | 88.5 | 984.2 |
| 02/16/2022 | 20:30:00 - 20:45:00 | 7 | 8 | 17 | 17 | 6 | 3.3 | 170.8 | 10.1 | 87.7 | 984.1 |
| 02/16/2022 | 20:45:00 - 21:00:00 | 7 | 9 | 17 | 18 | 6 | 3.4 | 174.6 | 10.5 | 86.4 | 984.0 |
| 02/16/2022 | 21:00:00 - 21:15:00 | 7 | 9 | 18 | 18 | 7 | 3.4 | 173.7 | 10.5 | 87.3 | 984.0 |
| 02/16/2022 | 21:15:00 - 21:30:00 | 8 | 9 | 18 | 20 | 7 | 4.0 | 184.9 | 10.2 | 91.8 | 984.2 |
| 02/16/2022 | 21:30:00 - 21:45:00 | 8 | 9 | 18 | 19 | 7 | 2.9 | 175.9 | 9.8 | 94.0 | 983.8 |
| 02/16/2022 | 21:45:00 - 22:00:00 | 7 | 9 | 18 | 19 | 7 | 2.7 | 164.3 | 9.8 | 93.0 | 983.8 |
| 02/16/2022 | 22:00:00 - 22:15:00 | 7 | 9 | 17 | 18 | 7 | 3.0 | 180.9 | 10.3 | 91.1 | 983.7 |
| 02/16/2022 | 22:15:00 - 22:30:00 | 7 | 9 | 17 | 18 | 6 | 3.3 | 174.4 | 10.6 | 89.3 | 983.5 |
| 02/16/2022 | 22:30:00 - 22:45:00 | 7 | 9 | 17 | 18 | 6 | 4.0 | 173.2 | 10.5 | 89.3 | 983.3 |
| 02/16/2022 | 22:45:00 - 23:00:00 | 7 | 9 | 17 | 19 | 7 | 4.3 | 192.1 | 11.0 | 90.9 | 983.1 |
| 02/16/2022 | 23:00:00 - 23:15:00 | 7 | 9 | 17 | 18 | 6 | 3.8 | 192.7 | 11.8 | 90.4 | 983.2 |
| 02/16/2022 | 23:15:00 - 23:30:00 | 7 | 8 | 17 | 18 | 6 | 4.8 | 185.4 | 11.8 | 89.3 | 983.1 |
| 02/16/2022 | 23:30:00 - 23:45:00 | 7 | 8 | 16 | 17 | 6 | 3.6 | 180.7 | 11.4 | 89.6 | 983.2 |
| 02/17/2022 | 23:45:00 - 00:00:00 | 7 | 8 | 17 | 18 | 6 | 4.9 | 201.9 | 11.3 | 90.8 | 983.1 |
| 02/17/2022 | 00:00:00 - 00:15:00 | 7 | 8 | 17 | 18 | 6 | 4.7 | 202.5 | 11.1 | 92.4 | 983.1 |
| 02/17/2022 | 00:15:00 - 00:30:00 | 7 | 9 | 17 | 18 | 6 | 5.5 | 199.3 | 10.9 | 93.5 | 983.1 |
| 02/17/2022 | 00:30:00 - 00:45:00 | 7 | 9 | 17 | 18 | 6 | 4.6 | 196.9 | 10.9 | 93.6 | 982.8 |
| 02/17/2022 | 00:45:00 - 01:00:00 | 7 | 9 | 17 | 19 | 7 | 4.9 | 195.6 | 11.0 | 93.6 | 982.9 |
| 02/17/2022 | 01:00:00 - 01:15:00 | 7 | 9 | 18 | 19 | 7 | 4.9 | 201.9 | 10.9 | 94.5 | 982.7 |
| 02/17/2022 | 01:15:00 - 01:30:00 | 8 | 9 | 18 | 19 | 7 | 5.1 | 196.4 | 10.8 | 95.0 | 982.7 |
| 02/17/2022 | 01:30:00 - 01:45:00 | 8 | 9 | 19 | 20 | 7 | 4.9 | 192.4 | 10.9 | 95.0 | 982.7 |
| 02/17/2022 | 01:45:00 - 02:00:00 | 9 | 10 | 20 | 23 | 8 | 4.6 | 211.6 | 10.6 | 95.9 | 982.9 |
| 02/17/2022 | 02:00:00 - 02:15:00 | 9 | 11 | 21 | 23 | 8 | 4.6 | 214.0 | 10.2 | 97.5 | 983.2 |
| 02/17/2022 | 02:15:00 - 02:30:00 | 10 | 11 | 22 | 25 | 9 | 4.0 | 214.7 | 10.2 | 98.8 | 983.0 |
| 02/17/2022 | 02:30:00 - 02:45:00 | 9 | 11 | 22 | 25 | 9 | 3.2 | 236.9 | 10.3 | 99.0 | 983.0 |
| 02/17/2022 | 02:45:00 - 03:00:00 | 9 | 11 | 21 | 24 | 8 | 3.6 | 256.0 | 10.1 | 99.2 | 982.9 |
| 02/17/2022 | 03:00:00 - 03:15:00 | 7 | 9 | 18 | 18 | 6 | 4.3 | 306.4 | 9.1 | 98.1 | 983.2 |
| 02/17/2022 | 03:15:00 - 03:30:00 | 4 | 5 | 11 | 10 | 3 | 2.3 | 356.3 | 6.4 | 98.4 | 983.5 |
| 02/17/2022 | 03:30:00 - 03:45:00 | 15 | 8 | 37 | 11 | 6 | 1.9 | 99.0 | 6.0 | 99.5 | 983.3 |
| 02/17/2022 | 03:45:00 - 04:00:00 | Offline | 7 | Offline | 13 | 4 | Offline | Offline | Offline | Offline | Offline |
| 02/17/2022 | 04:00:00 - 04:15:00 | Offline | 13 | Offline | 27 | 10 | Offline | Offline | Offline | Offline | Offline |
| 02/17/2022 | 04:15:00 - 04:30:00 | Offline | 19 | Offline | 41 | 15 | Offline | Offline | Offline | Offline | Offline |
| 02/17/2022 | 04:30:00 - 04:45:00 | Offline | 22 | Offline | 47 | 17 | Offline | Offline | Offline | Offline | Offline |
| 02/17/2022 | 04:45:00 - 05:00:00 | Offline | 20 | Offline | 44 | 16 | Offline | Offline | Offline | Offline | Offline |
| 02/17/2022 | 05:00:00 - 05:15:00 | Offline | 26 | Offline | 58 | 21 | Offline | Offline | Offline | Offline | Offline |
| 02/17/2022 | 05:15:00 - 05:30:00 | Offline | 35 | Offline | 77 | 28 | Offline | Offline | Offline | Offline | Offline |
| 02/17/2022 | 05:30:00 - 05:45:00 | Offline | 37 | Offline | 82 | 30 | Offline | Offline | Offline | Offline | Offline |
| 02/17/2022 | 05:45:00 - 06:00:00 | Offline | 39 | Offline | 89 | 33 | Offline | Offline | Offline | Offline | Offline |
| 02/17/2022 | 06:00:00 - 06:15:00 | Offline | 44 | Offline | 100 | 37 | Offline | Offline | Offline | Offline | Offline |
| 02/17/2022 | 06:15:00 - 06:30:00 | Offline | 45 | Offline | 103 | 38 | Offline | Offline | Offline | Offline | Offline |
| 02/17/2022 | 06:30:00 - 06:45:00 | Offline | 45 | Offline | 102 | 37 | Offline | Offline | Offline | Offline | Offline |
| 02/17/2022 | 06:45:00 - 07:00:00 | Offline | 44 | Offline | 99 | 37 | Offline | Offline | Offline | Offline | Offline |
| 02/17/2022 | 07:00:00 - 07:15:00 | Offline | 39 | Offline | 86 | 32 | Offline | Offline | Offline | Offline | Offline |
| 02/17/2022 | 07:15:00 - 07:30:00 | Offline | 39 | Offline | 87 | 32 | Offline | Offline | Offline | Offline | Offline |
| 02/17/2022 | 07:30:00 - 07:45:00 | Offline | 39 | Offline | 84 | 31 | Offline | Offline | Offline | Offline | Offline |
| 02/17/2022 | 07:45:00 - 08:00:00 | Offline | 40 | Offline | 85 | 33 | Offline | Offline | Offline | Offline | Offline |
| 02/17/2022 | 08:00:00 - 08:15:00 | Offline | 35 | Offline | 77 | 30 | Offline | Offline | Offline | Offline | Offline |
| 02/17/2022 | 08:15:00 - 08:30:00 | Offline | 41 | Offline | 91 | 35 | Offline | Offline | Offline | Offline | Offline |
| 02/17/2022 | 08:30:00 - 08:45:00 | Offline | 30 | Offline | 65 | 24 | Offline | Offline | Offline | Offline | Offline |
| 02/17/2022 | 08:45:00 - 09:00:00 | Offline | 21 | Offline | 46 | 17 | Offline | Offline | Offline | Offline | Offline |
| 02/17/2022 | 09:00:00 - 09:15:00 | 76 | 20 | Offline | 44 | 16 | 1.4 | 341.1 | 0.6 | 98.0 | 985.0 |
| 02/17/2022 | 09:15:00 - 09:30:00 | 42 | 19 | Offline | 41 | 16 | 5.0 | 37.0 | 0.4 | 97.1 | 984.9 |
| 02/17/2022 | 09:30:00 - 09:45:00 | 24 | 18 | 43 | 38 | 14 | 6.4 | 42.3 | 0.0 | 97.0 | 984.3 |
| 02/17/2022 | 09:45:00 - 10:00:00 | 19 | 18 | 41 | 39 | 14 | 6.1 | 38.8 | -0.2 | 97.4 | 984.0 |
| 02/17/2022 | 10:00:00 - 10:15:00 | 17 | 18 | 39 | 39 | 14 | 4.8 | 35.9 | -0.2 | 98.0 | 984.0 |
| 02/17/2022 | 10:15:00 - 10:30:00 | 14 | 16 | 35 | 37 | 13 | 5.3 | 40.0 | -0.3 | 98.0 | 984.3 |
| 02/17/2022 | 10:30:00 - 10:45:00 | 14 | 16 | 33 | 35 | 12 | 5.1 | 41.1 | -0.3 | 98.6 | 984.4 |
| 02/17/2022 | 10:45:00 - 11:00:00 | 12 | 15 | 31 | 32 | 11 | 4.5 | 41.3 | -0.4 | 99.0 | 984.1 |
| 02/17/2022 | 11:00:00 - 11:15:00 | 11 | 13 | 27 | 28 | 10 | 4.7 | 48.7 | -0.4 | 99.2 | 984.0 |
| 02/17/2022 | 11:15:00 - 11:30:00 | 9 | 12 | 24 | 25 | 9 | 4.8 | 50.1 | -0.4 | 99.9 | 984.0 |
| 02/17/2022 | 11:30:00 - 11:45:00 | 7 | 10 | 21 | 21 | 7 | 4.8 | 44.2 | -0.4 | 100.0 | 984.1 |
| 02/17/2022 | 11:45:00 - 12:00:00 | 8 | 11 | 22 | 22 | 8 | 5.1 | 23.6 | -0.4 | 100.0 | 984.5 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 02/17/2022 | 12:00:00 - 12:15:00 | 7 | 9 | 19 | 19 | 7 | 6.0 | 18.2 | -0.5 | 99.8 | 983.9 |
| 02/17/2022 | 12:15:00 - 12:30:00 | 7 | 10 | 21 | 20 | 7 | 4.6 | 9.7 | -0.7 | 99.5 | 982.7 |
| 02/17/2022 | 12:30:00 - 12:45:00 | 7 | 10 | 21 | 20 | 7 | 4.7 | 23.7 | -0.9 | 99.0 | 983.3 |
| 02/17/2022 | 12:45:00 - 13:00:00 | 6 | 8 | 18 | 17 | 6 | 5.5 | 16.1 | -1.2 | 98.2 | 983.1 |
| 02/17/2022 | 13:00:00 - 13:15:00 | 5 | 7 | 16 | 15 | 5 | 6.7 | 20.6 | -1.4 | 98.0 | 982.8 |
| 02/17/2022 | 13:15:00 - 13:30:00 | 5 | 8 | 17 | 15 | 5 | 7.6 | 17.8 | -1.8 | 98.2 | 982.8 |
| 02/17/2022 | 13:30:00 - 13:45:00 | 4 | 7 | 15 | 13 | 5 | 6.2 | 23.0 | -2.1 | 99.0 | 983.5 |
| 02/17/2022 | 13:45:00 - 14:00:00 | 4 | 7 | 14 | 12 | 4 | 38.0 | 325.3 | -2.3 | 99.6 | 983.4 |
| 02/17/2022 | 14:00:00 - 14:15:00 | 6 | 7 | 18 | 13 | 5 | 44.8 | 322.2 | -2.5 | 100.0 | 982.7 |
| 02/17/2022 | 14:15:00 - 14:30:00 | 3 | 6 | 13 | 12 | 4 | 5.4 | 28.6 | -2.6 | 100.0 | 981.8 |
| 02/17/2022 | 14:30:00 - 14:45:00 | 4 | 7 | 13 | 13 | 4 | 6.0 | 27.8 | -2.9 | 100.0 | 981.4 |
| 02/17/2022 | 14:45:00 - 15:00:00 | 4 | 7 | 14 | 13 | 5 | 7.6 | 29.3 | -3.0 | 100.0 | 980.3 |
| 02/17/2022 | 15:00:00 - 15:15:00 | 4 | 7 | 15 | 14 | 5 | 6.8 | 30.3 | -2.9 | 100.0 | 980.4 |
| 02/17/2022 | 15:15:00 - 15:30:00 | 4 | 8 | 15 | 14 | 5 | 34.4 | 127.6 | -3.3 | 99.3 | 980.4 |
| 02/17/2022 | 15:30:00 - 15:45:00 | 4 | 8 | 15 | 14 | 5 | 44.9 | 132.5 | -3.6 | 99.0 | 980.6 |
| 02/17/2022 | 15:45:00 - 16:00:00 | 5 | 8 | 16 | 15 | 6 | 45.6 | 132.3 | -3.8 | 99.0 | 981.1 |
| 02/17/2022 | 16:00:00 - 16:15:00 | 5 | 8 | 15 | 15 | 5 | 42.2 | 132.5 | -4.0 | 99.0 | 981.8 |
| 02/17/2022 | 16:15:00 - 16:30:00 | 5 | 9 | 17 | 16 | 6 | 4.8 | 6.3 | -4.0 | 99.0 | 982.7 |
| 02/17/2022 | 16:30:00 - 16:45:00 | 5 | 9 | 17 | 15 | 6 | 5.7 | 357.0 | -4.2 | 99.0 | 983.3 |
| 02/17/2022 | 16:45:00 - 17:00:00 | 5 | 8 | 17 | 15 | 6 | 4.2 | 100.0 | -4.4 | 99.0 | 984.3 |
| 02/17/2022 | 17:00:00 - 17:15:00 | 5 | 8 | 15 | 14 | 6 | 37.6 | 133.4 | -4.7 | 99.0 | 984.6 |
| 02/17/2022 | 17:15:00 - 17:30:00 | 5 | 8 | 15 | 14 | 5 | 48.1 | 319.1 | -4.9 | 98.9 | 985.0 |
| 02/17/2022 | 17:30:00 - 17:45:00 | 4 | 8 | 15 | 14 | 5 | 49.1 | 319.7 | -5.1 | 98.4 | 985.3 |
| 02/17/2022 | 17:45:00 - 18:00:00 | 4 | 8 | 15 | 14 | 5 | 50.3 | 319.0 | -5.3 | 98.3 | 986.0 |
| 02/17/2022 | 18:00:00 - 18:15:00 | 5 | 9 | 16 | 15 | 6 | 49.3 | 319.2 | -5.3 | 98.6 | 986.3 |
| 02/17/2022 | 18:15:00 - 18:30:00 | 6 | 10 | 19 | 18 | 7 | 49.2 | 319.3 | -5.4 | 98.0 | 986.6 |
| 02/17/2022 | 18:30:00 - 18:45:00 | 7 | 11 | 21 | 20 | 8 | 49.7 | 318.8 | -5.6 | 98.0 | 987.0 |
| 02/17/2022 | 18:45:00 - 19:00:00 | 7 | 10 | 20 | 19 | 7 | 50.0 | 318.1 | -6.0 | 98.0 | 987.2 |
| 02/17/2022 | 19:00:00 - 19:15:00 | 6 | 10 | 19 | 18 | 7 | 49.1 | 318.8 | -6.2 | 98.0 | 987.6 |
| 02/17/2022 | 19:15:00 - 19:30:00 | 6 | 10 | 18 | 17 | 7 | 50.0 | 318.7 | -6.4 | 98.0 | 987.9 |
| 02/17/2022 | 19:30:00 - 19:45:00 | 6 | 10 | 18 | 17 | 7 | 49.9 | 319.0 | -6.5 | 97.8 | 988.2 |
| 02/17/2022 | 19:45:00 - 20:00:00 | 6 | 10 | 19 | 18 | 7 | 49.3 | 319.1 | -6.7 | 97.7 | 988.4 |
| 02/17/2022 | 20:00:00 - 20:15:00 | 6 | 10 | 19 | 18 | 7 | 49.9 | 319.3 | -6.8 | 97.0 | 988.9 |
| 02/17/2022 | 20:15:00 - 20:30:00 | 6 | 10 | 19 | 18 | 7 | 49.3 | 318.4 | -7.0 | 97.1 | 989.2 |
| 02/17/2022 | 20:30:00 - 20:45:00 | 7 | 11 | 20 | 19 | 7 | 49.4 | 317.8 | -7.2 | 97.0 | 989.4 |
| 02/17/2022 | 20:45:00 - 21:00:00 | 7 | 11 | 21 | 19 | 8 | 50.2 | 318.0 | -7.6 | 97.0 | 989.9 |
| 02/17/2022 | 21:00:00 - 21:15:00 | 7 | 11 | 20 | 19 | 8 | 49.4 | 318.3 | -7.8 | 97.0 | 990.1 |
| 02/17/2022 | 21:15:00 - 21:30:00 | 6 | 10 | 19 | 18 | 7 | 49.4 | 317.8 | -8.0 | 96.5 | 990.6 |
| 02/17/2022 | 21:30:00 - 21:45:00 | 6 | 10 | 19 | 17 | 7 | 49.4 | 318.1 | -8.2 | 96.0 | 991.0 |
| 02/17/2022 | 21:45:00 - 22:00:00 | 6 | 9 | 18 | 16 | 6 | 49.3 | 317.1 | -8.4 | 96.0 | 991.2 |
| 02/17/2022 | 22:00:00 - 22:15:00 | 6 | 9 | 18 | 16 | 6 | 46.5 | 316.9 | -8.5 | 96.0 | 991.5 |
| 02/17/2022 | 22:15:00 - 22:30:00 | 6 | 10 | 18 | 16 | 6 | 4.9 | 309.9 | -8.7 | 95.5 | 992.1 |
| 02/17/2022 | 22:30:00 - 22:45:00 | 6 | 10 | 18 | 16 | 6 | 4.5 | 316.1 | -8.9 | 95.0 | 992.4 |
| 02/17/2022 | 22:45:00 - 23:00:00 | 5 | 9 | 17 | 14 | 6 | 4.6 | 311.0 | -9.1 | 94.3 | 992.6 |
| 02/17/2022 | 23:00:00 - 23:15:00 | 4 | 8 | 15 | 13 | 5 | 4.7 | 312.2 | -9.3 | 93.2 | 992.9 |
| 02/17/2022 | 23:15:00 - 23:30:00 | 4 | 7 | 15 | 12 | 5 | 4.6 | 322.7 | -9.5 | 92.4 | 993.2 |
| 02/17/2022 | 23:30:00 - 23:45:00 | 4 | 8 | 15 | 13 | 5 | 3.5 | 316.5 | -9.7 | 92.0 | 993.5 |
| 02/18/2022 | 23:45:00 - 00:00:00 | 4 | 8 | 15 | 12 | 5 | 4.0 | 305.1 | -9.9 | 91.2 | 993.7 |
| 02/18/2022 | 00:00:00 - 00:15:00 | 4 | 8 | 15 | 13 | 5 | 3.7 | 306.1 | -10.1 | 90.9 | 993.9 |
| 02/18/2022 | 00:15:00 - 00:30:00 | 5 | 9 | 16 | 13 | 5 | 3.1 | 306.5 | -10.4 | 91.0 | 994.2 |
| 02/18/2022 | 00:30:00 - 00:45:00 | 5 | 9 | 16 | 13 | 5 | 2.9 | 308.2 | -10.6 | 91.0 | 994.5 |
| 02/18/2022 | 00:45:00 - 01:00:00 | 5 | 9 | 16 | 13 | 5 | 3.6 | 312.7 | -10.7 | 90.4 | 994.9 |
| 02/18/2022 | 01:00:00 - 01:15:00 | 5 | 8 | 15 | 13 | 5 | 3.5 | 306.3 | -10.9 | 90.0 | 995.2 |
| 02/18/2022 | 01:15:00 - 01:30:00 | 5 | 8 | 15 | 13 | 5 | 3.2 | 306.1 | -11.2 | 89.7 | 995.4 |
| 02/18/2022 | 01:30:00 - 01:45:00 | 5 | 9 | 15 | 13 | 5 | 4.1 | 301.6 | -11.4 | 88.9 | 995.8 |
| 02/18/2022 | 01:45:00 - 02:00:00 | 4 | 8 | 15 | 12 | 5 | 3.4 | 310.4 | -11.6 | 89.0 | 995.9 |
| 02/18/2022 | 02:00:00 - 02:15:00 | 4 | 8 | 15 | 12 | 5 | 3.3 | 307.7 | -11.8 | 89.0 | 996.0 |
| 02/18/2022 | 02:15:00 - 02:30:00 | 4 | 8 | 15 | 12 | 5 | 3.1 | 309.3 | -12.0 | 89.0 | 996.1 |
| 02/18/2022 | 02:30:00 - 02:45:00 | 4 | 8 | 15 | 12 | 5 | 2.8 | 307.1 | -12.2 | 89.0 | 996.2 |
| 02/18/2022 | 02:45:00 - 03:00:00 | 5 | 9 | 15 | 12 | 5 | 2.7 | 303.9 | -12.5 | 89.0 | 996.4 |
| 02/18/2022 | 03:00:00 - 03:15:00 | 4 | 9 | 15 | 12 | 5 | 2.6 | 304.9 | -12.7 | 89.0 | 996.7 |
| 02/18/2022 | 03:15:00 - 03:30:00 | 5 | 9 | 15 | 12 | 5 | 2.3 | 295.2 | -12.9 | 89.0 | 996.7 |
| 02/18/2022 | 03:30:00 - 03:45:00 | 5 | 10 | 15 | 12 | 5 | 2.5 | 296.8 | -13.2 | 89.1 | 996.8 |
| 02/18/2022 | 03:45:00 - 04:00:00 | 5 | 10 | 15 | 13 | 5 | 2.6 | 300.1 | -13.3 | 89.2 | 996.9 |
| 02/18/2022 | 04:00:00 - 04:15:00 | 5 | 10 | 15 | 13 | 5 | 2.6 | 296.6 | -13.4 | 89.0 | 997.2 |
| 02/18/2022 | 04:15:00 - 04:30:00 | 5 | 9 | 15 | 12 | 5 | 2.3 | 297.6 | -13.5 | 89.2 | 997.3 |
| 02/18/2022 | 04:30:00 - 04:45:00 | 5 | 9 | 16 | 13 | 5 | 2.5 | 292.0 | -13.6 | 89.8 | 997.5 |
| 02/18/2022 | 04:45:00 - 05:00:00 | 5 | 9 | 16 | 13 | 5 | 2.7 | 291.5 | -13.6 | 89.6 | 997.6 |
| 02/18/2022 | 05:00:00 - 05:15:00 | 5 | 9 | 16 | 14 | 5 | 1.4 | 294.6 | -13.7 | 90.0 | 997.7 |
| 02/18/2022 | 05:15:00 - 05:30:00 | 5 | 10 | 16 | 14 | 6 | 1.8 | 294.7 | -13.8 | 90.1 | 997.8 |
| 02/18/2022 | 05:30:00 - 05:45:00 | 5 | 9 | 16 | 14 | 5 | 1.7 | 300.5 | -13.8 | 90.2 | 997.9 |
| 02/18/2022 | 05:45:00 - 06:00:00 | 5 | 9 | 17 | 14 | 6 | 2.1 | 285.6 | -13.9 | 90.9 | 998.1 |
| 02/18/2022 | 06:00:00 - 06:15:00 | 6 | 9 | 17 | 15 | 6 | 1.5 | 291.2 | -13.9 | 91.0 | 998.1 |
| 02/18/2022 | 06:15:00 - 06:30:00 | 6 | 9 | 17 | 14 | 6 | 1.8 | 294.5 | -13.9 | 91.0 | 998.2 |
| 02/18/2022 | 06:30:00 - 06:45:00 | 6 | 10 | 17 | 15 | 6 | 2.3 | 290.5 | -13.8 | 90.9 | 998.4 |
| 02/18/2022 | 06:45:00 - 07:00:00 | 6 | 9 | 17 | 18 | 6 | 2.6 | 291.5 | -13.7 | 90.3 | 998.5 |
| 02/18/2022 | 07:00:00 - 07:15:00 | 6 | 9 | 18 | 15 | 9 | 2.2 | 289.8 | -13.5 | 90.0 | 998.5 |
| 02/18/2022 | 07:15:00 - 07:30:00 | 6 | 10 | 18 | 17 | 7 | 2.1 | 291.6 | -12.9 | 89.8 | 998.5 |
| 02/18/2022 | 07:30:00 - 07:45:00 | 6 | 9 | 20 | 18 | 6 | 1.2 | 264.9 | -12.2 | 89.3 | 998.5 |
| 02/18/2022 | 07:45:00 - 08:00:00 | 7 | 9 | 20 | 18 | 6 | 1.4 | 259.8 | -11.5 | 88.5 | 998.6 |
| 02/18/2022 | 08:00:00 - 08:15:00 | 7 | 9 | 21 | 18 | 6 | 1.6 | 243.0 | -11.0 | 88.0 | 998.7 |
| 02/18/2022 | 08:15:00 - 08:30:00 | 6 | 9 | 18 | 15 | 6 | 2.8 | 275.5 | -10.8 | 86.9 | 998.7 |
| 02/18/2022 | 08:30:00 - 08:45:00 | 7 | 8 | 19 | 13 | 6 | 2.2 | 262.0 | -10.4 | 86.2 | 998.4 |
| 02/18/2022 | 08:45:00 - 09:00:00 | 6 | 8 | 19 | 13 | 5 | 2.2 | 246.4 | -10.2 | 85.5 | 998.4 |
| 02/18/2022 | 09:00:00 - 09:15:00 | 5 | 7 | 15 | 11 | 5 | 2.8 | 270.2 | -9.8 | 85.2 | 998.5 |
| 02/18/2022 | 09:15:00 - 09:30:00 | 5 | 7 | 16 | 12 | 5 | 2.1 | 244.2 | -9.0 | 84.7 | 998.6 |
| 02/18/2022 | 09:30:00 - 09:45:00 | 5 | 8 | 17 | 12 | 5 | 2.1 | 232.9 | -8.8 | 83.8 | 998.6 |
| 02/18/2022 | 09:45:00 - 10:00:00 | 6 | 8 | 18 | 12 | 5 | 2.2 | 208.8 | -8.2 | 84.2 | 998.5 |
| 02/18/2022 | 10:00:00 - 10:15:00 | 6 | 9 | 20 | 14 | 6 | 3.0 | 212.0 | -7.8 | 82.6 | 998.2 |
| 02/18/2022 | 10:15:00 - 10:30:00 | 7 | 9 | 21 | 16 | 7 | 3.2 | 204.6 | -7.8 | 82.3 | 998.2 |
| 02/18/2022 | 10:30:00 - 10:45:00 | 6 | 9 | 20 | 15 | 6 | 3.9 | 218.6 | -7.5 | 81.2 | 998.2 |
| 02/18/2022 | 10:45:00 - 11:00:00 | 6 | 9 | 19 | 15 | 6 | 3.6 | 214.3 | -7.4 | 81.2 | 997.9 |
| 02/18/2022 | 11:00:00 - 11:15:00 | 6 | 8 | 18 | 15 | 6 | 3.8 | 232.7 | -6.9 | 80.7 | 997.8 |
| 02/18/2022 | 11:15:00 - 11:30:00 | 5 | 8 | 18 | 14 | 5 | 4.1 | 208.8 | -6.4 | 78.7 | 997.6 |
| 02/18/2022 | 11:30:00 - 11:45:00 | 6 | 8 | 18 | 14 | 6 | 4.4 | 190.7 | -6.0 | 77.2 | 997.2 |
| 02/18/2022 | 11:45:00 - 12:00:00 | 6 | 8 | 19 | 15 | 6 | 4.4 | 203.7 | -5.6 | 75.7 | 996.9 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 02/18/2022 | 12:00:00 - 12:15:00 | 6 | 8 | 18 | 15 | 6 | 4.9 | 202.0 | -5.1 | 74.7 | 996.5 |
| 02/18/2022 | 12:15:00 - 12:30:00 | 6 | 8 | 17 | 14 | 6 | 4.7 | 190.0 | -4.7 | 74.1 | 996.0 |
| 02/18/2022 | 12:30:00 - 12:45:00 | 5 | 7 | 15 | 14 | 5 | 4.9 | 188.7 | -4.5 | 72.0 | 995.5 |
| 02/18/2022 | 12:45:00 - 13:00:00 | 6 | 8 | 16 | 15 | 6 | 5.4 | 194.4 | -4.0 | 71.0 | 995.0 |
| 02/18/2022 | 13:00:00 - 13:15:00 | 5 | 7 | 15 | 14 | 5 | 5.3 | 193.7 | -3.8 | 69.7 | 994.8 |
| 02/18/2022 | 13:15:00 - 13:30:00 | 5 | 7 | 15 | 15 | 5 | 6.0 | 195.8 | -3.4 | 70.0 | 994.7 |
| 02/18/2022 | 13:30:00 - 13:45:00 | 5 | 8 | 15 | 14 | 5 | 5.1 | 194.8 | -2.8 | 68.5 | 994.5 |
| 02/18/2022 | 13:45:00 - 14:00:00 | 5 | 7 | 15 | 13 | 5 | 4.5 | 187.3 | -2.3 | 66.0 | 994.3 |
| 02/18/2022 | 14:00:00 - 14:15:00 | 5 | 7 | 14 | 14 | 5 | 6.0 | 196.1 | -2.2 | 64.5 | 994.1 |
| 02/18/2022 | 14:15:00 - 14:30:00 | 5 | 7 | 14 | 14 | 5 | 5.1 | 194.6 | -2.1 | 66.5 | 994.0 |
| 02/18/2022 | 14:30:00 - 14:45:00 | 6 | 8 | 16 | 16 | 17 | 4.8 | 189.6 | -1.9 | 66.4 | 994.1 |
| 02/18/2022 | 14:45:00 - 15:00:00 | 5 | 7 | 15 | 15 | 16 | 5.5 | 196.0 | -1.7 | 65.3 | 994.0 |
| 02/18/2022 | 15:00:00 - 15:15:00 | 5 | 7 | 13 | 13 | 5 | 5.8 | 193.0 | -1.6 | 64.3 | 993.7 |
| 02/18/2022 | 15:15:00 - 15:30:00 | 4 | 6 | 13 | 13 | 4 | 4.9 | 189.1 | -1.3 | 64.1 | 993.3 |
| 02/18/2022 | 15:30:00 - 15:45:00 | 4 | 6 | 13 | 12 | 4 | 5.4 | 188.6 | -1.3 | 63.9 | 993.1 |
| 02/18/2022 | 15:45:00 - 16:00:00 | 4 | 6 | 13 | 11 | 4 | 6.1 | 193.8 | -1.5 | 66.4 | 992.7 |
| 02/18/2022 | 16:00:00 - 16:15:00 | 4 | 7 | 14 | 13 | 5 | 5.1 | 197.1 | -1.5 | 67.8 | 992.2 |
| 02/18/2022 | 16:15:00 - 16:30:00 | 4 | 7 | 15 | 13 | 5 | 5.0 | 188.9 | -1.5 | 70.8 | 991.9 |
| 02/18/2022 | 16:30:00 - 16:45:00 | 4 | 7 | 15 | 13 | 5 | 3.7 | 182.6 | -1.4 | 72.0 | 991.6 |
| 02/18/2022 | 16:45:00 - 17:00:00 | 4 | 7 | 14 | 13 | 5 | 4.7 | 190.1 | -1.5 | 72.8 | 991.5 |
| 02/18/2022 | 17:00:00 - 17:15:00 | 4 | 7 | 14 | 13 | 5 | 4.4 | 184.9 | -1.6 | 73.2 | 991.2 |
| 02/18/2022 | 17:15:00 - 17:30:00 | 5 | 7 | 15 | 15 | 5 | 4.4 | 188.4 | -1.9 | 75.4 | 991.1 |
| 02/18/2022 | 17:30:00 - 17:45:00 | 5 | 8 | 16 | 17 | 6 | 5.9 | 190.1 | -2.0 | 75.4 | 990.8 |
| 02/18/2022 | 17:45:00 - 18:00:00 | 5 | 8 | 16 | 16 | 6 | 4.9 | 186.3 | -1.9 | 75.9 | 990.7 |
| 02/18/2022 | 18:00:00 - 18:15:00 | 5 | 8 | 17 | 17 | 6 | 6.0 | 195.1 | -1.8 | 76.0 | 990.6 |
| 02/18/2022 | 18:15:00 - 18:30:00 | 4 | 7 | 15 | 15 | 6 | 6.1 | 188.0 | -1.7 | 76.0 | 990.5 |
| 02/18/2022 | 18:30:00 - 18:45:00 | 4 | 7 | 13 | 12 | 5 | 7.3 | 191.2 | -1.6 | 76.0 | 990.2 |
| 02/18/2022 | 18:45:00 - 19:00:00 | 4 | 7 | 13 | 13 | 5 | 8.4 | 200.7 | -1.5 | 76.0 | 989.9 |
| 02/18/2022 | 19:00:00 - 19:15:00 | 4 | 8 | 15 | 15 | 5 | 6.6 | 196.3 | -1.4 | 76.7 | 989.8 |
| 02/18/2022 | 19:15:00 - 19:30:00 | 4 | 8 | 15 | 14 | 5 | 5.2 | 198.7 | -1.4 | 77.0 | 990.1 |
| 02/18/2022 | 19:30:00 - 19:45:00 | 5 | 8 | 16 | 13 | 5 | 5.5 | 199.8 | -1.3 | 76.7 | 990.1 |
| 02/18/2022 | 19:45:00 - 20:00:00 | 3 | 6 | 13 | 11 | 4 | 6.3 | 207.1 | -1.0 | 75.2 | 990.2 |
| 02/18/2022 | 20:00:00 - 20:15:00 | 4 | 7 | 14 | 11 | 4 | 7.3 | 204.2 | -0.9 | 75.1 | 990.1 |
| 02/18/2022 | 20:15:00 - 20:30:00 | 3 | 6 | 12 | 11 | 4 | 7.4 | 207.4 | -1.0 | 76.0 | 990.0 |
| 02/18/2022 | 20:30:00 - 20:45:00 | 4 | 7 | 14 | 11 | 4 | 6.2 | 204.7 | -1.0 | 76.5 | 989.8 |
| 02/18/2022 | 20:45:00 - 21:00:00 | 3 | 6 | 12 | 11 | 4 | 7.2 | 207.4 | -1.1 | 77.0 | 989.6 |
| 02/18/2022 | 21:00:00 - 21:15:00 | 4 | 7 | 13 | 12 | 5 | 6.8 | 197.7 | -0.9 | 77.6 | 989.0 |
| 02/18/2022 | 21:15:00 - 21:30:00 | 3 | 6 | 12 | 11 | 4 | 6.9 | 207.8 | -0.7 | 76.0 | 989.2 |
| 02/18/2022 | 21:30:00 - 21:45:00 | 3 | 6 | 12 | 10 | 4 | 5.9 | 207.1 | -0.7 | 76.0 | 989.8 |
| 02/18/2022 | 21:45:00 - 22:00:00 | 3 | 6 | 11 | 9 | 3 | 5.5 | 216.7 | -0.4 | 75.0 | 989.7 |
| 02/18/2022 | 22:00:00 - 22:15:00 | 3 | 6 | 11 | 9 | 3 | 4.4 | 212.0 | -0.4 | 75.1 | 989.7 |
| 02/18/2022 | 22:15:00 - 22:30:00 | 3 | 5 | 11 | 9 | 3 | 4.3 | 210.1 | -0.3 | 75.0 | 989.7 |
| 02/18/2022 | 22:30:00 - 22:45:00 | 2 | 5 | 10 | 9 | 3 | 4.4 | 212.5 | -0.2 | 75.5 | 989.7 |
| 02/18/2022 | 22:45:00 - 23:00:00 | 2 | 5 | 10 | 8 | 3 | 4.7 | 250.7 | 0.0 | 75.6 | 990.2 |
| 02/18/2022 | 23:00:00 - 23:15:00 | 2 | 5 | 10 | 8 | 3 | 4.1 | 237.7 | 0.0 | 76.1 | 990.4 |
| 02/18/2022 | 23:15:00 - 23:30:00 | 3 | 6 | 11 | 9 | 3 | 5.5 | 257.7 | 0.1 | 76.4 | 990.5 |
| 02/18/2022 | 23:30:00 - 23:45:00 | 2 | 5 | 10 | 8 | 3 | 7.3 | 261.8 | 0.6 | 72.7 | 990.6 |
| 02/18/2022 | 23:45:00 - 00:00:00 | 2 | 5 | 10 | 8 | 3 | 8.0 | 263.0 | 1.0 | 68.8 | 990.8 |
| 02/19/2022 | 00:00:00 - 00:15:00 | 2 | 5 | 9 | 8 | 3 | 8.2 | 267.8 | 0.8 | 69.0 | 991.0 |
| 02/19/2022 | 00:15:00 - 00:30:00 | 2 | 5 | 10 | 8 | 3 | 7.1 | 272.7 | 0.6 | 68.6 | 991.2 |
| 02/19/2022 | 00:30:00 - 00:45:00 | 3 | 6 | 11 | 9 | 3 | 7.0 | 277.4 | 0.4 | 68.4 | 991.4 |
| 02/19/2022 | 00:45:00 - 01:00:00 | 3 | 6 | 11 | 10 | 3 | 7.2 | 278.0 | 0.1 | 70.2 | 991.5 |
| 02/19/2022 | 01:00:00 - 01:15:00 | 3 | 7 | 12 | 10 | 4 | 6.3 | 286.7 | -0.1 | 73.8 | 991.8 |
| 02/19/2022 | 01:15:00 - 01:30:00 | 4 | 7 | 14 | 13 | 4 | 6.3 | 288.8 | -0.5 | 78.8 | 992.3 |
| 02/19/2022 | 01:30:00 - 01:45:00 | 5 | 8 | 15 | 14 | 5 | 7.0 | 301.5 | -0.9 | 82.5 | 992.7 |
| 02/19/2022 | 01:45:00 - 02:00:00 | 3 | 6 | 10 | 9 | 3 | 9.3 | 305.7 | -1.9 | 68.7 | 993.2 |
| 02/19/2022 | 02:00:00 - 02:15:00 | 2 | 5 | 9 | 8 | 3 | 7.2 | 299.0 | -3.1 | 63.0 | 993.5 |
| 02/19/2022 | 02:15:00 - 02:30:00 | 2 | 5 | 9 | 8 | 3 | 7.7 | 308.2 | -4.0 | 59.2 | 993.8 |
| 02/19/2022 | 02:30:00 - 02:45:00 | 2 | 5 | 10 | 8 | 3 | 7.5 | 313.3 | -5.0 | 57.7 | 994.3 |
| 02/19/2022 | 02:45:00 - 03:00:00 | 2 | 5 | 10 | 8 | 3 | 7.0 | 313.4 | -5.6 | 60.7 | 994.7 |
| 02/19/2022 | 03:00:00 - 03:15:00 | 3 | 6 | 9 | 8 | 3 | 8.0 | 302.6 | -5.8 | 60.0 | 995.2 |
| 02/19/2022 | 03:15:00 - 03:30:00 | 3 | 6 | 10 | 9 | 3 | 7.4 | 301.4 | -6.1 | 60.8 | 995.5 |
| 02/19/2022 | 03:30:00 - 03:45:00 | 3 | 6 | 11 | 10 | 4 | 6.2 | 311.0 | -6.5 | 65.3 | 995.9 |
| 02/19/2022 | 03:45:00 - 04:00:00 | 3 | 6 | 11 | 10 | 4 | 5.5 | 303.2 | -6.9 | 69.1 | 996.3 |
| 02/19/2022 | 04:00:00 - 04:15:00 | 4 | 7 | 11 | 11 | 4 | 5.4 | 302.1 | -7.2 | 71.0 | 996.7 |
| 02/19/2022 | 04:15:00 - 04:30:00 | 4 | 7 | 12 | 11 | 4 | 5.3 | 306.2 | -7.3 | 71.5 | 997.1 |
| 02/19/2022 | 04:30:00 - 04:45:00 | 4 | 7 | 12 | 11 | 4 | 5.9 | 301.2 | -7.5 | 72.0 | 997.6 |
| 02/19/2022 | 04:45:00 - 05:00:00 | 4 | 7 | 12 | 11 | 4 | 5.6 | 303.0 | -7.9 | 71.1 | 998.1 |
| 02/19/2022 | 05:00:00 - 05:15:00 | 4 | 7 | 11 | 10 | 4 | 6.1 | 304.3 | -8.4 | 69.0 | 998.5 |
| 02/19/2022 | 05:15:00 - 05:30:00 | 4 | 7 | 11 | 10 | 4 | 6.3 | 307.1 | -8.9 | 67.7 | 999.1 |
| 02/19/2022 | 05:30:00 - 05:45:00 | 3 | 7 | 12 | 10 | 4 | 6.2 | 306.6 | -9.2 | 69.0 | 999.5 |
| 02/19/2022 | 05:45:00 - 06:00:00 | 3 | 7 | 12 | 10 | 4 | 6.5 | 304.5 | -9.4 | 69.1 | 999.8 |
| 02/19/2022 | 06:00:00 - 06:15:00 | 4 | 7 | 12 | 11 | 4 | 6.1 | 308.1 | -9.7 | 69.4 | 1000.2 |
| 02/19/2022 | 06:15:00 - 06:30:00 | 4 | 7 | 12 | 10 | 4 | 5.5 | 329.8 | -9.9 | 69.9 | 1000.7 |
| 02/19/2022 | 06:30:00 - 06:45:00 | 4 | 7 | 13 | 11 | 4 | 4.8 | 328.9 | -10.0 | 70.2 | 1001.2 |
| 02/19/2022 | 06:45:00 - 07:00:00 | 4 | 7 | 13 | 11 | 4 | 6.5 | 309.6 | -10.2 | 70.5 | 1001.5 |
| 02/19/2022 | 07:00:00 - 07:15:00 | 5 | 7 | 13 | 12 | 5 | 6.0 | 317.5 | -10.5 | 71.0 | 1002.0 |
| 02/19/2022 | 07:15:00 - 07:30:00 | 4 | 7 | 13 | 12 | 5 | 5.5 | 319.2 | -10.4 | 70.8 | 1002.3 |
| 02/19/2022 | 07:30:00 - 07:45:00 | 4 | 7 | 13 | 12 | 5 | 7.1 | 310.3 | -10.4 | 69.8 | 1002.6 |
| 02/19/2022 | 07:45:00 - 08:00:00 | 5 | 7 | 14 | 12 | 4 | 6.2 | 316.0 | -10.1 | 69.0 | 1003.0 |
| 02/19/2022 | 08:00:00 - 08:15:00 | 4 | 7 | 13 | 11 | 4 | 6.0 | 323.8 | -10.0 | 68.1 | 1003.4 |
| 02/19/2022 | 08:15:00 - 08:30:00 | 5 | 7 | 14 | 11 | 4 | 5.8 | 323.9 | -9.9 | 66.2 | 1003.5 |
| 02/19/2022 | 08:30:00 - 08:45:00 | 5 | 8 | 14 | 11 | 5 | 5.3 | 331.1 | -9.5 | 64.7 | 1003.8 |
| 02/19/2022 | 08:45:00 - 09:00:00 | 5 | 8 | 13 | 11 | 4 | 5.5 | 330.4 | -9.4 | 64.2 | 1004.0 |
| 02/19/2022 | 09:00:00 - 09:15:00 | 4 | 7 | 13 | 11 | 5 | 5.6 | 322.1 | -9.3 | 63.3 | 1004.0 |
| 02/19/2022 | 09:15:00 - 09:30:00 | 4 | 7 | 12 | 10 | 4 | 5.1 | 324.4 | -9.0 | 62.9 | 1004.2 |
| 02/19/2022 | 09:30:00 - 09:45:00 | 4 | 7 | 12 | 10 | 4 | 6.2 | 322.5 | -9.3 | 62.2 | 1004.4 |
| 02/19/2022 | 09:45:00 - 10:00:00 | 4 | 7 | 13 | 10 | 4 | 4.9 | 340.7 | -8.9 | 61.9 | 1004.5 |
| 02/19/2022 | 10:00:00 - 10:15:00 | 4 | 6 | 12 | 11 | 4 | 5.1 | 335.4 | -8.7 | 61.3 | 1004.5 |
| 02/19/2022 | 10:15:00 - 10:30:00 | 4 | 7 | 12 | 10 | 4 | 4.6 | 338.2 | -8.7 | 61.7 | 1004.7 |
| 02/19/2022 | 10:30:00 - 10:45:00 | 4 | 6 | 13 | 10 | 4 | 4.3 | 347.6 | -8.1 | 60.9 | 1004.9 |
| 02/19/2022 | 10:45:00 - 11:00:00 | 4 | 6 | 12 | 11 | 4 | 3.5 | 333.0 | -8.0 | 60.2 | 1005.2 |
| 02/19/2022 | 11:00:00 - 11:15:00 | 4 | 6 | 12 | 10 | 4 | 3.8 | 333.4 | -7.7 | 59.2 | 1005.6 |
| 02/19/2022 | 11:15:00 - 11:30:00 | 4 | 6 | 12 | 10 | 4 | 3.6 | 335.4 | -7.9 | 59.6 | 1005.6 |
| 02/19/2022 | 11:30:00 - 11:45:00 | 4 | 6 | 12 | 10 | 4 | 3.3 | 329.5 | -7.0 | 59.0 | 1005.3 |
| 02/19/2022 | 11:45:00 - 12:00:00 | 4 | 7 | 12 | 11 | 4 | 3.5 | 324.9 | -7.0 | 60.0 | 1005.3 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 02/19/2022 | 12:00:00 - 12:15:00 | 4 | 6 | 12 | 11 | 4 | 4.3 | 311.6 | -7.5 | 61.0 | 1005.2 |
| 02/19/2022 | 12:15:00 - 12:30:00 | 4 | 6 | 12 | 11 | 4 | 3.1 | 340.1 | -6.5 | 58.2 | 1005.2 |
| 02/19/2022 | 12:30:00 - 12:45:00 | 4 | 6 | 12 | 11 | 4 | 3.5 | 309.7 | -7.0 | 58.6 | 1004.9 |
| 02/19/2022 | 12:45:00 - 13:00:00 | 4 | 6 | 11 | 10 | 4 | 3.9 | 293.1 | -7.1 | 59.2 | 1004.9 |
| 02/19/2022 | 13:00:00 - 13:15:00 | 4 | 6 | 12 | 10 | 4 | 4.3 | 288.3 | -7.3 | 60.4 | 1005.0 |
| 02/19/2022 | 13:15:00 - 13:30:00 | 4 | 6 | 12 | 10 | 4 | 4.1 | 300.4 | -7.0 | 59.1 | 1004.9 |
| 02/19/2022 | 13:30:00 - 13:45:00 | 4 | 7 | 12 | 10 | 4 | 3.3 | 307.0 | -6.8 | 59.6 | 1004.8 |
| 02/19/2022 | 13:45:00 - 14:00:00 | 4 | 6 | 11 | 10 | 4 | 3.6 | 299.4 | -6.8 | 59.3 | 1004.7 |
| 02/19/2022 | 14:00:00 - 14:15:00 | 4 | 6 | 11 | 9 | 3 | 3.4 | 301.0 | -6.5 | 57.1 | 1004.7 |
| 02/19/2022 | 14:15:00 - 14:30:00 | 4 | 6 | 11 | 10 | 4 | 3.2 | 307.3 | -6.3 | 57.2 | 1004.7 |
| 02/19/2022 | 14:30:00 - 14:45:00 | 4 | 6 | 11 | 10 | 4 | 2.8 | 290.0 | -6.2 | 57.2 | 1004.5 |
| 02/19/2022 | 14:45:00 - 15:00:00 | 4 | 6 | 11 | 10 | 4 | 3.3 | 316.8 | -6.1 | 55.1 | 1004.4 |
| 02/19/2022 | 15:00:00 - 15:15:00 | 4 | 6 | 12 | 10 | 4 | 3.5 | 312.3 | -6.2 | 55.6 | 1004.5 |
| 02/19/2022 | 15:15:00 - 15:30:00 | 4 | 6 | 12 | 11 | 4 | 2.9 | 272.0 | -6.6 | 56.8 | 1004.3 |
| 02/19/2022 | 15:30:00 - 15:45:00 | 4 | 6 | 12 | 11 | 4 | 1.0 | 314.8 | -6.3 | 56.5 | 1004.1 |
| 02/19/2022 | 15:45:00 - 16:00:00 | 4 | 6 | 12 | 11 | 4 | 2.9 | 292.8 | -6.7 | 55.6 | 1004.1 |
| 02/19/2022 | 16:00:00 - 16:15:00 | 4 | 6 | 13 | 11 | 5 | 2.4 | 276.6 | -7.0 | 57.9 | 1004.1 |
| 02/19/2022 | 16:15:00 - 16:30:00 | 4 | 7 | 13 | 12 | 5 | 2.2 | 298.9 | -7.0 | 60.6 | 1003.7 |
| 02/19/2022 | 16:30:00 - 16:45:00 | 4 | 7 | 13 | 11 | 5 | 1.9 | 217.2 | -6.9 | 60.0 | 1003.5 |
| 02/19/2022 | 16:45:00 - 17:00:00 | 4 | 7 | 13 | 12 | 5 | 2.2 | 220.6 | -7.1 | 61.3 | 1003.6 |
| 02/19/2022 | 17:00:00 - 17:15:00 | 4 | 7 | 14 | 12 | 5 | 2.9 | 213.0 | -7.4 | 63.6 | 1003.4 |
| 02/19/2022 | 17:15:00 - 17:30:00 | 4 | 7 | 14 | 13 | 5 | 1.3 | 217.3 | -7.9 | 65.5 | 1003.4 |
| 02/19/2022 | 17:30:00 - 17:45:00 | 4 | 8 | 14 | 14 | 5 | 1.9 | 230.7 | -8.2 | 66.2 | 1003.3 |
| 02/19/2022 | 17:45:00 - 18:00:00 | 5 | 8 | 15 | 14 | 6 | 1.7 | 228.8 | -8.2 | 67.1 | 1003.3 |
| 02/19/2022 | 18:00:00 - 18:15:00 | 5 | 8 | 15 | 14 | 6 | 1.1 | 216.5 | -8.3 | 68.3 | 1003.2 |
| 02/19/2022 | 18:15:00 - 18:30:00 | 5 | 8 | 15 | 14 | 6 | 0.4 | 121.8 | -8.3 | 69.7 | 1003.0 |
| 02/19/2022 | 18:30:00 - 18:45:00 | 5 | 8 | 16 | 15 | 6 | 0.6 | 100.4 | -8.3 | 70.8 | 1002.9 |
| 02/19/2022 | 18:45:00 - 19:00:00 | 5 | 8 | 16 | 15 | 6 | 0.7 | 81.4 | -8.4 | 71.5 | 1002.9 |
| 02/19/2022 | 19:00:00 - 19:15:00 | 5 | 8 | 16 | 15 | 6 | 0.6 | 211.7 | -8.4 | 72.1 | 1002.8 |
| 02/19/2022 | 19:15:00 - 19:30:00 | 5 | 8 | 15 | 14 | 6 | 1.4 | 102.0 | -8.3 | 72.2 | 1002.6 |
| 02/19/2022 | 19:30:00 - 19:45:00 | 5 | 8 | 15 | 14 | 5 | 1.2 | 81.4 | -8.3 | 72.2 | 1002.3 |
| 02/19/2022 | 19:45:00 - 20:00:00 | 5 | 8 | 15 | 14 | 6 | 1.3 | 103.3 | -8.2 | 71.9 | 1002.0 |
| 02/19/2022 | 20:00:00 - 20:15:00 | 5 | 8 | 15 | 14 | 6 | 1.3 | 122.5 | -8.1 | 72.7 | 1001.5 |
| 02/19/2022 | 20:15:00 - 20:30:00 | 5 | 8 | 16 | 14 | 6 | 1.5 | 119.6 | -8.0 | 73.2 | 1001.2 |
| 02/19/2022 | 20:30:00 - 20:45:00 | 5 | 8 | 17 | 15 | 6 | 1.9 | 121.7 | -7.9 | 74.0 | 1000.9 |
| 02/19/2022 | 20:45:00 - 21:00:00 | 5 | 9 | 16 | 15 | 6 | 1.7 | 124.5 | -7.7 | 74.0 | 1000.6 |
| 02/19/2022 | 21:00:00 - 21:15:00 | 5 | 9 | 16 | 15 | 6 | 1.2 | 141.3 | -7.6 | 75.0 | 1000.6 |
| 02/19/2022 | 21:15:00 - 21:30:00 | 5 | 8 | 16 | 14 | 6 | 1.1 | 147.5 | -7.6 | 76.1 | 1000.5 |
| 02/19/2022 | 21:30:00 - 21:45:00 | 5 | 8 | 16 | 14 | 5 | 1.4 | 133.5 | -7.7 | 77.9 | 1000.3 |
| 02/19/2022 | 21:45:00 - 22:00:00 | 5 | 8 | 15 | 14 | 6 | 1.7 | 136.0 | -7.6 | 78.8 | 1000.0 |
| 02/19/2022 | 22:00:00 - 22:15:00 | 5 | 8 | 15 | 14 | 6 | 2.0 | 139.4 | -7.5 | 78.1 | 999.5 |
| 02/19/2022 | 22:15:00 - 22:30:00 | 5 | 8 | 15 | 14 | 6 | 1.1 | 172.3 | -7.3 | 78.0 | 999.5 |
| 02/19/2022 | 22:30:00 - 22:45:00 | 5 | 8 | 15 | 14 | 6 | 1.0 | 116.1 | -7.3 | 79.0 | 999.6 |
| 02/19/2022 | 22:45:00 - 23:00:00 | 5 | 8 | 15 | 14 | 6 | 2.5 | 120.6 | -7.2 | 79.0 | 999.2 |
| 02/19/2022 | 23:00:00 - 23:15:00 | 5 | 8 | 15 | 14 | 5 | 1.6 | 133.5 | -7.1 | 79.1 | 998.7 |
| 02/19/2022 | 23:15:00 - 23:30:00 | 5 | 8 | 15 | 13 | 5 | 1.8 | 141.6 | -6.9 | 79.0 | 998.2 |
| 02/19/2022 | 23:30:00 - 23:45:00 | 5 | 8 | 14 | 14 | 5 | 1.8 | 137.2 | -6.8 | 79.1 | 997.8 |
| 02/20/2022 | 23:45:00 - 00:00:00 | 5 | 8 | 15 | 13 | 5 | 1.6 | 145.2 | -6.7 | 79.3 | 997.6 |
| 02/20/2022 | 00:00:00 - 00:15:00 | 5 | 8 | 14 | 13 | 5 | 1.7 | 142.8 | -6.6 | 79.0 | 997.4 |
| 02/20/2022 | 00:15:00 - 00:30:00 | 4 | 8 | 14 | 13 | 5 | 1.5 | 151.8 | -6.4 | 79.0 | 997.2 |
| 02/20/2022 | 00:30:00 - 00:45:00 | 4 | 8 | 14 | 13 | 5 | 2.0 | 180.2 | -6.3 | 79.0 | 997.1 |
| 02/20/2022 | 00:45:00 - 01:00:00 | 4 | 7 | 14 | 12 | 5 | 1.5 | 179.5 | -6.2 | 78.9 | 996.7 |
| 02/20/2022 | 01:00:00 - 01:15:00 | 4 | 7 | 13 | 12 | 4 | 2.0 | 193.9 | -6.0 | 78.0 | 996.7 |
| 02/20/2022 | 01:15:00 - 01:30:00 | 4 | 7 | 13 | 11 | 4 | 2.0 | 197.5 | -5.8 | 78.0 | 996.4 |
| 02/20/2022 | 01:30:00 - 01:45:00 | 4 | 7 | 13 | 11 | 4 | 2.5 | 180.3 | -5.6 | 78.0 | 996.3 |
| 02/20/2022 | 01:45:00 - 02:00:00 | 4 | 7 | 13 | 11 | 4 | 2.2 | 184.6 | -5.6 | 78.9 | 995.9 |
| 02/20/2022 | 02:00:00 - 02:15:00 | 4 | 7 | 13 | 11 | 4 | 1.8 | 164.0 | -5.6 | 80.0 | 995.7 |
| 02/20/2022 | 02:15:00 - 02:30:00 | 4 | 7 | 13 | 11 | 4 | 2.2 | 192.0 | -5.5 | 80.0 | 995.2 |
| 02/20/2022 | 02:30:00 - 02:45:00 | 4 | 7 | 12 | 11 | 4 | 2.9 | 187.8 | -5.2 | 79.4 | 995.2 |
| 02/20/2022 | 02:45:00 - 03:00:00 | 3 | 6 | 12 | 10 | 4 | 2.6 | 188.1 | -5.0 | 78.0 | 994.8 |
| 02/20/2022 | 03:00:00 - 03:15:00 | 3 | 6 | 12 | 10 | 4 | 2.4 | 179.3 | -4.9 | 78.0 | 994.6 |
| 02/20/2022 | 03:15:00 - 03:30:00 | 3 | 6 | 11 | 10 | 4 | 1.9 | 196.7 | -4.8 | 77.8 | 994.3 |
| 02/20/2022 | 03:30:00 - 03:45:00 | 3 | 6 | 11 | 10 | 4 | 2.5 | 190.8 | -4.8 | 78.6 | 994.0 |
| 02/20/2022 | 03:45:00 - 04:00:00 | 3 | 6 | 11 | 9 | 3 | 2.2 | 181.2 | -4.7 | 78.5 | 994.0 |
| 02/20/2022 | 04:00:00 - 04:15:00 | 3 | 6 | 11 | 9 | 3 | 2.1 | 177.5 | -4.5 | 77.9 | 993.8 |
| 02/20/2022 | 04:15:00 - 04:30:00 | 3 | 6 | 11 | 9 | 3 | 2.5 | 190.7 | -4.4 | 78.0 | 993.7 |
| 02/20/2022 | 04:30:00 - 04:45:00 | 3 | 6 | 11 | 9 | 4 | 2.3 | 176.5 | -4.3 | 77.6 | 993.4 |
| 02/20/2022 | 04:45:00 - 05:00:00 | 3 | 6 | 11 | 9 | 4 | 2.9 | 174.6 | -4.1 | 78.0 | 993.1 |
| 02/20/2022 | 05:00:00 - 05:15:00 | 3 | 6 | 12 | 10 | 4 | 2.7 | 182.8 | -4.0 | 77.5 | 992.9 |
| 02/20/2022 | 05:15:00 - 05:30:00 | 3 | 6 | 11 | 10 | 4 | 2.7 | 180.4 | -3.9 | 77.0 | 992.8 |
| 02/20/2022 | 05:30:00 - 05:45:00 | 3 | 6 | 12 | 10 | 4 | 2.7 | 186.4 | -3.9 | 77.2 | 992.7 |
| 02/20/2022 | 05:45:00 - 06:00:00 | 3 | 6 | 12 | 10 | 4 | 2.6 | 170.4 | -3.7 | 77.0 | 992.5 |
| 02/20/2022 | 06:00:00 - 06:15:00 | 3 | 6 | 12 | 10 | 4 | 2.8 | 172.4 | -3.5 | 76.1 | 992.5 |
| 02/20/2022 | 06:15:00 - 06:30:00 | 3 | 6 | 12 | 11 | 4 | 2.3 | 168.0 | -3.4 | 76.0 | 992.4 |
| 02/20/2022 | 06:30:00 - 06:45:00 | 3 | 7 | 12 | 11 | 4 | 2.4 | 164.3 | -3.5 | 76.6 | 992.3 |
| 02/20/2022 | 06:45:00 - 07:00:00 | 3 | 7 | 12 | 12 | 4 | 2.7 | 173.2 | -3.5 | 77.1 | 992.2 |
| 02/20/2022 | 07:00:00 - 07:15:00 | 3 | 7 | 12 | 11 | 4 | 3.4 | 180.3 | -3.1 | 77.0 | 992.1 |
| 02/20/2022 | 07:15:00 - 07:30:00 | 3 | 6 | 12 | 11 | 4 | 2.4 | 170.4 | -2.6 | 75.6 | 992.2 |
| 02/20/2022 | 07:30:00 - 07:45:00 | 3 | 6 | 12 | 10 | 4 | 3.1 | 169.7 | -1.8 | 73.4 | 992.2 |
| 02/20/2022 | 07:45:00 - 08:00:00 | 3 | 6 | 12 | 10 | 4 | 3.6 | 169.3 | -1.0 | 70.9 | 992.1 |
| 02/20/2022 | 08:00:00 - 08:15:00 | 3 | 6 | 12 | 10 | 4 | 4.0 | 174.3 | -0.3 | 68.5 | 992.0 |
| 02/20/2022 | 08:15:00 - 08:30:00 | 3 | 6 | 11 | 10 | 4 | 3.8 | 175.3 | 0.4 | 67.2 | 991.9 |
| 02/20/2022 | 08:30:00 - 08:45:00 | 3 | 6 | 12 | 10 | 4 | 3.8 | 171.2 | 1.3 | 65.5 | 991.7 |
| 02/20/2022 | 08:45:00 - 09:00:00 | 3 | 6 | 12 | 10 | 4 | 4.1 | 173.1 | 1.9 | 64.4 | 991.6 |
| 02/20/2022 | 09:00:00 - 09:15:00 | 4 | 6 | 12 | 11 | 4 | 4.1 | 177.2 | 2.7 | 63.5 | 991.5 |
| 02/20/2022 | 09:15:00 - 09:30:00 | 4 | 6 | 13 | 11 | 4 | 4.1 | 185.9 | 3.4 | 62.3 | 991.2 |
| 02/20/2022 | 09:30:00 - 09:45:00 | 4 | 6 | 13 | 11 | 4 | 5.7 | 190.4 | 3.7 | 62.4 | 991.1 |
| 02/20/2022 | 09:45:00 - 10:00:00 | 4 | 6 | 13 | 12 | 4 | 6.2 | 195.2 | 4.0 | 62.5 | 990.9 |
| 02/20/2022 | 10:00:00 - 10:15:00 | 5 | 6 | 13 | 12 | 4 | 6.2 | 194.5 | 4.5 | 62.3 | 990.9 |
| 02/20/2022 | 10:15:00 - 10:30:00 | 5 | 6 | 13 | 12 | 4 | 6.3 | 192.6 | 4.9 | 62.2 | 990.8 |
| 02/20/2022 | 10:30:00 - 10:45:00 | 5 | 6 | 12 | 12 | 4 | 3.9 | 191.1 | 5.4 | 61.6 | 990.9 |
| 02/20/2022 | 10:45:00 - 11:00:00 | 4 | 6 | 12 | 12 | 4 | 5.1 | 195.0 | 5.7 | 60.8 | 990.8 |
| 02/20/2022 | 11:00:00 - 11:15:00 | 4 | 6 | 11 | 12 | 4 | 4.7 | 192.9 | 6.0 | 61.3 | 990.5 |
| 02/20/2022 | 11:15:00 - 11:30:00 | 5 | 6 | 11 | 12 | 4 | 4.2 | 195.3 | 6.5 | 60.6 | 990.5 |
| 02/20/2022 | 11:30:00 - 11:45:00 | 5 | 6 | 11 | 12 | 4 | 6.4 | 199.8 | 6.5 | 61.0 | 990.4 |
| 02/20/2022 | 11:45:00 - 12:00:00 | 4 | 6 | 11 | 12 | 4 | 6.3 | 191.9 | 6.8 | 61.0 | 990.0 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 02/20/2022 | 12:00:00 - 12:15:00 | 5 | 6 | 11 | 12 | 4 | 5.5 | 197.5 | 7.4 | 60.8 | 989.5 |
| 02/20/2022 | 12:15:00 - 12:30:00 | 5 | 6 | 10 | 11 | 4 | 6.3 | 193.7 | 7.8 | 60.6 | 989.2 |
| 02/20/2022 | 12:30:00 - 12:45:00 | 4 | 5 | 10 | 11 | 4 | 4.7 | 189.0 | 8.2 | 60.5 | 988.8 |
| 02/20/2022 | 12:45:00 - 13:00:00 | 4 | 5 | 10 | 11 | 4 | 6.0 | 197.4 | 8.5 | 60.6 | 988.5 |
| 02/20/2022 | 13:00:00 - 13:15:00 | 4 | 5 | 10 | 11 | 4 | 4.5 | 194.3 | 9.0 | 60.1 | 988.1 |
| 02/20/2022 | 13:15:00 - 13:30:00 | 4 | 5 | 9 | 10 | 3 | 4.8 | 196.4 | 9.5 | 59.6 | 987.8 |
| 02/20/2022 | 13:30:00 - 13:45:00 | 4 | 5 | 8 | 10 | 3 | 5.0 | 189.8 | 9.9 | 58.4 | 987.5 |
| 02/20/2022 | 13:45:00 - 14:00:00 | 3 | 4 | 8 | 9 | 3 | 4.7 | 190.0 | 10.2 | 57.6 | 987.2 |
| 02/20/2022 | 14:00:00 - 14:15:00 | 3 | 4 | 7 | 8 | 3 | 6.9 | 201.8 | 10.4 | 57.0 | 986.9 |
| 02/20/2022 | 14:15:00 - 14:30:00 | 3 | 4 | 7 | 8 | 2 | 6.6 | 206.1 | 10.6 | 57.0 | 986.7 |
| 02/20/2022 | 14:30:00 - 14:45:00 | 3 | 4 | 7 | 8 | 2 | 7.1 | 210.3 | 10.8 | 56.2 | 986.6 |
| 02/20/2022 | 14:45:00 - 15:00:00 | 3 | 4 | 7 | 8 | 2 | 6.1 | 201.9 | 11.0 | 56.0 | 986.6 |
| 02/20/2022 | 15:00:00 - 15:15:00 | 3 | 4 | 7 | 8 | 2 | 5.9 | 202.1 | 11.3 | 55.4 | 986.7 |
| 02/20/2022 | 15:15:00 - 15:30:00 | 3 | 4 | 7 | 8 | 2 | 5.6 | 202.0 | 11.2 | 56.3 | 986.6 |
| 02/20/2022 | 15:30:00 - 15:45:00 | 3 | 4 | 7 | 7 | 2 | 4.2 | 196.6 | 11.1 | 56.7 | 986.5 |
| 02/20/2022 | 15:45:00 - 16:00:00 | 3 | 4 | 7 | 8 | 2 | 4.6 | 202.4 | 10.9 | 57.2 | 986.5 |
| 02/20/2022 | 16:00:00 - 16:15:00 | 3 | 4 | 7 | 8 | 2 | 5.7 | 203.9 | 10.9 | 56.9 | 986.5 |
| 02/20/2022 | 16:15:00 - 16:30:00 | 3 | 4 | 8 | 8 | 2 | 6.4 | 208.0 | 10.8 | 57.2 | 986.5 |
| 02/20/2022 | 16:30:00 - 16:45:00 | 3 | 4 | 8 | 8 | 2 | 5.1 | 202.8 | 10.7 | 57.1 | 986.6 |
| 02/20/2022 | 16:45:00 - 17:00:00 | 3 | 4 | 8 | 8 | 2 | 5.1 | 205.2 | 10.7 | 57.8 | 986.7 |
| 02/20/2022 | 17:00:00 - 17:15:00 | 3 | 4 | 8 | 8 | 3 | 5.1 | 200.1 | 10.3 | 59.3 | 986.8 |
| 02/20/2022 | 17:15:00 - 17:30:00 | 3 | 4 | 8 | 8 | 3 | 3.9 | 195.6 | 9.8 | 60.6 | 987.1 |
| 02/20/2022 | 17:30:00 - 17:45:00 | 3 | 4 | 8 | 7 | 2 | 4.0 | 192.5 | 9.5 | 61.0 | 987.3 |
| 02/20/2022 | 17:45:00 - 18:00:00 | 3 | 4 | 8 | 8 | 2 | 5.2 | 196.8 | 9.4 | 60.7 | 987.4 |
| 02/20/2022 | 18:00:00 - 18:15:00 | 3 | 4 | 9 | 8 | 2 | 4.0 | 200.4 | 9.2 | 60.8 | 987.5 |
| 02/20/2022 | 18:15:00 - 18:30:00 | 3 | 4 | 9 | 8 | 2 | 3.7 | 184.8 | 9.1 | 60.7 | 987.6 |
| 02/20/2022 | 18:30:00 - 18:45:00 | 3 | 4 | 9 | 8 | 2 | 4.3 | 192.4 | 8.9 | 61.3 | 987.8 |
| 02/20/2022 | 18:45:00 - 19:00:00 | 3 | 4 | 10 | 8 | 3 | 3.0 | 162.5 | 8.4 | 63.1 | 988.0 |
| 02/20/2022 | 19:00:00 - 19:15:00 | 3 | 4 | 10 | 8 | 3 | 2.1 | 175.1 | 7.8 | 65.4 | 988.1 |
| 02/20/2022 | 19:15:00 - 19:30:00 | 3 | 4 | 10 | 8 | 3 | 2.6 | 172.6 | 7.3 | 66.9 | 988.2 |
| 02/20/2022 | 19:30:00 - 19:45:00 | 3 | 4 | 10 | 8 | 3 | 2.6 | 162.2 | 7.3 | 67.0 | 988.3 |
| 02/20/2022 | 19:45:00 - 20:00:00 | 3 | 5 | 10 | 9 | 3 | 2.7 | 166.1 | 7.3 | 66.8 | 988.4 |
| 02/20/2022 | 20:00:00 - 20:15:00 | 3 | 5 | 10 | 8 | 3 | 2.9 | 167.6 | 7.1 | 67.5 | 988.5 |
| 02/20/2022 | 20:15:00 - 20:30:00 | 3 | 5 | 10 | 9 | 3 | 2.2 | 156.9 | 6.8 | 68.5 | 988.5 |
| 02/20/2022 | 20:30:00 - 20:45:00 | 3 | 5 | 10 | 8 | 3 | 2.5 | 151.1 | 7.0 | 68.3 | 988.7 |
| 02/20/2022 | 20:45:00 - 21:00:00 | 3 | 5 | 10 | 8 | 3 | 2.6 | 147.3 | 6.8 | 68.4 | 988.8 |
| 02/20/2022 | 21:00:00 - 21:15:00 | 3 | 5 | 10 | 8 | 3 | 2.4 | 156.1 | 6.3 | 70.2 | 988.9 |
| 02/20/2022 | 21:15:00 - 21:30:00 | 3 | 5 | 10 | 8 | 3 | 2.6 | 160.1 | 6.2 | 71.0 | 989.0 |
| 02/20/2022 | 21:30:00 - 21:45:00 | 3 | 5 | 10 | 8 | 3 | 3.3 | 165.0 | 6.4 | 71.2 | 989.0 |
| 02/20/2022 | 21:45:00 - 22:00:00 | 3 | 5 | 10 | 9 | 3 | 3.1 | 174.8 | 6.7 | 70.7 | 989.2 |
| 02/20/2022 | 22:00:00 - 22:15:00 | 3 | 5 | 10 | 8 | 3 | 2.9 | 168.1 | 6.7 | 71.2 | 989.3 |
| 02/20/2022 | 22:15:00 - 22:30:00 | 3 | 5 | 10 | 9 | 3 | 2.5 | 155.9 | 6.2 | 73.0 | 989.3 |
| 02/20/2022 | 22:30:00 - 22:45:00 | 3 | 5 | 10 | 9 | 3 | 2.7 | 152.4 | 5.8 | 74.7 | 989.3 |
| 02/20/2022 | 22:45:00 - 23:00:00 | 3 | 5 | 11 | 9 | 3 | 2.7 | 145.2 | 5.2 | 77.3 | 989.4 |
| 02/20/2022 | 23:00:00 - 23:15:00 | 3 | 5 | 12 | 10 | 3 | 2.6 | 147.9 | 4.9 | 78.9 | 989.3 |
| 02/20/2022 | 23:15:00 - 23:30:00 | 3 | 5 | 11 | 10 | 3 | 2.4 | 155.5 | 4.9 | 79.0 | 989.3 |
| 02/20/2022 | 23:30:00 - 23:45:00 | 3 | 5 | 11 | 9 | 3 | 2.4 | 153.6 | 5.2 | 78.9 | 989.2 |
| 02/21/2022 | 23:45:00 - 00:00:00 | 3 | 5 | 11 | 9 | 3 | 2.4 | 158.6 | 5.3 | 78.0 | 989.1 |
| 02/21/2022 | 00:00:00 - 00:15:00 | 3 | 5 | 11 | 9 | 3 | 2.3 | 145.2 | 5.3 | 78.3 | 989.3 |
| 02/21/2022 | 00:15:00 - 00:30:00 | 3 | 5 | 11 | 9 | 3 | 2.7 | 156.6 | 5.3 | 78.8 | 989.3 |
| 02/21/2022 | 00:30:00 - 00:45:00 | 3 | 5 | 11 | 10 | 3 | 2.7 | 155.5 | 5.5 | 78.0 | 989.3 |
| 02/21/2022 | 00:45:00 - 01:00:00 | 3 | 5 | 11 | 10 | 3 | 2.4 | 148.8 | 5.0 | 78.9 | 989.2 |
| 02/21/2022 | 01:00:00 - 01:15:00 | 3 | 5 | 11 | 10 | 3 | 2.5 | 157.9 | 4.7 | 80.5 | 989.2 |
| 02/21/2022 | 01:15:00 - 01:30:00 | 3 | 5 | 11 | 10 | 3 | 2.6 | 154.7 | 4.9 | 80.0 | 989.2 |
| 02/21/2022 | 01:30:00 - 01:45:00 | 3 | 5 | 11 | 10 | 3 | 3.2 | 169.5 | 5.4 | 78.9 | 989.0 |
| 02/21/2022 | 01:45:00 - 02:00:00 | 3 | 5 | 11 | 10 | 3 | 2.6 | 176.5 | 5.7 | 77.5 | 989.0 |
| 02/21/2022 | 02:00:00 - 02:15:00 | 3 | 5 | 12 | 10 | 4 | 2.1 | 164.5 | 5.3 | 78.4 | 989.0 |
| 02/21/2022 | 02:15:00 - 02:30:00 | 3 | 5 | 12 | 10 | 4 | 2.8 | 176.1 | 5.2 | 79.0 | 988.9 |
| 02/21/2022 | 02:30:00 - 02:45:00 | 3 | 6 | 12 | 13 | 4 | 3.6 | 190.9 | 5.7 | 77.7 | 988.8 |
| 02/21/2022 | 02:45:00 - 03:00:00 | 3 | 5 | 12 | 10 | 4 | 2.8 | 179.3 | 5.6 | 77.4 | 988.7 |
| 02/21/2022 | 03:00:00 - 03:15:00 | 3 | 5 | 12 | 10 | 4 | 3.0 | 166.6 | 5.4 | 77.9 | 988.6 |
| 02/21/2022 | 03:15:00 - 03:30:00 | 3 | 6 | 12 | 11 | 4 | 3.0 | 162.0 | 5.1 | 78.5 | 988.5 |
| 02/21/2022 | 03:30:00 - 03:45:00 | 3 | 6 | 12 | 11 | 4 | 2.3 | 146.9 | 4.3 | 80.3 | 988.4 |
| 02/21/2022 | 03:45:00 - 04:00:00 | 3 | 6 | 13 | 11 | 4 | 2.0 | 132.8 | 3.6 | 83.1 | 988.4 |
| 02/21/2022 | 04:00:00 - 04:15:00 | 4 | 6 | 13 | 11 | 4 | 2.3 | 144.7 | 3.4 | 84.0 | 988.4 |
| 02/21/2022 | 04:15:00 - 04:30:00 | 4 | 6 | 13 | 11 | 4 | 2.3 | 137.4 | 3.5 | 84.0 | 988.5 |
| 02/21/2022 | 04:30:00 - 04:45:00 | 3 | 6 | 13 | 11 | 4 | 2.5 | 133.4 | 3.4 | 84.0 | 988.6 |
| 02/21/2022 | 04:45:00 - 05:00:00 | 3 | 6 | 13 | 11 | 4 | 2.0 | 131.1 | 3.4 | 84.0 | 988.6 |
| 02/21/2022 | 05:00:00 - 05:15:00 | 3 | 6 | 13 | 11 | 4 | 2.1 | 128.9 | 3.2 | 84.2 | 988.6 |
| 02/21/2022 | 05:15:00 - 05:30:00 | 3 | 6 | 13 | 11 | 4 | 2.3 | 116.8 | 3.0 | 85.0 | 988.6 |
| 02/21/2022 | 05:30:00 - 05:45:00 | 3 | 6 | 12 | 11 | 4 | 2.5 | 113.6 | 3.1 | 84.9 | 988.6 |
| 02/21/2022 | 05:45:00 - 06:00:00 | 3 | 6 | 12 | 11 | 4 | 2.1 | 113.9 | 3.1 | 84.6 | 988.7 |
| 02/21/2022 | 06:00:00 - 06:15:00 | 3 | 6 | 13 | 11 | 4 | 2.5 | 114.5 | 3.2 | 84.2 | 988.7 |
| 02/21/2022 | 06:15:00 - 06:30:00 | 3 | 6 | 13 | 11 | 4 | 2.9 | 109.4 | 3.1 | 84.0 | 988.7 |
| 02/21/2022 | 06:30:00 - 06:45:00 | 3 | 6 | 13 | 11 | 4 | 2.5 | 119.7 | 3.0 | 84.6 | 988.7 |
| 02/21/2022 | 06:45:00 - 07:00:00 | 3 | 6 | 13 | 11 | 4 | 2.3 | 131.9 | 3.1 | 84.1 | 988.8 |
| 02/21/2022 | 07:00:00 - 07:15:00 | 4 | 6 | 13 | 12 | 4 | 2.2 | 132.5 | 3.2 | 84.0 | 988.8 |
| 02/21/2022 | 07:15:00 - 07:30:00 | 4 | 6 | 13 | 12 | 4 | 2.4 | 153.6 | 3.6 | 83.2 | 988.8 |
| 02/21/2022 | 07:30:00 - 07:45:00 | 4 | 6 | 13 | 12 | 4 | 2.7 | 163.7 | 4.2 | 81.1 | 989.0 |
| 02/21/2022 | 07:45:00 - 08:00:00 | 4 | 6 | 14 | 11 | 4 | 3.0 | 165.3 | 4.8 | 78.9 | 989.1 |
| 02/21/2022 | 08:00:00 - 08:15:00 | 4 | 6 | 13 | 11 | 4 | 2.6 | 168.2 | 5.2 | 77.4 | 989.3 |
| 02/21/2022 | 08:15:00 - 08:30:00 | 4 | 6 | 13 | 11 | 4 | 2.5 | 169.8 | 5.5 | 76.5 | 989.2 |
| 02/21/2022 | 08:30:00 - 08:45:00 | 4 | 6 | 13 | 11 | 4 | 2.8 | 167.5 | 5.6 | 76.2 | 989.0 |
| 02/21/2022 | 08:45:00 - 09:00:00 | 4 | 6 | 13 | 11 | 4 | 2.5 | 177.8 | 6.4 | 75.2 | 988.9 |
| 02/21/2022 | 09:00:00 - 09:15:00 | 4 | 6 | 12 | 11 | 4 | 2.7 | 179.1 | 7.4 | 72.6 | 988.9 |
| 02/21/2022 | 09:15:00 - 09:30:00 | 4 | 6 | 12 | 11 | 4 | 2.7 | 180.0 | 8.0 | 70.9 | 988.9 |
| 02/21/2022 | 09:30:00 - 09:45:00 | 4 | 6 | 12 | 12 | 4 | 2.9 | 161.5 | 8.3 | 70.4 | 988.8 |
| 02/21/2022 | 09:45:00 - 10:00:00 | 5 | 6 | 12 | 12 | 4 | 3.0 | 180.5 | 8.7 | 70.1 | 988.7 |
| 02/21/2022 | 10:00:00 - 10:15:00 | 5 | 6 | 13 | 14 | 5 | 2.8 | 162.1 | 9.0 | 70.4 | 988.6 |
| 02/21/2022 | 10:15:00 - 10:30:00 | 5 | 7 | 14 | 14 | 5 | 2.9 | 177.4 | 9.4 | 71.0 | 988.4 |
| 02/21/2022 | 10:30:00 - 10:45:00 | 6 | 7 | 15 | 15 | 6 | 3.0 | 175.7 | 9.9 | 70.8 | 988.3 |
| 02/21/2022 | 10:45:00 - 11:00:00 | 6 | 8 | 15 | 16 | 6 | 2.9 | 166.2 | 10.3 | 70.1 | 988.1 |
| 02/21/2022 | 11:00:00 - 11:15:00 | 7 | 8 | 16 | 18 | 7 | 3.0 | 170.6 | 10.6 | 70.4 | 988.0 |
| 02/21/2022 | 11:15:00 - 11:30:00 | 7 | 9 | 18 | 19 | 7 | 3.4 | 168.8 | 10.9 | 71.2 | 987.8 |
| 02/21/2022 | 11:30:00 - 11:45:00 | 8 | 9 | 19 | 21 | 8 | 2.6 | 158.9 | 11.3 | 71.0 | 987.7 |
| 02/21/2022 | 11:45:00 - 12:00:00 | 9 | 10 | 21 | 23 | 9 | 3.3 | 143.3 | 11.7 | 68.9 | 987.2 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 02/21/2022 | 12:00:00 - 12:15:00 | 9 | 10 | 22 | 23 | 9 | 2.6 | 161.4 | 12.5 | 67.9 | 986.9 |
| 02/21/2022 | 12:15:00 - 12:30:00 | 10 | 10 | 22 | 23 | 8 | 2.7 | 170.9 | 12.9 | 67.0 | 986.7 |
| 02/21/2022 | 12:30:00 - 12:45:00 | 9 | 10 | 20 | 22 | 8 | 2.8 | 136.6 | 13.0 | 66.0 | 986.4 |
| 02/21/2022 | 12:45:00 - 13:00:00 | 9 | 10 | 21 | 23 | 9 | 2.4 | 151.9 | 13.4 | 65.8 | 986.2 |
| 02/21/2022 | 13:00:00 - 13:15:00 | 8 | 9 | 19 | 22 | 8 | 2.7 | 131.9 | 13.6 | 67.2 | 985.9 |
| 02/21/2022 | 13:15:00 - 13:30:00 | 8 | 9 | 18 | 22 | 9 | 4.2 | 134.7 | 12.4 | 72.1 | 985.9 |
| 02/21/2022 | 13:30:00 - 13:45:00 | 8 | 9 | 19 | 21 | 8 | 3.4 | 140.2 | 12.4 | 71.6 | 985.8 |
| 02/21/2022 | 13:45:00 - 14:00:00 | 9 | 10 | 20 | 22 | 8 | 3.4 | 141.8 | 12.6 | 71.4 | 985.6 |
| 02/21/2022 | 14:00:00 - 14:15:00 | 9 | 10 | 21 | 23 | 8 | 2.8 | 152.8 | 12.9 | 72.4 | 985.3 |
| 02/21/2022 | 14:15:00 - 14:30:00 | 9 | 10 | 21 | 23 | 9 | 2.6 | 146.0 | 13.4 | 72.7 | 985.1 |
| 02/21/2022 | 14:30:00 - 14:45:00 | 9 | 10 | 22 | 23 | 9 | 3.3 | 142.8 | 13.5 | 72.5 | 984.7 |
| 02/21/2022 | 14:45:00 - 15:00:00 | 10 | 11 | 23 | 25 | 9 | 3.6 | 146.1 | 13.5 | 73.8 | 984.6 |
| 02/21/2022 | 15:00:00 - 15:15:00 | 10 | 11 | 22 | 24 | 9 | 3.9 | 136.6 | 13.4 | 75.6 | 984.4 |
| 02/21/2022 | 15:15:00 - 15:30:00 | 9 | 11 | 22 | 24 | 9 | 3.2 | 129.0 | 13.4 | 76.1 | 984.2 |
| 02/21/2022 | 15:30:00 - 15:45:00 | 10 | 11 | 22 | 24 | 9 | 2.9 | 134.3 | 13.4 | 76.9 | 984.3 |
| 02/21/2022 | 15:45:00 - 16:00:00 | 10 | 11 | 23 | 25 | 9 | 3.8 | 131.8 | 13.2 | 77.6 | 984.1 |
| 02/21/2022 | 16:00:00 - 16:15:00 | 10 | 11 | 23 | 26 | 9 | 3.4 | 127.0 | 13.1 | 79.0 | 983.9 |
| 02/21/2022 | 16:15:00 - 16:30:00 | 10 | 11 | 23 | 25 | 9 | 3.2 | 133.0 | 13.1 | 80.0 | 983.8 |
| 02/21/2022 | 16:30:00 - 16:45:00 | 10 | 12 | 23 | 25 | 9 | 3.4 | 135.3 | 13.2 | 80.8 | 983.6 |
| 02/21/2022 | 16:45:00 - 17:00:00 | 10 | 11 | 23 | 24 | 9 | 3.4 | 138.2 | 13.2 | 81.8 | 983.4 |
| 02/21/2022 | 17:00:00 - 17:15:00 | 9 | 11 | 22 | 23 | 9 | 3.8 | 138.1 | 13.1 | 82.6 | 983.3 |
| 02/21/2022 | 17:15:00 - 17:30:00 | 9 | 11 | 22 | 23 | 9 | 2.5 | 140.0 | 12.7 | 84.2 | 983.2 |
| 02/21/2022 | 17:30:00 - 17:45:00 | 9 | 11 | 22 | 23 | 9 | 2.2 | 160.1 | 12.5 | 85.4 | 983.2 |
| 02/21/2022 | 17:45:00 - 18:00:00 | 9 | 11 | 22 | 23 | 9 | 1.9 | 157.0 | 12.3 | 86.3 | 983.0 |
| 02/21/2022 | 18:00:00 - 18:15:00 | 9 | 10 | 21 | 22 | 8 | 2.1 | 179.3 | 12.4 | 88.3 | 983.2 |
| 02/21/2022 | 18:15:00 - 18:30:00 | 8 | 10 | 20 | 21 | 8 | 3.2 | 181.0 | 12.6 | 90.7 | 983.4 |
| 02/21/2022 | 18:30:00 - 18:45:00 | 7 | 9 | 18 | 19 | 7 | 2.4 | 170.6 | 12.6 | 91.7 | 983.4 |
| 02/21/2022 | 18:45:00 - 19:00:00 | 7 | 8 | 17 | 18 | 7 | 2.5 | 183.3 | 12.6 | 92.0 | 983.4 |
| 02/21/2022 | 19:00:00 - 19:15:00 | 7 | 8 | 17 | 17 | 6 | 2.5 | 175.3 | 12.6 | 92.0 | 983.3 |
| 02/21/2022 | 19:15:00 - 19:30:00 | 7 | 8 | 16 | 17 | 6 | 2.6 | 185.6 | 12.5 | 92.0 | 983.3 |
| 02/21/2022 | 19:30:00 - 19:45:00 | 6 | 8 | 16 | 16 | 6 | 2.5 | 178.3 | 12.6 | 91.4 | 983.1 |
| 02/21/2022 | 19:45:00 - 20:00:00 | 6 | 7 | 15 | 16 | 6 | 2.2 | 171.1 | 12.2 | 91.8 | 982.8 |
| 02/21/2022 | 20:00:00 - 20:15:00 | 6 | 7 | 15 | 16 | 6 | 2.4 | 177.0 | 11.9 | 92.0 | 982.7 |
| 02/21/2022 | 20:15:00 - 20:30:00 | 6 | 7 | 15 | 15 | 5 | 2.4 | 184.1 | 11.9 | 92.0 | 982.7 |
| 02/21/2022 | 20:30:00 - 20:45:00 | 6 | 7 | 14 | 15 | 5 | 2.4 | 170.5 | 12.0 | 92.0 | 982.8 |
| 02/21/2022 | 20:45:00 - 21:00:00 | 5 | 7 | 14 | 14 | 5 | 2.4 | 175.8 | 12.1 | 92.0 | 982.9 |
| 02/21/2022 | 21:00:00 - 21:15:00 | 5 | 7 | 13 | 14 | 5 | 2.4 | 176.0 | 12.2 | 92.0 | 982.9 |
| 02/21/2022 | 21:15:00 - 21:30:00 | 5 | 6 | 12 | 13 | 4 | 2.7 | 182.9 | 12.3 | 92.0 | 983.1 |
| 02/21/2022 | 21:30:00 - 21:45:00 | 5 | 6 | 12 | 12 | 4 | 2.7 | 186.2 | 12.3 | 92.6 | 983.3 |
| 02/21/2022 | 21:45:00 - 22:00:00 | 4 | 5 | 10 | 11 | 3 | 3.2 | 168.4 | 12.6 | 93.3 | 983.2 |
| 02/21/2022 | 22:00:00 - 22:15:00 | 4 | 5 | 10 | 11 | 3 | 2.9 | 175.3 | 12.7 | 94.2 | 983.1 |
| 02/21/2022 | 22:15:00 - 22:30:00 | 5 | 7 | 13 | 14 | 5 | 3.5 | 153.7 | 12.6 | 94.9 | 982.5 |
| 02/21/2022 | 22:30:00 - 22:45:00 | 6 | 8 | 15 | 17 | 6 | 3.3 | 184.6 | 12.4 | 95.7 | 982.3 |
| 02/21/2022 | 22:45:00 - 23:00:00 | 6 | 8 | 16 | 18 | 6 | 3.2 | 165.9 | 12.4 | 96.3 | 982.1 |
| 02/21/2022 | 23:00:00 - 23:15:00 | 5 | 6 | 13 | 15 | 5 | 5.1 | 178.4 | 12.4 | 97.3 | 982.1 |
| 02/21/2022 | 23:15:00 - 23:30:00 | 6 | 7 | 14 | 17 | 5 | 4.2 | 186.1 | 12.2 | 98.0 | 982.3 |
| 02/21/2022 | 23:30:00 - 23:45:00 | 3 | 4 | 7 | 8 | 2 | 5.2 | 187.1 | 12.7 | 97.9 | 982.1 |
| 02/22/2022 | 23:45:00 - 00:00:00 | 2 | 3 | 6 | 7 | 2 | 3.5 | 172.7 | 12.6 | 96.4 | 982.1 |
| 02/22/2022 | 00:00:00 - 00:15:00 | 2 | 3 | 6 | 7 | 2 | 3.3 | 180.0 | 12.1 | 97.7 | 982.2 |
| 02/22/2022 | 00:15:00 - 00:30:00 | 2 | 3 | 7 | 7 | 2 | 3.1 | 153.5 | 11.8 | 98.7 | 982.2 |
| 02/22/2022 | 00:30:00 - 00:45:00 | 3 | 4 | 8 | 9 | 2 | 3.1 | 152.6 | 11.8 | 99.0 | 982.1 |
| 02/22/2022 | 00:45:00 - 01:00:00 | 3 | 4 | 8 | 9 | 3 | 2.6 | 156.5 | 11.7 | 99.3 | 982.3 |
| 02/22/2022 | 01:00:00 - 01:15:00 | 3 | 4 | 8 | 9 | 2 | 2.3 | 169.3 | 11.6 | 100.0 | 982.5 |
| 02/22/2022 | 01:15:00 - 01:30:00 | 3 | 4 | 8 | 9 | 2 | 2.2 | 161.6 | 11.5 | 100.0 | 982.6 |
| 02/22/2022 | 01:30:00 - 01:45:00 | 3 | 4 | 8 | 9 | 3 | 2.7 | 180.6 | 11.4 | 100.0 | 982.7 |
| 02/22/2022 | 01:45:00 - 02:00:00 | 3 | 5 | 9 | 11 | 3 | 2.4 | 177.7 | 11.3 | 100.0 | 982.5 |
| 02/22/2022 | 02:00:00 - 02:15:00 | 4 | 6 | 11 | 13 | 4 | 2.6 | 149.5 | 11.2 | 100.0 | 982.5 |
| 02/22/2022 | 02:15:00 - 02:30:00 | 4 | 6 | 12 | 14 | 4 | 2.6 | 177.1 | 11.2 | 100.0 | 982.5 |
| 02/22/2022 | 02:30:00 - 02:45:00 | 4 | 6 | 11 | 13 | 4 | 2.4 | 170.0 | 11.1 | 100.0 | 982.3 |
| 02/22/2022 | 02:45:00 - 03:00:00 | 3 | 5 | 10 | 12 | 3 | 2.7 | 177.5 | 11.1 | 100.0 | 982.4 |
| 02/22/2022 | 03:00:00 - 03:15:00 | 3 | 4 | 8 | 10 | 3 | 3.0 | 183.6 | 11.3 | 100.0 | 982.4 |
| 02/22/2022 | 03:15:00 - 03:30:00 | 3 | 5 | 8 | 10 | 3 | 2.9 | 181.8 | 11.3 | 100.0 | 982.2 |
| 02/22/2022 | 03:30:00 - 03:45:00 | 3 | 4 | 8 | 9 | 2 | 2.5 | 181.3 | 11.4 | 100.0 | 982.4 |
| 02/22/2022 | 03:45:00 - 04:00:00 | 3 | 4 | 8 | 9 | 2 | 2.5 | 164.8 | 11.4 | 100.0 | 982.3 |
| 02/22/2022 | 04:00:00 - 04:15:00 | 2 | 4 | 7 | 9 | 2 | 2.5 | 161.9 | 11.5 | 100.0 | 982.0 |
| 02/22/2022 | 04:15:00 - 04:30:00 | 2 | 4 | 5 | 8 | 2 | 2.3 | 171.2 | 11.5 | 100.0 | 981.4 |
| 02/22/2022 | 04:30:00 - 04:45:00 | 2 | 4 | 5 | 9 | 2 | 2.6 | 175.1 | 11.5 | 100.0 | 981.2 |
| 02/22/2022 | 04:45:00 - 05:00:00 | 2 | 4 | 6 | 9 | 2 | 2.6 | 187.8 | 11.6 | 100.0 | 981.2 |
| 02/22/2022 | 05:00:00 - 05:15:00 | 3 | 5 | 8 | 13 | 4 | 2.5 | 188.3 | 11.6 | 100.0 | 981.3 |
| 02/22/2022 | 05:15:00 - 05:30:00 | 3 | 6 | 7 | 14 | 4 | 3.2 | 186.0 | 11.5 | 100.0 | 981.7 |
| 02/22/2022 | 05:30:00 - 05:45:00 | 3 | 4 | 8 | 10 | 2 | 2.3 | 170.4 | 11.5 | 100.0 | 981.7 |
| 02/22/2022 | 05:45:00 - 06:00:00 | 4 | 6 | 12 | 15 | 4 | 2.5 | 189.9 | 12.0 | 100.0 | 981.4 |
| 02/22/2022 | 06:00:00 - 06:15:00 | 6 | 8 | 15 | 20 | 6 | 2.0 | 176.2 | 12.2 | 100.0 | 981.6 |
| 02/22/2022 | 06:15:00 - 06:30:00 | 7 | 9 | 17 | 23 | 7 | 2.0 | 195.6 | 12.3 | 100.0 | 981.7 |
| 02/22/2022 | 06:30:00 - 06:45:00 | 8 | 10 | 18 | 24 | 7 | 3.0 | 221.8 | 12.6 | 100.0 | 981.8 |
| 02/22/2022 | 06:45:00 - 07:00:00 | 7 | 9 | 18 | 24 | 7 | 3.7 | 208.0 | 12.7 | 100.0 | 981.6 |
| 02/22/2022 | 07:00:00 - 07:15:00 | 6 | 8 | 14 | 20 | 5 | 2.9 | 207.0 | 12.7 | 100.0 | 981.2 |
| 02/22/2022 | 07:15:00 - 07:30:00 | 5 | 7 | 14 | 18 | 5 | 0.9 | 166.3 | 12.6 | 100.0 | 980.6 |
| 02/22/2022 | 07:30:00 - 07:45:00 | 6 | 9 | 16 | 23 | 6 | 3.2 | 127.0 | 12.4 | 100.0 | 979.5 |
| 02/22/2022 | 07:45:00 - 08:00:00 | 7 | 8 | 15 | 22 | 6 | 3.2 | 133.4 | 12.2 | 100.0 | 979.3 |
| 02/22/2022 | 08:00:00 - 08:15:00 | 5 | 7 | 13 | 19 | 5 | 2.5 | 148.6 | 12.1 | 100.0 | 979.0 |
| 02/22/2022 | 08:15:00 - 08:30:00 | 5 | 6 | 12 | 16 | 4 | 2.2 | 142.2 | 12.1 | 100.0 | 979.2 |
| 02/22/2022 | 08:30:00 - 08:45:00 | 5 | 7 | 13 | 16 | 5 | 2.5 | 157.9 | 12.3 | 100.0 | 979.2 |
| 02/22/2022 | 08:45:00 - 09:00:00 | 6 | 7 | 14 | 19 | 5 | 3.1 | 150.0 | 12.3 | 100.0 | 978.8 |
| 02/22/2022 | 09:00:00 - 09:15:00 | 6 | 8 | 15 | 18 | 5 | 2.7 | 187.3 | 12.2 | 100.0 | 978.6 |
| 02/22/2022 | 09:15:00 - 09:30:00 | 6 | 7 | 15 | 17 | 5 | 2.5 | 169.9 | 12.5 | 100.0 | 978.8 |
| 02/22/2022 | 09:30:00 - 09:45:00 | 6 | 7 | 14 | 16 | 5 | 3.0 | 198.3 | 12.6 | 100.0 | 979.1 |
| 02/22/2022 | 09:45:00 - 10:00:00 | 5 | 6 | 12 | 13 | 4 | 2.6 | 184.4 | 12.7 | 100.0 | 979.2 |
| 02/22/2022 | 10:00:00 - 10:15:00 | 4 | 5 | 11 | 11 | 4 | 3.1 | 180.7 | 12.7 | 100.0 | 979.1 |
| 02/22/2022 | 10:15:00 - 10:30:00 | 4 | 5 | 10 | 11 | 3 | 2.9 | 183.9 | 12.8 | 100.0 | 979.1 |
| 02/22/2022 | 10:30:00 - 10:45:00 | 4 | 5 | 10 | 12 | 3 | 2.4 | 181.1 | 12.9 | 100.0 | 979.0 |
| 02/22/2022 | 10:45:00 - 11:00:00 | 4 | 5 | 9 | 11 | 3 | 2.9 | 190.9 | 12.9 | 100.0 | 979.3 |
| 02/22/2022 | 11:00:00 - 11:15:00 | 4 | 5 | 10 | 10 | 3 | 3.0 | 193.8 | 13.1 | 99.9 | 979.3 |
| 02/22/2022 | 11:15:00 - 11:30:00 | 3 | 4 | 8 | 9 | 3 | 3.9 | 208.6 | 13.2 | 98.5 | 979.3 |
| 02/22/2022 | 11:30:00 - 11:45:00 | 3 | 4 | 7 | 8 | 2 | 4.0 | 201.3 | 13.3 | 97.3 | 979.2 |
| 02/22/2022 | 11:45:00 - 12:00:00 | 3 | 4 | 7 | 11 | 2 | 6.0 | 203.7 | 13.4 | 96.4 | 979.2 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 02/22/2022 | 12:00:00 - 12:15:00 | 3 | 4 | 7 | 9 | 2 | 5.2 | 204.1 | 13.7 | 96.0 | 979.1 |
| 02/22/2022 | 12:15:00 - 12:30:00 | 3 | 5 | 8 | 9 | 2 | 5.7 | 207.0 | 13.8 | 95.5 | 979.0 |
| 02/22/2022 | 12:30:00 - 12:45:00 | 3 | 4 | 7 | 8 | 2 | 4.4 | 213.8 | 13.9 | 95.3 | 978.9 |
| 02/22/2022 | 12:45:00 - 13:00:00 | 3 | 4 | 7 | 9 | 2 | 4.4 | 221.8 | 13.9 | 96.0 | 978.9 |
| 02/22/2022 | 13:00:00 - 13:15:00 | 3 | 5 | 7 | 12 | 2 | 4.6 | 223.7 | 13.9 | 97.3 | 979.0 |
| 02/22/2022 | 13:15:00 - 13:30:00 | 3 | 5 | 8 | 11 | 3 | 6.4 | 253.3 | 13.8 | 97.9 | 979.5 |
| 02/22/2022 | 13:30:00 - 13:45:00 | 7 | 7 | 16 | 15 | 6 | 10.0 | 268.0 | 12.4 | 95.6 | 980.3 |
| 02/22/2022 | 13:45:00 - 14:00:00 | 5 | 6 | 13 | 13 | 4 | 10.6 | 274.2 | 10.4 | 94.2 | 981.1 |
| 02/22/2022 | 14:00:00 - 14:15:00 | 6 | 6 | 13 | 11 | 4 | 10.4 | 276.3 | 7.7 | 95.0 | 982.0 |
| 02/22/2022 | 14:15:00 - 14:30:00 | 4 | 5 | 11 | 10 | 3 | 12.0 | 273.5 | 5.8 | 95.1 | 982.7 |
| 02/22/2022 | 14:30:00 - 14:45:00 | 5 | 5 | 12 | 10 | 3 | 10.5 | 275.8 | 4.6 | 95.1 | 983.2 |
| 02/22/2022 | 14:45:00 - 15:00:00 | 4 | 5 | 12 | 10 | 4 | 11.7 | 273.6 | 4.2 | 93.4 | 983.8 |
| 02/22/2022 | 15:00:00 - 15:15:00 | 5 | 5 | 13 | 10 | 5 | 11.5 | 273.7 | 3.6 | 92.0 | 984.4 |
| 02/22/2022 | 15:15:00 - 15:30:00 | 4 | 5 | 12 | 10 | 3 | 11.3 | 273.7 | 3.1 | 91.2 | 985.0 |
| 02/22/2022 | 15:30:00 - 15:45:00 | 3 | 5 | 12 | 9 | 3 | 9.6 | 273.6 | 2.7 | 92.4 | 985.2 |
| 02/22/2022 | 15:45:00 - 16:00:00 | 3 | 5 | 11 | 9 | 3 | 11.1 | 274.8 | 2.2 | 93.3 | 985.7 |
| 02/22/2022 | 16:00:00 - 16:15:00 | 3 | 6 | 12 | 9 | 3 | 10.1 | 276.9 | 1.6 | 93.6 | 986.1 |
| 02/22/2022 | 16:15:00 - 16:30:00 | 4 | 6 | 13 | 11 | 4 | 9.5 | 277.0 | 1.3 | 91.3 | 986.5 |
| 02/22/2022 | 16:30:00 - 16:45:00 | 4 | 6 | 14 | 11 | 4 | 9.0 | 282.5 | 0.9 | 90.7 | 987.1 |
| 02/22/2022 | 16:45:00 - 17:00:00 | 4 | 6 | 13 | 11 | 4 | 7.8 | 284.3 | 0.5 | 90.3 | 987.6 |
| 02/22/2022 | 17:00:00 - 17:15:00 | 4 | 6 | 14 | 11 | 4 | 8.3 | 295.0 | 0.0 | 90.4 | 988.0 |
| 02/22/2022 | 17:15:00 - 17:30:00 | 3 | 6 | 12 | 10 | 4 | 8.9 | 293.6 | -0.5 | 89.9 | 988.4 |
| 02/22/2022 | 17:30:00 - 17:45:00 | 3 | 6 | 12 | 9 | 4 | 9.1 | 284.9 | -0.9 | 89.3 | 989.0 |
| 02/22/2022 | 17:45:00 - 18:00:00 | 3 | 6 | 12 | 9 | 4 | 8.4 | 283.9 | -1.1 | 90.0 | 989.5 |
| 02/22/2022 | 18:00:00 - 18:15:00 | 3 | 6 | 12 | 10 | 6 | 8.1 | 292.3 | -1.2 | 89.1 | 989.9 |
| 02/22/2022 | 18:15:00 - 18:30:00 | 3 | 6 | 12 | 10 | 5 | 7.6 | 295.5 | -1.4 | 89.2 | 990.5 |
| 02/22/2022 | 18:30:00 - 18:45:00 | 3 | 6 | 12 | 10 | 8 | 6.0 | 294.8 | -1.5 | 89.9 | 990.9 |
| 02/22/2022 | 18:45:00 - 19:00:00 | 4 | 7 | 14 | 12 | 10 | 7.2 | 289.8 | -1.8 | 89.5 | 991.3 |
| 02/22/2022 | 19:00:00 - 19:15:00 | 6 | 9 | 20 | 17 | 10 | 6.5 | 304.0 | -2.0 | 88.7 | 991.6 |
| 02/22/2022 | 19:15:00 - 19:30:00 | 5 | 8 | 16 | 14 | 9 | 8.1 | 287.0 | -2.2 | 88.5 | 992.2 |
| 02/22/2022 | 19:30:00 - 19:45:00 | 8 | 11 | 22 | 20 | 9 | 7.8 | 283.0 | -2.4 | 88.0 | 992.8 |
| 02/22/2022 | 19:45:00 - 20:00:00 | 10 | 13 | 28 | 26 | 9 | 8.5 | 280.9 | -2.8 | 87.0 | 993.2 |
| 02/22/2022 | 20:00:00 - 20:15:00 | 11 | 14 | 30 | 27 | 9 | 8.4 | 285.1 | -3.0 | 86.9 | 993.7 |
| 02/22/2022 | 20:15:00 - 20:30:00 | 9 | 12 | 25 | 23 | 8 | 7.8 | 284.6 | -3.2 | 86.3 | 994.1 |
| 02/22/2022 | 20:30:00 - 20:45:00 | 9 | 13 | 27 | 24 | 6 | 8.5 | 285.3 | -3.3 | 86.1 | 994.5 |
| 02/22/2022 | 20:45:00 - 21:00:00 | 9 | 13 | 26 | 24 | 7 | 5.8 | 291.3 | -3.4 | 86.0 | 994.8 |
| 02/22/2022 | 21:00:00 - 21:15:00 | 9 | 12 | 25 | 23 | 7 | 6.5 | 285.8 | -3.6 | 85.7 | 995.0 |
| 02/22/2022 | 21:15:00 - 21:30:00 | 7 | 10 | 22 | 19 | 8 | 7.9 | 297.4 | -3.6 | 85.3 | 995.2 |
| 02/22/2022 | 21:30:00 - 21:45:00 | 6 | 9 | 18 | 16 | 9 | 7.5 | 290.3 | -3.9 | 84.1 | 995.6 |
| 02/22/2022 | 21:45:00 - 22:00:00 | 7 | 10 | 20 | 18 | 9 | 6.6 | 296.1 | -4.0 | 84.2 | 995.9 |
| 02/22/2022 | 22:00:00 - 22:15:00 | 7 | 10 | 21 | 19 | 7 | 6.1 | 299.9 | -4.0 | 84.4 | 996.0 |
| 02/22/2022 | 22:15:00 - 22:30:00 | 8 | 11 | 23 | 21 | 6 | 5.9 | 304.7 | -4.2 | 83.9 | 996.1 |
| 02/22/2022 | 22:30:00 - 22:45:00 | 9 | 13 | 25 | 23 | 6 | 6.1 | 287.6 | -4.4 | 83.6 | 996.3 |
| 02/22/2022 | 22:45:00 - 23:00:00 | 9 | 12 | 24 | 23 | 6 | 6.9 | 290.4 | -4.5 | 83.1 | 996.4 |
| 02/22/2022 | 23:00:00 - 23:15:00 | 7 | 10 | 20 | 17 | 8 | 6.1 | 299.8 | -4.6 | 82.3 | 996.8 |
| 02/22/2022 | 23:15:00 - 23:30:00 | 6 | 9 | 19 | 16 | 8 | 5.8 | 285.6 | -4.6 | 82.1 | 996.9 |
| 02/22/2022 | 23:30:00 - 23:45:00 | 6 | 9 | 18 | 16 | 7 | 6.1 | 288.4 | -4.6 | 82.2 | 997.2 |
| 02/23/2022 | 23:45:00 - 00:00:00 | 5 | 9 | 17 | 15 | 7 | 5.9 | 299.4 | -4.5 | 81.6 | 997.5 |
| 02/23/2022 | 00:00:00 - 00:15:00 | 7 | 11 | 11 | 19 | 8 | 6.7 | 290.5 | -4.7 | 81.6 | 997.8 |
| 02/23/2022 | 00:15:00 - 00:30:00 | 7 | 11 | 11 | 20 | 8 | 8.0 | 290.3 | -4.8 | 81.9 | 997.9 |
| 02/23/2022 | 00:30:00 - 00:45:00 | 6 | 10 | 10 | 17 | 7 | 7.1 | 291.0 | -5.0 | 80.9 | 998.2 |
| 02/23/2022 | 00:45:00 - 01:00:00 | 6 | 10 | 10 | 18 | 7 | 7.0 | 289.3 | -5.2 | 79.9 | 998.5 |
| 02/23/2022 | 01:00:00 - 01:15:00 | 6 | 9 | 9 | 17 | 7 | 5.8 | 294.2 | -5.3 | 80.3 | 998.6 |
| 02/23/2022 | 01:15:00 - 01:30:00 | 5 | 9 | 9 | 15 | 6 | 6.6 | 304.7 | -5.3 | 79.7 | 998.9 |
| 02/23/2022 | 01:30:00 - 01:45:00 | 5 | 9 | 9 | 15 | 6 | 4.9 | 308.2 | -5.4 | 79.5 | 999.0 |
| 02/23/2022 | 01:45:00 - 02:00:00 | 6 | 9 | 9 | 17 | 7 | 7.2 | 301.4 | -5.7 | 79.6 | 999.2 |
| 02/23/2022 | 02:00:00 - 02:15:00 | 6 | 9 | 9 | 15 | 6 | 6.6 | 302.9 | -6.1 | 79.2 | 999.5 |
| 02/23/2022 | 02:15:00 - 02:30:00 | 5 | 8 | 8 | 14 | 6 | 6.2 | 306.2 | -6.3 | 79.6 | 999.7 |
| 02/23/2022 | 02:30:00 - 02:45:00 | 5 | 9 | 9 | 15 | 6 | 6.0 | 318.3 | -6.4 | 80.0 | 999.9 |
| 02/23/2022 | 02:45:00 - 03:00:00 | 5 | 8 | 8 | 15 | 6 | 5.7 | 323.4 | -6.6 | 79.7 | 999.9 |
| 02/23/2022 | 03:00:00 - 03:15:00 | 5 | 9 | 9 | 15 | 6 | 4.9 | 323.1 | -6.5 | 80.7 | 999.7 |
| 02/23/2022 | 03:15:00 - 03:30:00 | 5 | 9 | 9 | 15 | 6 | 5.3 | 328.3 | -6.5 | 81.3 | 1000.0 |
| 02/23/2022 | 03:30:00 - 03:45:00 | 5 | 9 | 9 | 15 | 6 | 5.6 | 326.1 | -6.8 | 80.7 | 1000.5 |
| 02/23/2022 | 03:45:00 - 04:00:00 | 6 | 9 | 9 | 15 | 6 | 4.9 | 331.4 | -7.0 | 81.0 | 1000.8 |
| 02/23/2022 | 04:00:00 - 04:15:00 | 6 | 9 | 9 | 16 | 6 | 4.8 | 325.6 | -7.1 | 81.6 | 1001.0 |
| 02/23/2022 | 04:15:00 - 04:30:00 | 6 | 9 | 9 | 16 | 6 | 6.0 | 315.0 | -7.3 | 80.8 | 1001.0 |
| 02/23/2022 | 04:30:00 - 04:45:00 | 6 | 9 | 9 | 17 | 7 | 4.6 | 316.6 | -7.2 | 81.5 | 1001.3 |
| 02/23/2022 | 04:45:00 - 05:00:00 | 6 | 9 | 9 | 16 | 7 | 4.4 | 336.1 | -7.2 | 82.1 | 1001.6 |
| 02/23/2022 | 05:00:00 - 05:15:00 | 6 | 9 | 9 | 15 | 6 | 4.8 | 340.9 | -7.6 | 81.2 | 1001.9 |
| 02/23/2022 | 05:15:00 - 05:30:00 | 6 | 9 | 9 | 15 | 6 | 4.5 | 330.6 | -7.8 | 81.8 | 1002.5 |
| 02/23/2022 | 05:30:00 - 05:45:00 | 6 | 9 | 9 | 15 | 6 | 4.8 | 330.3 | -7.8 | 82.2 | 1002.6 |
| 02/23/2022 | 05:45:00 - 06:00:00 | 5 | 8 | 8 | 15 | 6 | 4.3 | 332.6 | -7.9 | 82.4 | 1002.7 |
| 02/23/2022 | 06:00:00 - 06:15:00 | 6 | 9 | 9 | 15 | 6 | 4.8 | 333.7 | -7.9 | 82.8 | 1002.9 |
| 02/23/2022 | 06:15:00 - 06:30:00 | 7 | 9 | 9 | 15 | 6 | 4.5 | 329.5 | -8.1 | 82.1 | 1003.0 |
| 02/23/2022 | 06:30:00 - 06:45:00 | 8 | 9 | 9 | 15 | 6 | 5.1 | 330.5 | -8.0 | 82.3 | 1003.0 |
| 02/23/2022 | 06:45:00 - 07:00:00 | 14 | 9 | 9 | 15 | 6 | 5.4 | 337.5 | -7.9 | 82.4 | 1003.2 |
| 02/23/2022 | 07:00:00 - 07:15:00 | 10 | 9 | 9 | 16 | 6 | 4.4 | 349.5 | -7.7 | 83.7 | 1003.8 |
| 02/23/2022 | 07:15:00 - 07:30:00 | 9 | 9 | 9 | 15 | 6 | 3.8 | 344.3 | -7.6 | 82.7 | 1003.9 |
| 02/23/2022 | 07:30:00 - 07:45:00 | 8 | 9 | 9 | 15 | 6 | 5.3 | 343.9 | -7.9 | 81.6 | 1004.3 |
| 02/23/2022 | 07:45:00 - 08:00:00 | 8 | 9 | 9 | 15 | 6 | 4.0 | 347.9 | -7.9 | 79.7 | 1004.3 |
| 02/23/2022 | 08:00:00 - 08:15:00 | 8 | 9 | 9 | 16 | 6 | 4.9 | 333.4 | -7.7 | 79.0 | 1004.6 |
| 02/23/2022 | 08:15:00 - 08:30:00 | 8 | 9 | 9 | 16 | 7 | 4.2 | 339.4 | -7.8 | 79.3 | 1005.0 |
| 02/23/2022 | 08:30:00 - 08:45:00 | 11 | 10 | 10 | 16 | 7 | 4.5 | 329.3 | -7.8 | 80.0 | 1005.3 |
| 02/23/2022 | 08:45:00 - 09:00:00 | 9 | 10 | 10 | 17 | 7 | 4.0 | 337.7 | -7.6 | 81.4 | 1005.2 |
| 02/23/2022 | 09:00:00 - 09:15:00 | 11 | 9 | 9 | 16 | 7 | 5.2 | 328.2 | -7.7 | 79.9 | 1005.5 |
| 02/23/2022 | 09:15:00 - 09:30:00 | 12 | 9 | 9 | 15 | 6 | 3.7 | 340.4 | -7.3 | 79.2 | 1005.6 |
| 02/23/2022 | 09:30:00 - 09:45:00 | 19 | 9 | 9 | 16 | 7 | 3.6 | 347.2 | -7.0 | 78.9 | 1005.4 |
| 02/23/2022 | 09:45:00 - 10:00:00 | 9 | 9 | 9 | 17 | 8 | 3.2 | 358.4 | -6.9 | 77.9 | 1005.0 |
| 02/23/2022 | 10:00:00 - 10:15:00 | 12 | 9 | 9 | 16 | 7 | 4.2 | 327.2 | -7.0 | 77.1 | 1005.0 |
| 02/23/2022 | 10:15:00 - 10:30:00 | 7 | 9 | 9 | 17 | 7 | 3.5 | 353.6 | -6.8 | 78.9 | 1003.6 |
| 02/23/2022 | 10:30:00 - 10:45:00 | 8 | 9 | 9 | 15 | 6 | 3.8 | 342.4 | -6.6 | 78.7 | 1004.9 |
| 02/23/2022 | 10:45:00 - 11:00:00 | 9 | 8 | 8 | 13 | 5 | 3.6 | 341.6 | -6.4 | 76.6 | 1005.6 |
| 02/23/2022 | 11:00:00 - 11:15:00 | 7 | 8 | 8 | 17 | 7 | 3.3 | 349.1 | -6.2 | 76.3 | 1005.4 |
| 02/23/2022 | 11:15:00 - 11:30:00 | 6 | 8 | 8 | 13 | 6 | 3.0 | 341.4 | -6.1 | 76.0 | 1005.7 |
| 02/23/2022 | 11:30:00 - 11:45:00 | 7 | 9 | 9 | 13 | 5 | 3.6 | 314.9 | -6.2 | 76.5 | 1006.3 |
| 02/23/2022 | 11:45:00 - 12:00:00 | 5 | 8 | 8 | 13 | 5 | 3.5 | 327.0 | -6.1 | 77.7 | 1006.8 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 02/23/2022 | 12:00:00 - 12:15:00 | 7 | 8 | 8 | 13 | 6 | 2.8 | 346.6 | -5.8 | 76.1 | 1005.9 |
| 02/23/2022 | 12:15:00 - 12:30:00 | 6 | 7 | 7 | 12 | 5 | 3.2 | 349.1 | -5.5 | 74.6 | 1005.2 |
| 02/23/2022 | 12:30:00 - 12:45:00 | 9 | 8 | 8 | 13 | 5 | 3.6 | 351.7 | -5.3 | 73.9 | 1004.4 |
| 02/23/2022 | 12:45:00 - 13:00:00 | 6 | 8 | 8 | 14 | 6 | 3.6 | 1.2 | -5.3 | 74.7 | 1004.0 |
| 02/23/2022 | 13:00:00 - 13:15:00 | 5 | 7 | 7 | 14 | 6 | 3.5 | 7.5 | -5.1 | 73.2 | 1003.8 |
| 02/23/2022 | 13:15:00 - 13:30:00 | 5 | 8 | 8 | 13 | 5 | 3.5 | 3.3 | -5.0 | 72.9 | 1003.6 |
| 02/23/2022 | 13:30:00 - 13:45:00 | 6 | 8 | 8 | 13 | 5 | 3.6 | 3.9 | -4.8 | 72.7 | 1003.6 |
| 02/23/2022 | 13:45:00 - 14:00:00 | 5 | 8 | 8 | 13 | 5 | 4.2 | 345.7 | -4.9 | 72.9 | 1003.8 |
| 02/23/2022 | 14:00:00 - 14:15:00 | 5 | 7 | 7 | 13 | 5 | 2.9 | 0.5 | -4.8 | 73.0 | 1004.0 |
| 02/23/2022 | 14:15:00 - 14:30:00 | 5 | 8 | 8 | 13 | 5 | 3.5 | 356.4 | -4.8 | 72.0 | 1004.1 |
| 02/23/2022 | 14:30:00 - 14:45:00 | 5 | 8 | 8 | 15 | 6 | 3.1 | 1.7 | -4.7 | 71.1 | 1004.3 |
| 02/23/2022 | 14:45:00 - 15:00:00 | 5 | 7 | 7 | 12 | 5 | 3.0 | 2.3 | -4.7 | 71.3 | 1004.5 |
| 02/23/2022 | 15:00:00 - 15:15:00 | 4 | 7 | 7 | 16 | 6 | 3.0 | 22.4 | -4.8 | 71.1 | 1003.9 |
| 02/23/2022 | 15:15:00 - 15:30:00 | 4 | 7 | 7 | 15 | 6 | 3.4 | 10.8 | -4.9 | 71.5 | 1004.2 |
| 02/23/2022 | 15:30:00 - 15:45:00 | 5 | 8 | 8 | 13 | 6 | 2.8 | 4.7 | -4.8 | 72.0 | 1004.3 |
| 02/23/2022 | 15:45:00 - 16:00:00 | 4 | 8 | 8 | 14 | 6 | 2.9 | 13.9 | -4.7 | 71.8 | 1003.9 |
| 02/23/2022 | 16:00:00 - 16:15:00 | 4 | 7 | 7 | 15 | 6 | 3.3 | 20.7 | -4.9 | 72.1 | 1003.5 |
| 02/23/2022 | 16:15:00 - 16:30:00 | 4 | 7 | 7 | 15 | 5 | 3.3 | 22.4 | -5.0 | 71.2 | 1003.5 |
| 02/23/2022 | 16:30:00 - 16:45:00 | 4 | 8 | 8 | 15 | 6 | 3.2 | 18.1 | -4.9 | 71.1 | 1003.9 |
| 02/23/2022 | 16:45:00 - 17:00:00 | 4 | 7 | 7 | 14 | 5 | 2.8 | 1.0 | -4.8 | 70.7 | 1004.7 |
| 02/23/2022 | 17:00:00 - 17:15:00 | 4 | 7 | 7 | 18 | 5 | 2.8 | 15.0 | -4.8 | 70.1 | 1004.8 |
| 02/23/2022 | 17:15:00 - 17:30:00 | 4 | 7 | 7 | 18 | 5 | 2.8 | 25.7 | -4.9 | 70.8 | 1004.8 |
| 02/23/2022 | 17:30:00 - 17:45:00 | 4 | 7 | 7 | 13 | 5 | 2.5 | 5.9 | -4.7 | 70.9 | 1004.7 |
| 02/23/2022 | 17:45:00 - 18:00:00 | 4 | 7 | 7 | 16 | 5 | 2.9 | 16.3 | -4.7 | 70.4 | 1004.5 |
| 02/23/2022 | 18:00:00 - 18:15:00 | 4 | 7 | 7 | 16 | 6 | 2.7 | 6.7 | -4.7 | 70.8 | 1004.4 |
| 02/23/2022 | 18:15:00 - 18:30:00 | 5 | 8 | 8 | 20 | 6 | 2.7 | 25.7 | -4.8 | 71.2 | 1004.3 |
| 02/23/2022 | 18:30:00 - 18:45:00 | 5 | 8 | 8 | 24 | 6 | 2.9 | 23.6 | -4.7 | 72.2 | 1004.3 |
| 02/23/2022 | 18:45:00 - 19:00:00 | 5 | 8 | 8 | 22 | 7 | 3.5 | 22.3 | -4.7 | 72.5 | 1004.4 |
| 02/23/2022 | 19:00:00 - 19:15:00 | 5 | 9 | 9 | 24 | 6 | 4.6 | 29.5 | -4.8 | 72.6 | 1004.1 |
| 02/23/2022 | 19:15:00 - 19:30:00 | 6 | 9 | 9 | 25 | 6 | 5.0 | 32.1 | -4.7 | 72.9 | 1003.7 |
| 02/23/2022 | 19:30:00 - 19:45:00 | 8 | 12 | 12 | 28 | 9 | 4.3 | 44.4 | -4.7 | 75.0 | 1003.5 |
| 02/23/2022 | 19:45:00 - 20:00:00 | 10 | 14 | 14 | 31 | 11 | 5.5 | 49.5 | -4.9 | 76.9 | 1003.2 |
| 02/23/2022 | 20:00:00 - 20:15:00 | 9 | 12 | 12 | 29 | 10 | 6.4 | 52.0 | -4.9 | 74.4 | 1003.1 |
| 02/23/2022 | 20:15:00 - 20:30:00 | 8 | 11 | 12 | 23 | 9 | 6.5 | 69.4 | -5.0 | 74.4 | 1002.9 |
| 02/23/2022 | 20:30:00 - 20:45:00 | 6 | 10 | 10 | 21 | 7 | 5.8 | 46.8 | -4.9 | 75.2 | 1003.0 |
| 02/23/2022 | 20:45:00 - 21:00:00 | 6 | 10 | 10 | 19 | 7 | 4.6 | 63.5 | -4.8 | 76.5 | 1002.9 |
| 02/23/2022 | 21:00:00 - 21:15:00 | 6 | 10 | 10 | 20 | 8 | 5.3 | 61.9 | -5.0 | 79.1 | 1002.8 |
| 02/23/2022 | 21:15:00 - 21:30:00 | 7 | 10 | 10 | 22 | 7 | 5.5 | 66.3 | -5.0 | 81.1 | 1002.6 |
| 02/23/2022 | 21:30:00 - 21:45:00 | 6 | 10 | 10 | 20 | 7 | 5.5 | 75.5 | -5.1 | 82.9 | 1002.5 |
| 02/23/2022 | 21:45:00 - 22:00:00 | 6 | 9 | 9 | 20 | 7 | 4.2 | 57.2 | -5.1 | 83.5 | 1002.3 |
| 02/23/2022 | 22:00:00 - 22:15:00 | 7 | 11 | 9 | 22 | 7 | 3.8 | 49.9 | -5.0 | 83.4 | 1002.2 |
| 02/23/2022 | 22:15:00 - 22:30:00 | 12 | 21 | 23 | 28 | 13 | 3.9 | 53.3 | -5.0 | 83.1 | 1002.2 |
| 02/23/2022 | 22:30:00 - 22:45:00 | 8 | 10 | 10 | 23 | 7 | 3.8 | 43.1 | -5.0 | 82.9 | 1002.5 |
| 02/23/2022 | 22:45:00 - 23:00:00 | 6 | 9 | 9 | 21 | 7 | 3.6 | 48.9 | -5.0 | 83.1 | 1002.5 |
| 02/23/2022 | 23:00:00 - 23:15:00 | 6 | 9 | 9 | 24 | 7 | 3.3 | 33.9 | -4.9 | 83.2 | 1002.4 |
| 02/23/2022 | 23:15:00 - 23:30:00 | 7 | 10 | 10 | 25 | 8 | 3.8 | 34.0 | -5.0 | 84.1 | 1002.4 |
| 02/23/2022 | 23:30:00 - 23:45:00 | 7 | 10 | 10 | 26 | 8 | 3.4 | 50.1 | -5.1 | 85.9 | 1002.4 |
| 02/24/2022 | 23:45:00 - 00:00:00 | 7 | 11 | 11 | 26 | 8 | 3.5 | 48.4 | -5.2 | 88.2 | 1002.3 |
| 02/24/2022 | 00:00:00 - 00:15:00 | 8 | 11 | 11 | 32 | 9 | 2.7 | 36.0 | -5.2 | 90.5 | 1002.3 |
| 02/24/2022 | 00:15:00 - 00:30:00 | 8 | 12 | 12 | 29 | 9 | 3.3 | 41.7 | -5.2 | 91.6 | 1002.3 |
| 02/24/2022 | 00:30:00 - 00:45:00 | 7 | 11 | 11 | 30 | 8 | 4.3 | 46.1 | -5.3 | 92.0 | 1002.0 |
| 02/24/2022 | 00:45:00 - 01:00:00 | 7 | 10 | 10 | 30 | 8 | 3.3 | 29.1 | -5.1 | 91.4 | 1001.9 |
| 02/24/2022 | 01:00:00 - 01:15:00 | 8 | 12 | 12 | 32 | 10 | 2.0 | 20.0 | -5.0 | 92.0 | 1002.0 |
| 02/24/2022 | 01:15:00 - 01:30:00 | 8 | 11 | 11 | 33 | 10 | 2.6 | 21.3 | -5.0 | 92.9 | 1001.8 |
| 02/24/2022 | 01:30:00 - 01:45:00 | 8 | 11 | 11 | 32 | 9 | 2.7 | 27.1 | -5.0 | 93.2 | 1001.7 |
| 02/24/2022 | 01:45:00 - 02:00:00 | 9 | 11 | 11 | 31 | 9 | 3.5 | 32.3 | -5.0 | 93.9 | 1001.6 |
| 02/24/2022 | 02:00:00 - 02:15:00 | 7 | 11 | 11 | 31 | 9 | 2.3 | 20.6 | -5.0 | 93.9 | 1001.7 |
| 02/24/2022 | 02:15:00 - 02:30:00 | 8 | 11 | 11 | 33 | 9 | 2.4 | 28.2 | -5.0 | 93.5 | 1001.4 |
| 02/24/2022 | 02:30:00 - 02:45:00 | 7 | 11 | 11 | 30 | 8 | 3.8 | 39.8 | -5.0 | 93.0 | 1001.0 |
| 02/24/2022 | 02:45:00 - 03:00:00 | 8 | 12 | 11 | 33 | 9 | 2.3 | 27.1 | -4.9 | 93.6 | 1001.0 |
| 02/24/2022 | 03:00:00 - 03:15:00 | 8 | 12 | 12 | 33 | 10 | 2.5 | 29.7 | -4.9 | 93.7 | 1000.9 |
| 02/24/2022 | 03:15:00 - 03:30:00 | 8 | 12 | 12 | 33 | 9 | 3.7 | 31.1 | -4.9 | 94.0 | 1000.7 |
| 02/24/2022 | 03:30:00 - 03:45:00 | 8 | 12 | 12 | 36 | 10 | 3.4 | 24.7 | -4.9 | 94.0 | 1000.6 |
| 02/24/2022 | 03:45:00 - 04:00:00 | 8 | 11 | 11 | 34 | 9 | 3.2 | 29.0 | -4.9 | 94.4 | 1000.6 |
| 02/24/2022 | 04:00:00 - 04:15:00 | 7 | 11 | 11 | 32 | 9 | 4.1 | 33.0 | -4.8 | 94.8 | 1000.7 |
| 02/24/2022 | 04:15:00 - 04:30:00 | 7 | 11 | 11 | 31 | 9 | 3.2 | 31.0 | -4.7 | 94.8 | 1000.7 |
| 02/24/2022 | 04:30:00 - 04:45:00 | 7 | 10 | 10 | 28 | 8 | 3.5 | 38.2 | -4.6 | 94.1 | 1000.8 |
| 02/24/2022 | 04:45:00 - 05:00:00 | 6 | 9 | 10 | 27 | 7 | 3.5 | 33.8 | -4.5 | 94.0 | 1000.9 |
| 02/24/2022 | 05:00:00 - 05:15:00 | 5 | 8 | 8 | 28 | 6 | 4.3 | 39.9 | -4.5 | 93.9 | 1000.7 |
| 02/24/2022 | 05:15:00 - 05:30:00 | 4 | 6 | 6 | 20 | 4 | 5.5 | 40.3 | -4.5 | 92.4 | 1000.6 |
| 02/24/2022 | 05:30:00 - 05:45:00 | 10 | 13 | 12 | 35 | 10 | 3.8 | 25.7 | -4.5 | 91.8 | 1000.5 |
| 02/24/2022 | 05:45:00 - 06:00:00 | 11 | 15 | 15 | 35 | 13 | 3.6 | 23.9 | -4.6 | 92.0 | 1000.4 |
| 02/24/2022 | 06:00:00 - 06:15:00 | 11 | 15 | 15 | 35 | 12 | 3.7 | 26.5 | -4.7 | 92.2 | 1000.1 |
| 02/24/2022 | 06:15:00 - 06:30:00 | 11 | 15 | 15 | 34 | 12 | 4.3 | 35.3 | -4.6 | 92.0 | 999.8 |
| 02/24/2022 | 06:30:00 - 06:45:00 | 11 | 14 | 14 | 33 | 11 | 3.9 | 39.2 | -4.5 | 92.0 | 999.5 |
| 02/24/2022 | 06:45:00 - 07:00:00 | 6 | 9 | 9 | 20 | 7 | 5.2 | 48.5 | -4.3 | 90.0 | 999.3 |
| 02/24/2022 | 07:00:00 - 07:15:00 | 4 | 7 | 7 | 14 | 4 | 5.2 | 55.6 | -4.2 | 88.1 | 999.3 |
| 02/24/2022 | 07:15:00 - 07:30:00 | 3 | 6 | 7 | 12 | 4 | 6.2 | 59.3 | -4.1 | 86.1 | 999.3 |
| 02/24/2022 | 07:30:00 - 07:45:00 | 3 | 7 | 7 | 12 | 4 | 5.8 | 63.6 | -4.0 | 85.4 | 999.3 |
| 02/24/2022 | 07:45:00 - 08:00:00 | 7 | 7 | 7 | 15 | 9 | 5.4 | 64.9 | -3.9 | 85.8 | 999.4 |
| 02/24/2022 | 08:00:00 - 08:15:00 | 4 | 8 | 8 | 15 | 6 | 7.1 | 71.7 | -3.7 | 86.0 | 999.4 |
| 02/24/2022 | 08:15:00 - 08:30:00 | 6 | 10 | 10 | 18 | 7 | 8.0 | 81.4 | -3.6 | 86.2 | 999.1 |
| 02/24/2022 | 08:30:00 - 08:45:00 | 7 | 10 | 10 | 20 | 8 | 7.1 | 75.0 | -3.5 | 86.1 | 999.3 |
| 02/24/2022 | 08:45:00 - 09:00:00 | 7 | 10 | 10 | 19 | 8 | 8.5 | 82.6 | -3.4 | 86.1 | 999.3 |
| 02/24/2022 | 09:00:00 - 09:15:00 | 7 | 11 | 11 | 20 | 8 | 6.7 | 76.3 | -3.2 | 86.2 | 998.9 |
| 02/24/2022 | 09:15:00 - 09:30:00 | 7 | 11 | 11 | 20 | 8 | 7.3 | 78.8 | -3.2 | 86.0 | 999.0 |
| 02/24/2022 | 09:30:00 - 09:45:00 | 8 | 12 | 11 | 22 | 9 | 5.3 | 83.9 | -3.0 | 86.1 | 999.2 |
| 02/24/2022 | 09:45:00 - 10:00:00 | 8 | 12 | 12 | 24 | 9 | 5.7 | 85.3 | -2.8 | 85.9 | 999.3 |
| 02/24/2022 | 10:00:00 - 10:15:00 | 9 | 12 | 12 | 23 | 10 | 5.8 | 90.7 | -2.8 | 86.1 | 999.6 |
| 02/24/2022 | 10:15:00 - 10:30:00 | 9 | 12 | 12 | 24 | 10 | 4.9 | 94.2 | -2.8 | 86.9 | 999.9 |
| 02/24/2022 | 10:30:00 - 10:45:00 | 9 | 13 | 13 | 25 | 10 | 4.3 | 77.5 | -2.7 | 88.7 | 999.8 |
| 02/24/2022 | 10:45:00 - 11:00:00 | 10 | 13 | 13 | 27 | 11 | 4.7 | 73.0 | -2.8 | 90.4 | 999.2 |
| 02/24/2022 | 11:00:00 - 11:15:00 | 10 | 14 | 14 | 28 | 11 | 6.1 | 75.4 | -2.8 | 91.3 | 998.0 |
| 02/24/2022 | 11:15:00 - 11:30:00 | 10 | 14 | 14 | 26 | 11 | 7.8 | 84.8 | -2.6 | 90.6 | 996.8 |
| 02/24/2022 | 11:30:00 - 11:45:00 | 10 | 14 | 14 | 27 | 11 | 7.1 | 86.6 | -2.4 | 89.4 | 996.5 |
| 02/24/2022 | 11:45:00 - 12:00:00 | 11 | 14 | 14 | 29 | 12 | 6.7 | 82.8 | -2.4 | 87.9 | 996.7 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 02/24/2022 | 12:00:00 - 12:15:00 | 11 | 14 | 14 | 31 | 12 | 7.2 | 69.0 | -2.3 | 88.0 | 994.3 |
| 02/24/2022 | 12:15:00 - 12:30:00 | 11 | 15 | 15 | 32 | 12 | 3.5 | 67.4 | -2.2 | 87.5 | 996.1 |
| 02/24/2022 | 12:30:00 - 12:45:00 | 12 | 15 | 15 | 30 | 13 | 4.6 | 87.5 | -2.2 | 87.5 | 996.7 |
| 02/24/2022 | 12:45:00 - 13:00:00 | 12 | 16 | 16 | 32 | 13 | 4.6 | 73.3 | -2.3 | 88.5 | 995.4 |
| 02/24/2022 | 13:00:00 - 13:15:00 | 12 | 16 | 16 | 32 | 13 | 5.4 | 88.6 | -2.4 | 90.8 | 995.0 |
| 02/24/2022 | 13:15:00 - 13:30:00 | 12 | 16 | 16 | 31 | 13 | 5.8 | 92.0 | -2.4 | 91.0 | 994.7 |
| 02/24/2022 | 13:30:00 - 13:45:00 | 12 | 16 | 16 | 33 | 13 | 6.0 | 88.7 | -2.6 | 93.1 | 994.5 |
| 02/24/2022 | 13:45:00 - 14:00:00 | 13 | 17 | 17 | 33 | 14 | 2.3 | 98.7 | -2.6 | 94.0 | 995.9 |
| 02/24/2022 | 14:00:00 - 14:15:00 | 13 | 17 | 17 | 46 | 14 | 2.8 | 61.7 | -2.4 | 94.0 | 995.3 |
| 02/24/2022 | 14:15:00 - 14:30:00 | 13 | 17 | 17 | 40 | 14 | 2.9 | 59.1 | -2.5 | 94.2 | 995.3 |
| 02/24/2022 | 14:30:00 - 14:45:00 | 13 | 16 | 16 | 43 | 14 | 3.9 | 41.1 | -2.5 | 95.4 | 995.1 |
| 02/24/2022 | 14:45:00 - 15:00:00 | 12 | 15 | 15 | 39 | 13 | 4.6 | 65.3 | -2.6 | 96.8 | 994.7 |
| 02/24/2022 | 15:00:00 - 15:15:00 | 11 | 14 | 14 | 39 | 12 | 4.4 | 60.9 | -2.7 | 97.7 | 994.3 |
| 02/24/2022 | 15:15:00 - 15:30:00 | 11 | 14 | 14 | 37 | 11 | 4.9 | 48.3 | -2.7 | 98.0 | 993.7 |
| 02/24/2022 | 15:30:00 - 15:45:00 | 10 | 13 | 13 | 34 | 11 | 5.9 | 46.4 | -2.7 | 98.0 | 992.9 |
| 02/24/2022 | 15:45:00 - 16:00:00 | 10 | 13 | 13 | 34 | 11 | 4.8 | 48.6 | -2.6 | 98.3 | 992.7 |
| 02/24/2022 | 16:00:00 - 16:15:00 | 9 | 13 | 13 | 37 | 10 | 3.9 | 50.2 | -2.6 | 98.5 | 993.2 |
| 02/24/2022 | 16:15:00 - 16:30:00 | 13 | 16 | 16 | 30 | 12 | 4.5 | 48.6 | -2.8 | 98.2 | 993.3 |
| 02/24/2022 | 16:30:00 - 16:45:00 | 14 | 12 | 12 | 33 | 11 | 5.0 | 44.5 | -2.7 | 98.4 | 993.3 |
| 02/24/2022 | 16:45:00 - 17:00:00 | 11 | 13 | 13 | 32 | 11 | 4.8 | 59.5 | -2.8 | 98.2 | 993.1 |
| 02/24/2022 | 17:00:00 - 17:15:00 | 10 | 15 | 15 | 33 | 11 | 4.8 | 60.2 | -2.9 | 98.6 | 993.1 |
| 02/24/2022 | 17:15:00 - 17:30:00 | 9 | 12 | 13 | 31 | 10 | 5.4 | 68.0 | -3.0 | 98.3 | 993.0 |
| 02/24/2022 | 17:30:00 - 17:45:00 | 8 | 12 | 12 | 31 | 9 | 5.3 | 68.2 | -3.0 | 98.8 | 993.0 |
| 02/24/2022 | 17:45:00 - 18:00:00 | 8 | 12 | 12 | 29 | 9 | 4.8 | 74.3 | -3.0 | 99.0 | 992.8 |
| 02/24/2022 | 18:00:00 - 18:15:00 | 8 | 12 | 12 | 25 | 9 | 6.9 | 75.6 | -3.0 | 99.0 | 992.5 |
| 02/24/2022 | 18:15:00 - 18:30:00 | 8 | 11 | 11 | 28 | 9 | 4.9 | 75.7 | -3.0 | 99.0 | 992.6 |
| 02/24/2022 | 18:30:00 - 18:45:00 | 8 | 11 | 11 | 27 | 8 | 5.5 | 77.7 | -3.1 | 99.0 | 992.5 |
| 02/24/2022 | 18:45:00 - 19:00:00 | 8 | 11 | 11 | 24 | 8 | 5.5 | 75.0 | -3.1 | 99.0 | 992.6 |
| 02/24/2022 | 19:00:00 - 19:15:00 | 8 | 11 | 11 | 26 | 8 | 4.9 | 80.6 | -3.1 | 99.0 | 992.3 |
| 02/24/2022 | 19:15:00 - 19:30:00 | 7 | 10 | 10 | 25 | 8 | 4.5 | 80.3 | -3.0 | 99.0 | 992.1 |
| 02/24/2022 | 19:30:00 - 19:45:00 | 7 | 10 | 10 | 24 | 7 | 6.0 | 65.3 | -3.1 | 99.0 | 992.1 |
| 02/24/2022 | 19:45:00 - 20:00:00 | 7 | 10 | 10 | 23 | 7 | 6.0 | 73.0 | -3.1 | 99.0 | 992.1 |
| 02/24/2022 | 20:00:00 - 20:15:00 | 6 | 10 | 10 | 26 | 7 | 7.1 | 73.9 | -3.1 | 99.0 | 991.8 |
| 02/24/2022 | 20:15:00 - 20:30:00 | 6 | 9 | 9 | 21 | 7 | 6.4 | 70.1 | -3.0 | 99.0 | 991.6 |
| 02/24/2022 | 20:30:00 - 20:45:00 | 6 | 9 | 9 | 22 | 6 | 6.2 | 64.5 | -3.0 | 99.0 | 991.7 |
| 02/24/2022 | 20:45:00 - 21:00:00 | 5 | 8 | 8 | 25 | 6 | 5.4 | 65.4 | -3.0 | 99.0 | 991.8 |
| 02/24/2022 | 21:00:00 - 21:15:00 | 5 | 8 | 8 | 21 | 6 | 5.9 | 22.8 | -3.0 | 99.0 | 991.7 |
| 02/24/2022 | 21:15:00 - 21:30:00 | 8 | 14 | 13 | 21 | 10 | 44.5 | 324.7 | -3.0 | 99.0 | 991.7 |
| 02/24/2022 | 21:30:00 - 21:45:00 | 5 | 10 | 10 | 21 | 6 | 43.6 | 325.1 | -3.0 | 99.0 | 991.5 |
| 02/24/2022 | 21:45:00 - 22:00:00 | 6 | 9 | 9 | 28 | 6 | 45.1 | 323.6 | -3.0 | 99.0 | 991.4 |
| 02/24/2022 | 22:00:00 - 22:15:00 | 6 | 8 | 9 | 21 | 7 | 45.0 | 322.3 | -2.9 | 99.0 | 991.4 |
| 02/24/2022 | 22:15:00 - 22:30:00 | 6 | 9 | 9 | 25 | 6 | 44.8 | 322.3 | -2.9 | 99.0 | 991.5 |
| 02/24/2022 | 22:30:00 - 22:45:00 | 6 | 9 | 9 | 17 | 6 | 45.2 | 321.1 | -2.8 | 99.0 | 991.6 |
| 02/24/2022 | 22:45:00 - 23:00:00 | 6 | 10 | 10 | 17 | 6 | 45.7 | 321.1 | -2.7 | 99.0 | 991.7 |
| 02/24/2022 | 23:00:00 - 23:15:00 | 6 | 9 | 9 | 16 | 6 | 45.6 | 321.0 | -2.7 | 99.0 | 991.7 |
| 02/24/2022 | 23:15:00 - 23:30:00 | 6 | 10 | 10 | 18 | 7 | 45.8 | 320.7 | -2.6 | 99.0 | 991.6 |
| 02/24/2022 | 23:30:00 - 23:45:00 | 5 | 9 | 9 | 16 | 6 | 46.5 | 320.7 | -2.8 | 99.0 | 991.9 |
| 02/25/2022 | 23:45:00 - 00:00:00 | 6 | 10 | 10 | 21 | 7 | 45.7 | 320.7 | -2.7 | 99.0 | 991.5 |
| 02/25/2022 | 00:00:00 - 00:15:00 | 6 | 11 | 11 | 17 | 7 | 46.2 | 319.4 | -2.8 | 99.0 | 991.9 |
| 02/25/2022 | 00:15:00 - 00:30:00 | 6 | 11 | 11 | 18 | 7 | 47.4 | 318.9 | -2.8 | 99.0 | 992.4 |
| 02/25/2022 | 00:30:00 - 00:45:00 | 6 | 11 | 11 | 16 | 6 | 46.7 | 319.7 | -2.9 | 99.0 | 992.5 |
| 02/25/2022 | 00:45:00 - 01:00:00 | 5 | 10 | 11 | 15 | 6 | 47.5 | 319.0 | -3.0 | 99.0 | 992.6 |
| 02/25/2022 | 01:00:00 - 01:15:00 | 6 | 10 | 10 | 17 | 7 | 47.2 | 319.7 | -3.1 | 99.0 | 992.9 |
| 02/25/2022 | 01:15:00 - 01:30:00 | 7 | 11 | 11 | 19 | 8 | 48.3 | 319.2 | -3.2 | 99.0 | 992.9 |
| 02/25/2022 | 01:30:00 - 01:45:00 | 7 | 12 | 12 | 20 | 8 | 48.3 | 319.1 | -3.3 | 99.0 | 993.1 |
| 02/25/2022 | 01:45:00 - 02:00:00 | 8 | 11 | 12 | 20 | 8 | 48.0 | 319.0 | -3.3 | 99.0 | 993.4 |
| 02/25/2022 | 02:00:00 - 02:15:00 | 6 | 11 | 11 | 18 | 7 | 48.1 | 318.6 | -3.3 | 98.5 | 993.5 |
| 02/25/2022 | 02:15:00 - 02:30:00 | 6 | 11 | 10 | 17 | 7 | 48.4 | 318.7 | -3.3 | 98.0 | 993.7 |
| 02/25/2022 | 02:30:00 - 02:45:00 | 5 | 9 | 10 | 14 | 6 | 47.9 | 318.6 | -3.3 | 98.0 | 993.9 |
| 02/25/2022 | 02:45:00 - 03:00:00 | 4 | 9 | 9 | 12 | 5 | 48.4 | 318.6 | -3.3 | 97.0 | 994.1 |
| 02/25/2022 | 03:00:00 - 03:15:00 | 4 | 10 | 10 | 13 | 5 | 47.7 | 318.0 | -3.3 | 97.0 | 994.5 |
| 02/25/2022 | 03:15:00 - 03:30:00 | 4 | 9 | 10 | 13 | 5 | 48.6 | 318.8 | -3.3 | 97.0 | 994.7 |
| 02/25/2022 | 03:30:00 - 03:45:00 | 5 | 11 | 10 | 15 | 6 | 48.2 | 318.9 | -3.2 | 97.0 | 995.1 |
| 02/25/2022 | 03:45:00 - 04:00:00 | 7 | 13 | 12 | 20 | 8 | 48.6 | 318.6 | -3.2 | 96.6 | 995.5 |
| 02/25/2022 | 04:00:00 - 04:15:00 | 12 | 18 | 17 | 31 | 13 | 48.9 | 318.4 | -3.4 | 96.0 | 995.8 |
| 02/25/2022 | 04:15:00 - 04:30:00 | 15 | 20 | 20 | 38 | 16 | 48.1 | 318.4 | -3.5 | 96.0 | 996.2 |
| 02/25/2022 | 04:30:00 - 04:45:00 | 16 | 21 | 21 | 40 | 17 | 48.8 | 318.7 | -3.6 | 95.9 | 996.8 |
| 02/25/2022 | 04:45:00 - 05:00:00 | 14 | 19 | 20 | 36 | 15 | 49.6 | 319.7 | -3.8 | 95.0 | 997.4 |
| 02/25/2022 | 05:00:00 - 05:15:00 | 13 | 17 | 17 | 33 | 13 | 48.3 | 319.7 | -4.2 | 95.0 | 997.7 |
| 02/25/2022 | 05:15:00 - 05:30:00 | 12 | 19 | 19 | 32 | 13 | 48.3 | 319.2 | -4.3 | 95.0 | 998.1 |
| 02/25/2022 | 05:30:00 - 05:45:00 | 11 | 15 | 16 | 28 | 12 | 48.1 | 318.1 | -4.5 | 95.0 | 998.5 |
| 02/25/2022 | 05:45:00 - 06:00:00 | 11 | 15 | 15 | 28 | 12 | 48.7 | 318.7 | -4.6 | 94.8 | 999.1 |
| 02/25/2022 | 06:00:00 - 06:15:00 | 12 | 17 | 16 | 31 | 13 | 48.5 | 318.6 | -4.6 | 95.0 | 999.5 |
| 02/25/2022 | 06:15:00 - 06:30:00 | 12 | 18 | 18 | 31 | 13 | 48.0 | 317.7 | -4.6 | 94.5 | 999.7 |
| 02/25/2022 | 06:30:00 - 06:45:00 | 11 | 15 | 15 | 28 | 12 | 48.6 | 318.8 | -4.6 | 94.0 | 1000.1 |
| 02/25/2022 | 06:45:00 - 07:00:00 | 9 | 14 | 14 | 25 | 10 | 49.1 | 317.6 | -4.8 | 94.0 | 1000.3 |
| 02/25/2022 | 07:00:00 - 07:15:00 | 10 | 13 | 13 | 23 | 9 | 49.0 | 317.3 | -4.9 | 93.1 | 1000.6 |
| 02/25/2022 | 07:15:00 - 07:30:00 | 10 | 12 | 12 | 21 | 9 | 48.2 | 317.0 | -5.0 | 93.0 | 1000.8 |
| 02/25/2022 | 07:30:00 - 07:45:00 | 9 | 12 | 12 | 21 | 9 | 47.1 | 317.2 | -5.0 | 93.0 | 1001.1 |
| 02/25/2022 | 07:45:00 - 08:00:00 | 8 | 11 | 12 | 21 | 8 | 47.6 | 316.9 | -4.8 | 92.3 | 1001.5 |
| 02/25/2022 | 08:00:00 - 08:15:00 | 7 | 10 | 10 | 18 | 7 | 47.1 | 317.3 | -4.8 | 90.8 | 1001.9 |
| 02/25/2022 | 08:15:00 - 08:30:00 | 6 | 10 | 10 | 16 | 7 | 48.1 | 317.0 | -4.8 | 90.1 | 1002.3 |
| 02/25/2022 | 08:30:00 - 08:45:00 | 5 | 9 | 9 | 14 | 6 | 48.8 | 317.6 | -4.9 | 89.7 | 1002.5 |
| 02/25/2022 | 08:45:00 - 09:00:00 | 6 | 9 | 9 | 15 | 6 | 48.6 | 318.9 | -5.2 | 89.8 | 1002.6 |
| 02/25/2022 | 09:00:00 - 09:15:00 | 6 | 9 | 9 | 15 | 6 | 48.6 | 317.4 | -5.3 | 89.3 | 1002.8 |
| 02/25/2022 | 09:15:00 - 09:30:00 | 6 | 9 | 9 | 15 | 6 | 48.3 | 317.7 | -5.2 | 89.4 | 1003.0 |
| 02/25/2022 | 09:30:00 - 09:45:00 | 7 | 9 | 9 | 15 | 6 | 48.1 | 317.4 | -4.8 | 87.5 | 1003.3 |
| 02/25/2022 | 09:45:00 - 10:00:00 | 6 | 9 | 9 | 15 | 6 | 48.6 | 317.0 | -4.5 | 86.2 | 1003.5 |
| 02/25/2022 | 10:00:00 - 10:15:00 | 6 | 9 | 9 | 15 | 6 | 47.9 | 317.0 | -4.7 | 87.4 | 1003.6 |
| 02/25/2022 | 10:15:00 - 10:30:00 | 5 | 8 | 8 | 14 | 6 | 48.9 | 318.3 | -5.0 | 87.6 | 1004.0 |
| 02/25/2022 | 10:30:00 - 10:45:00 | 5 | 8 | 8 | 14 | 5 | 48.3 | 317.0 | -5.2 | 87.8 | 1004.2 |
| 02/25/2022 | 10:45:00 - 11:00:00 | 6 | 8 | 8 | 14 | 6 | 47.9 | 317.6 | -5.0 | 87.6 | 1004.5 |
| 02/25/2022 | 11:00:00 - 11:15:00 | 5 | 9 | 9 | 15 | 6 | 44.5 | 317.3 | -5.0 | 87.2 | 1004.7 |
| 02/25/2022 | 11:15:00 - 11:30:00 | 6 | 9 | 9 | 15 | 6 | 3.6 | 301.1 | -4.9 | 87.2 | 1005.0 |
| 02/25/2022 | 11:30:00 - 11:45:00 | 5 | 9 | 9 | 14 | 5 | 4.0 | 306.5 | -4.8 | 86.6 | 1004.9 |
| 02/25/2022 | 11:45:00 - 12:00:00 | 6 | 9 | 9 | 15 | 6 | 2.9 | 326.6 | -4.4 | 86.4 | 1004.8 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 02/25/2022 | 12:00:00 - 12:15:00 | 6 | 10 | 10 | 17 | 6 | 3.8 | 317.4 | -4.4 | 86.2 | 1004.7 |
| 02/25/2022 | 12:15:00 - 12:30:00 | 7 | 10 | 10 | 17 | 7 | 3.0 | 318.2 | -4.4 | 87.2 | 1004.9 |
| 02/25/2022 | 12:30:00 - 12:45:00 | 7 | 10 | 10 | 17 | 6 | 4.0 | 313.8 | -4.2 | 86.0 | 1004.9 |
| 02/25/2022 | 12:45:00 - 13:00:00 | 7 | 10 | 10 | 17 | 7 | 3.7 | 315.9 | -4.3 | 85.8 | 1004.9 |
| 02/25/2022 | 13:00:00 - 13:15:00 | 7 | 10 | 10 | 18 | 7 | 3.5 | 316.5 | -4.2 | 85.7 | 1004.9 |
| 02/25/2022 | 13:15:00 - 13:30:00 | 7 | 10 | 10 | 18 | 7 | 2.3 | 316.1 | -3.9 | 85.6 | 1004.9 |
| 02/25/2022 | 13:30:00 - 13:45:00 | 8 | 10 | 10 | 18 | 7 | 3.3 | 318.4 | -3.9 | 85.4 | 1004.9 |
| 02/25/2022 | 13:45:00 - 14:00:00 | 8 | 11 | 11 | 18 | 7 | 2.4 | 320.2 | -3.7 | 85.0 | 1004.9 |
| 02/25/2022 | 14:00:00 - 14:15:00 | 7 | 10 | 10 | 18 | 7 | 1.9 | 297.7 | -3.6 | 84.7 | 1005.1 |
| 02/25/2022 | 14:15:00 - 14:30:00 | 7 | 11 | 11 | 17 | 7 | 2.7 | 298.7 | -3.8 | 84.3 | 1005.1 |
| 02/25/2022 | 14:30:00 - 14:45:00 | 7 | 10 | 10 | 18 | 7 | 1.8 | 309.9 | -3.7 | 84.7 | 1005.3 |
| 02/25/2022 | 14:45:00 - 15:00:00 | 7 | 11 | 11 | 19 | 7 | 2.1 | 319.4 | -3.6 | 84.9 | 1005.3 |
| 02/25/2022 | 15:00:00 - 15:15:00 | 7 | 11 | 10 | 19 | 7 | 2.4 | 313.6 | -3.6 | 84.6 | 1005.4 |
| 02/25/2022 | 15:15:00 - 15:30:00 | 7 | 11 | 11 | 18 | 7 | 2.7 | 301.8 | -3.7 | 84.0 | 1005.4 |
| 02/25/2022 | 15:30:00 - 15:45:00 | 8 | 11 | 11 | 19 | 8 | 2.2 | 313.5 | -3.6 | 84.6 | 1005.5 |
| 02/25/2022 | 15:45:00 - 16:00:00 | 7 | 11 | 11 | 19 | 8 | 2.2 | 307.4 | -3.7 | 84.4 | 1005.6 |
| 02/25/2022 | 16:00:00 - 16:15:00 | 7 | 11 | 11 | 19 | 7 | 2.6 | 301.4 | -3.8 | 83.7 | 1005.7 |
| 02/25/2022 | 16:15:00 - 16:30:00 | 7 | 10 | 11 | 18 | 7 | 2.5 | 317.0 | -3.6 | 83.4 | 1005.8 |
| 02/25/2022 | 16:30:00 - 16:45:00 | 7 | 11 | 10 | 19 | 7 | 2.2 | 319.4 | -3.7 | 83.5 | 1005.9 |
| 02/25/2022 | 16:45:00 - 17:00:00 | 7 | 11 | 11 | 19 | 7 | 1.9 | 316.0 | -3.6 | 84.3 | 1006.0 |
| 02/25/2022 | 17:00:00 - 17:15:00 | 7 | 12 | 11 | 19 | 8 | 1.3 | 305.2 | -3.8 | 84.2 | 1006.0 |
| 02/25/2022 | 17:15:00 - 17:30:00 | 7 | 11 | 11 | 19 | 8 | 1.2 | 320.9 | -3.7 | 84.9 | 1006.1 |
| 02/25/2022 | 17:30:00 - 17:45:00 | 6 | 10 | 10 | 17 | 7 | 0.9 | 324.4 | -3.8 | 85.8 | 1006.3 |
| 02/25/2022 | 17:45:00 - 18:00:00 | 7 | 10 | 10 | 17 | 7 | 0.6 | 312.4 | -3.8 | 85.9 | 1006.4 |
| 02/25/2022 | 18:00:00 - 18:15:00 | 7 | 11 | 11 | 18 | 7 | 1.3 | 305.9 | -3.8 | 85.8 | 1006.4 |
| 02/25/2022 | 18:15:00 - 18:30:00 | 7 | 11 | 11 | 20 | 8 | 1.7 | 297.5 | -4.0 | 87.4 | 1006.3 |
| 02/25/2022 | 18:30:00 - 18:45:00 | 8 | 12 | 12 | 21 | 8 | 1.6 | 308.7 | -4.2 | 88.0 | 1006.4 |
| 02/25/2022 | 18:45:00 - 19:00:00 | 7 | 11 | 12 | 20 | 8 | 1.5 | 289.3 | -4.1 | 87.3 | 1006.6 |
| 02/25/2022 | 19:00:00 - 19:15:00 | 8 | 12 | 11 | 20 | 8 | 1.8 | 289.0 | -4.0 | 85.0 | 1006.8 |
| 02/25/2022 | 19:15:00 - 19:30:00 | 8 | 13 | 12 | 22 | 9 | 2.1 | 294.7 | -4.2 | 84.5 | 1006.9 |
| 02/25/2022 | 19:30:00 - 19:45:00 | 9 | 13 | 13 | 23 | 9 | 2.1 | 277.3 | -4.3 | 85.7 | 1006.9 |
| 02/25/2022 | 19:45:00 - 20:00:00 | 9 | 13 | 13 | 23 | 9 | 1.9 | 280.2 | -4.4 | 86.5 | 1007.0 |
| 02/25/2022 | 20:00:00 - 20:15:00 | 9 | 13 | 13 | 23 | 9 | 2.2 | 299.5 | -4.4 | 86.9 | 1006.8 |
| 02/25/2022 | 20:15:00 - 20:30:00 | 9 | 14 | 14 | 24 | 10 | 2.6 | 299.4 | -4.5 | 87.0 | 1006.8 |
| 02/25/2022 | 20:30:00 - 20:45:00 | 9 | 14 | 14 | 24 | 10 | 2.9 | 300.5 | -4.5 | 86.7 | 1006.8 |
| 02/25/2022 | 20:45:00 - 21:00:00 | 9 | 15 | 14 | 25 | 10 | 2.1 | 297.6 | -4.7 | 86.7 | 1007.0 |
| 02/25/2022 | 21:00:00 - 21:15:00 | 10 | 15 | 15 | 25 | 11 | 2.1 | 297.0 | -4.8 | 87.2 | 1007.2 |
| 02/25/2022 | 21:15:00 - 21:30:00 | 9 | 13 | 14 | 25 | 10 | 2.3 | 304.5 | -4.8 | 87.9 | 1007.3 |
| 02/25/2022 | 21:30:00 - 21:45:00 | 6 | 10 | 10 | 17 | 7 | 2.3 | 324.6 | -4.9 | 85.2 | 1007.3 |
| 02/25/2022 | 21:45:00 - 22:00:00 | 6 | 10 | 10 | 17 | 7 | 2.4 | 326.0 | -4.9 | 83.5 | 1007.3 |
| 02/25/2022 | 22:00:00 - 22:15:00 | 6 | 10 | 10 | 17 | 7 | 2.4 | 320.0 | -5.0 | 82.8 | 1007.3 |
| 02/25/2022 | 22:15:00 - 22:30:00 | 6 | 10 | 10 | 17 | 7 | 1.9 | 325.4 | -5.1 | 83.0 | 1007.2 |
| 02/25/2022 | 22:30:00 - 22:45:00 | 7 | 10 | 11 | 18 | 7 | 1.7 | 309.4 | -5.2 | 82.8 | 1007.3 |
| 02/25/2022 | 22:45:00 - 23:00:00 | 7 | 11 | 11 | 18 | 8 | 1.7 | 315.7 | -5.3 | 82.0 | 1007.3 |
| 02/25/2022 | 23:00:00 - 23:15:00 | 7 | 11 | 11 | 19 | 8 | 1.6 | 306.7 | -5.5 | 83.0 | 1007.3 |
| 02/25/2022 | 23:15:00 - 23:30:00 | 7 | 11 | 11 | 19 | 8 | 2.1 | 304.6 | -5.4 | 83.0 | 1007.4 |
| 02/25/2022 | 23:30:00 - 23:45:00 | 7 | 11 | 11 | 20 | 8 | 1.9 | 316.1 | -5.5 | 83.7 | 1007.3 |
| 02/26/2022 | 23:45:00 - 00:00:00 | 7 | 12 | 12 | 21 | 8 | 2.0 | 312.0 | -5.6 | 84.8 | 1007.3 |
| 02/26/2022 | 00:00:00 - 00:15:00 | 8 | 13 | 12 | 22 | 9 | 1.7 | 304.3 | -5.8 | 85.9 | 1007.1 |
| 02/26/2022 | 00:15:00 - 00:30:00 | 10 | 15 | 14 | 25 | 11 | 1.7 | 307.0 | -6.0 | 88.2 | 1007.0 |
| 02/26/2022 | 00:30:00 - 00:45:00 | 11 | 16 | 16 | 29 | 12 | 1.5 | 311.5 | -6.2 | 90.1 | 1007.2 |
| 02/26/2022 | 00:45:00 - 01:00:00 | 12 | 17 | 17 | 31 | 13 | 1.6 | 311.1 | -6.4 | 91.4 | 1007.2 |
| 02/26/2022 | 01:00:00 - 01:15:00 | 12 | 17 | 17 | 32 | 13 | 1.8 | 302.1 | -6.5 | 90.5 | 1007.2 |
| 02/26/2022 | 01:15:00 - 01:30:00 | 12 | 18 | 18 | 32 | 13 | 1.4 | 313.3 | -6.7 | 89.4 | 1007.4 |
| 02/26/2022 | 01:30:00 - 01:45:00 | 12 | 18 | 18 | 33 | 14 | 1.6 | 308.2 | -6.9 | 89.6 | 1007.3 |
| 02/26/2022 | 01:45:00 - 02:00:00 | 13 | 18 | 18 | 34 | 14 | 1.6 | 315.4 | -7.0 | 89.6 | 1007.3 |
| 02/26/2022 | 02:00:00 - 02:15:00 | 13 | 18 | 18 | 36 | 14 | 2.6 | 305.1 | -7.1 | 89.0 | 1007.2 |
| 02/26/2022 | 02:15:00 - 02:30:00 | 13 | 19 | 19 | 36 | 14 | 2.0 | 309.2 | -7.3 | 89.0 | 1007.1 |
| 02/26/2022 | 02:30:00 - 02:45:00 | 14 | 20 | 19 | 36 | 14 | 2.0 | 309.8 | -7.5 | 89.0 | 1007.0 |
| 02/26/2022 | 02:45:00 - 03:00:00 | 14 | 20 | 20 | 36 | 14 | 2.0 | 306.3 | -7.7 | 90.0 | 1006.9 |
| 02/26/2022 | 03:00:00 - 03:15:00 | 14 | 19 | 19 | 36 | 14 | 2.0 | 311.7 | -7.8 | 90.0 | 1006.8 |
| 02/26/2022 | 03:15:00 - 03:30:00 | 14 | 19 | 19 | 35 | 14 | 1.8 | 313.0 | -8.0 | 90.6 | 1006.9 |
| 02/26/2022 | 03:30:00 - 03:45:00 | 14 | 20 | 20 | 36 | 14 | 1.8 | 324.2 | -8.2 | 91.0 | 1007.0 |
| 02/26/2022 | 03:45:00 - 04:00:00 | 14 | 20 | 20 | 37 | 14 | 1.5 | 326.4 | -8.3 | 91.6 | 1007.0 |
| 02/26/2022 | 04:00:00 - 04:15:00 | 15 | 20 | 20 | 37 | 14 | 1.5 | 344.8 | -8.6 | 91.8 | 1007.2 |
| 02/26/2022 | 04:15:00 - 04:30:00 | 15 | 21 | 20 | 37 | 14 | 1.5 | 331.3 | -8.7 | 92.0 | 1007.2 |
| 02/26/2022 | 04:30:00 - 04:45:00 | 15 | 21 | 21 | 38 | 15 | 1.2 | 334.8 | -8.9 | 92.5 | 1007.2 |
| 02/26/2022 | 04:45:00 - 05:00:00 | 16 | 22 | 22 | 39 | 15 | 1.3 | 325.7 | -9.0 | 93.0 | 1007.3 |
| 02/26/2022 | 05:00:00 - 05:15:00 | 16 | 22 | 22 | 41 | 16 | 0.8 | 333.7 | -9.1 | 93.0 | 1007.4 |
| 02/26/2022 | 05:15:00 - 05:30:00 | 17 | 22 | 22 | 42 | 16 | 1.3 | 331.8 | -9.0 | 93.2 | 1007.5 |
| 02/26/2022 | 05:30:00 - 05:45:00 | 17 | 22 | 22 | 44 | 17 | 1.4 | 336.5 | -9.0 | 93.0 | 1007.3 |
| 02/26/2022 | 05:45:00 - 06:00:00 | 16 | 21 | 21 | 42 | 16 | 1.0 | 339.6 | -9.2 | 93.0 | 1007.2 |
| 02/26/2022 | 06:00:00 - 06:15:00 | 16 | 22 | 21 | 41 | 16 | 1.0 | 345.6 | -9.4 | 93.0 | 1007.2 |
| 02/26/2022 | 06:15:00 - 06:30:00 | 16 | 21 | 21 | 40 | 15 | 1.1 | 340.3 | -9.5 | 93.8 | 1007.2 |
| 02/26/2022 | 06:30:00 - 06:45:00 | 16 | 22 | 22 | 41 | 16 | 1.2 | 344.4 | -9.5 | 93.8 | 1007.2 |
| 02/26/2022 | 06:45:00 - 07:00:00 | 17 | 21 | 21 | 44 | 17 | 0.9 | 359.3 | -9.3 | 94.0 | 1007.1 |
| 02/26/2022 | 07:00:00 - 07:15:00 | 17 | 22 | 22 | 50 | 18 | 1.0 | 342.1 | -9.1 | 93.8 | 1007.3 |
| 02/26/2022 | 07:15:00 - 07:30:00 | 18 | 22 | 23 | 58 | 21 | 1.5 | 326.3 | -8.2 | 92.8 | 1007.3 |
| 02/26/2022 | 07:30:00 - 07:45:00 | 17 | 21 | 21 | 55 | 21 | 1.2 | 324.8 | -6.6 | 88.9 | 1007.2 |
| 02/26/2022 | 07:45:00 - 08:00:00 | 16 | 19 | 19 | 55 | 18 | 1.2 | 329.9 | -5.4 | 83.2 | 1007.5 |
| 02/26/2022 | 08:00:00 - 08:15:00 | 15 | 18 | 18 | 56 | 16 | 0.9 | 280.5 | -4.7 | 78.5 | 1007.6 |
| 02/26/2022 | 08:15:00 - 08:30:00 | 13 | 15 | 16 | 52 | 13 | 0.7 | 260.0 | -4.1 | 74.4 | 1007.7 |
| 02/26/2022 | 08:30:00 - 08:45:00 | 10 | 12 | 13 | 27 | 10 | 1.7 | 306.1 | -3.8 | 68.7 | 1007.7 |
| 02/26/2022 | 08:45:00 - 09:00:00 | 9 | 12 | 12 | 22 | 9 | 2.5 | 318.7 | -4.1 | 67.5 | 1007.7 |
| 02/26/2022 | 09:00:00 - 09:15:00 | 9 | 12 | 12 | 22 | 9 | 0.4 | 242.8 | -3.1 | 66.3 | 1007.8 |
| 02/26/2022 | 09:15:00 - 09:30:00 | 9 | 12 | 12 | 22 | 9 | 0.9 | 5.7 | -2.3 | 62.6 | 1007.6 |
| 02/26/2022 | 09:30:00 - 09:45:00 | 9 | 12 | 12 | 23 | 9 | 1.9 | 323.4 | -2.5 | 63.3 | 1007.5 |
| 02/26/2022 | 09:45:00 - 10:00:00 | 9 | 12 | 12 | 23 | 9 | 1.5 | 315.4 | -2.8 | 64.4 | 1007.2 |
| 02/26/2022 | 10:00:00 - 10:15:00 | 10 | 12 | 12 | 24 | 9 | 1.1 | 339.0 | -2.1 | 63.8 | 1007.1 |
| 02/26/2022 | 10:15:00 - 10:30:00 | 10 | 12 | 12 | 23 | 9 | 1.8 | 345.5 | -1.9 | 63.2 | 1007.1 |
| 02/26/2022 | 10:30:00 - 10:45:00 | 10 | 12 | 12 | 24 | 9 | 0.2 | 124.9 | -0.5 | 60.0 | 1007.0 |
| 02/26/2022 | 10:45:00 - 11:00:00 | 10 | 11 | 11 | 23 | 9 | 0.7 | 131.1 | -0.4 | 56.7 | 1007.0 |
| 02/26/2022 | 11:00:00 - 11:15:00 | 10 | 11 | 11 | 24 | 10 | 0.1 | 333.9 | -0.2 | 57.0 | 1006.9 |
| 02/26/2022 | 11:15:00 - 11:30:00 | 9 | 11 | 11 | 22 | 9 | 1.9 | 187.7 | -0.4 | 56.5 | 1006.8 |
| 02/26/2022 | 11:30:00 - 11:45:00 | 10 | 11 | 11 | 23 | 9 | 2.6 | 203.6 | -1.3 | 61.9 | 1006.9 |
| 02/26/2022 | 11:45:00 - 12:00:00 | 9 | 11 | 11 | 22 | 9 | 2.0 | 184.8 | -1.2 | 61.9 | 1006.8 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 02/26/2022 | 12:00:00 - 12:15:00 | 9 | 10 | 10 | 22 | 8 | 1.9 | 217.6 | -1.1 | 61.1 | 1006.6 |
| 02/26/2022 | 12:15:00 - 12:30:00 | 9 | 10 | 10 | 22 | 8 | 1.3 | 212.6 | -0.9 | 60.8 | 1006.2 |
| 02/26/2022 | 12:30:00 - 12:45:00 | 8 | 10 | 10 | 21 | 8 | 1.9 | 209.5 | -0.9 | 60.1 | 1006.0 |
| 02/26/2022 | 12:45:00 - 13:00:00 | 9 | 10 | 10 | 21 | 8 | 1.9 | 233.3 | -0.7 | 60.6 | 1005.7 |
| 02/26/2022 | 13:00:00 - 13:15:00 | 9 | 11 | 11 | 22 | 8 | 1.7 | 214.0 | -0.4 | 61.6 | 1005.6 |
| 02/26/2022 | 13:15:00 - 13:30:00 | 9 | 11 | 11 | 22 | 8 | 1.7 | 206.5 | -0.2 | 62.1 | 1005.4 |
| 02/26/2022 | 13:30:00 - 13:45:00 | 9 | 11 | 11 | 23 | 9 | 2.0 | 216.6 | -0.4 | 64.3 | 1005.1 |
| 02/26/2022 | 13:45:00 - 14:00:00 | 10 | 12 | 12 | 23 | 9 | 1.9 | 205.6 | 0.0 | 64.3 | 1004.9 |
| 02/26/2022 | 14:00:00 - 14:15:00 | 9 | 11 | 11 | 22 | 8 | 2.8 | 201.3 | -0.3 | 64.3 | 1004.7 |
| 02/26/2022 | 14:15:00 - 14:30:00 | 9 | 11 | 11 | 22 | 8 | 2.2 | 196.4 | 0.4 | 63.1 | 1004.5 |
| 02/26/2022 | 14:30:00 - 14:45:00 | 9 | 11 | 11 | 22 | 8 | 1.2 | 212.2 | 0.2 | 64.0 | 1004.4 |
| 02/26/2022 | 14:45:00 - 15:00:00 | 10 | 12 | 12 | 24 | 9 | 1.4 | 220.8 | 0.6 | 64.2 | 1004.2 |
| 02/26/2022 | 15:00:00 - 15:15:00 | 12 | 15 | 14 | 28 | 12 | 3.4 | 190.5 | 0.2 | 65.8 | 1004.2 |
| 02/26/2022 | 15:15:00 - 15:30:00 | 13 | 16 | 16 | 32 | 13 | 2.4 | 194.3 | 0.1 | 67.3 | 1004.2 |
| 02/26/2022 | 15:30:00 - 15:45:00 | 15 | 18 | 18 | 36 | 15 | 1.6 | 201.1 | 0.1 | 66.4 | 1004.2 |
| 02/26/2022 | 15:45:00 - 16:00:00 | 13 | 15 | 15 | 30 | 13 | 1.4 | 206.1 | -0.1 | 67.1 | 1004.3 |
| 02/26/2022 | 16:00:00 - 16:15:00 | 12 | 14 | 14 | 28 | 12 | 1.8 | 207.8 | -0.4 | 68.9 | 1004.2 |
| 02/26/2022 | 16:15:00 - 16:30:00 | 11 | 13 | 13 | 27 | 11 | 2.1 | 193.4 | -0.6 | 69.5 | 1004.1 |
| 02/26/2022 | 16:30:00 - 16:45:00 | 10 | 13 | 13 | 27 | 11 | 3.0 | 186.7 | -0.7 | 70.1 | 1004.0 |
| 02/26/2022 | 16:45:00 - 17:00:00 | 11 | 14 | 14 | 28 | 12 | 2.7 | 195.8 | -0.7 | 71.2 | 1003.7 |
| 02/26/2022 | 17:00:00 - 17:15:00 | 11 | 13 | 13 | 28 | 11 | 3.5 | 196.6 | -0.9 | 72.6 | 1003.6 |
| 02/26/2022 | 17:15:00 - 17:30:00 | 9 | 12 | 12 | 25 | 10 | 3.2 | 200.7 | -1.3 | 73.5 | 1003.4 |
| 02/26/2022 | 17:30:00 - 17:45:00 | 9 | 11 | 11 | 23 | 9 | 2.3 | 196.7 | -1.5 | 74.2 | 1003.2 |
| 02/26/2022 | 17:45:00 - 18:00:00 | 7 | 10 | 10 | 20 | 8 | 2.1 | 192.7 | -1.7 | 73.1 | 1003.0 |
| 02/26/2022 | 18:00:00 - 18:15:00 | 6 | 9 | 9 | 18 | 7 | 2.4 | 188.9 | -1.7 | 72.7 | 1003.1 |
| 02/26/2022 | 18:15:00 - 18:30:00 | 7 | 10 | 10 | 19 | 8 | 2.1 | 201.3 | -1.8 | 74.6 | 1002.9 |
| 02/26/2022 | 18:30:00 - 18:45:00 | 7 | 10 | 10 | 20 | 8 | 2.8 | 199.7 | -1.9 | 75.6 | 1002.7 |
| 02/26/2022 | 18:45:00 - 19:00:00 | 7 | 11 | 11 | 20 | 8 | 3.1 | 192.3 | -1.9 | 75.1 | 1002.6 |
| 02/26/2022 | 19:00:00 - 19:15:00 | 8 | 11 | 11 | 22 | 9 | 3.3 | 199.9 | -1.8 | 74.8 | 1002.3 |
| 02/26/2022 | 19:15:00 - 19:30:00 | 8 | 11 | 11 | 21 | 9 | 2.6 | 205.6 | -1.9 | 74.9 | 1002.1 |
| 02/26/2022 | 19:30:00 - 19:45:00 | 8 | 11 | 11 | 22 | 9 | 2.3 | 199.7 | -2.0 | 75.4 | 1001.8 |
| 02/26/2022 | 19:45:00 - 20:00:00 | 8 | 12 | 12 | 23 | 9 | 2.1 | 197.0 | -2.0 | 76.0 | 1001.6 |
| 02/26/2022 | 20:00:00 - 20:15:00 | 8 | 12 | 12 | 24 | 9 | 2.4 | 197.2 | -2.1 | 77.1 | 1001.4 |
| 02/26/2022 | 20:15:00 - 20:30:00 | 9 | 12 | 12 | 25 | 10 | 2.1 | 204.2 | -2.1 | 78.3 | 1001.2 |
| 02/26/2022 | 20:30:00 - 20:45:00 | 9 | 13 | 13 | 26 | 10 | 2.2 | 198.7 | -2.2 | 79.1 | 1001.2 |
| 02/26/2022 | 20:45:00 - 21:00:00 | 9 | 13 | 13 | 27 | 10 | 2.8 | 205.3 | -2.2 | 80.2 | 1001.3 |
| 02/26/2022 | 21:00:00 - 21:15:00 | 9 | 13 | 13 | 27 | 10 | 2.3 | 198.0 | -2.4 | 81.6 | 1001.2 |
| 02/26/2022 | 21:15:00 - 21:30:00 | 10 | 14 | 14 | 28 | 11 | 2.6 | 206.8 | -2.5 | 82.8 | 1001.2 |
| 02/26/2022 | 21:30:00 - 21:45:00 | 10 | 14 | 14 | 29 | 12 | 2.8 | 197.6 | -2.5 | 83.0 | 1001.2 |
| 02/26/2022 | 21:45:00 - 22:00:00 | 11 | 14 | 14 | 30 | 12 | 2.7 | 195.3 | -2.5 | 84.0 | 1001.2 |
| 02/26/2022 | 22:00:00 - 22:15:00 | 10 | 14 | 14 | 29 | 11 | 3.2 | 193.5 | -2.4 | 83.2 | 1001.1 |
| 02/26/2022 | 22:15:00 - 22:30:00 | 10 | 14 | 14 | 29 | 11 | 2.5 | 195.4 | -2.4 | 83.0 | 1001.1 |
| 02/26/2022 | 22:30:00 - 22:45:00 | 10 | 14 | 14 | 28 | 11 | 2.0 | 198.1 | -2.4 | 82.9 | 1001.1 |
| 02/26/2022 | 22:45:00 - 23:00:00 | 10 | 13 | 13 | 27 | 11 | 1.6 | 198.3 | -2.4 | 82.0 | 1001.0 |
| 02/26/2022 | 23:00:00 - 23:15:00 | 10 | 13 | 13 | 27 | 11 | 1.8 | 202.2 | -2.3 | 81.2 | 1001.0 |
| 02/26/2022 | 23:15:00 - 23:30:00 | 10 | 13 | 13 | 26 | 11 | 1.7 | 200.5 | -2.4 | 81.0 | 1000.9 |
| 02/26/2022 | 23:30:00 - 23:45:00 | 10 | 13 | 13 | 26 | 11 | 1.9 | 221.0 | -2.4 | 81.0 | 1000.7 |
| 02/27/2022 | 23:45:00 - 00:00:00 | 10 | 13 | 13 | 26 | 10 | 1.3 | 214.6 | -2.4 | 81.0 | 1000.6 |
| 02/27/2022 | 00:00:00 - 00:15:00 | 10 | 13 | 13 | 26 | 11 | 1.2 | 229.1 | -2.5 | 81.1 | 1000.4 |
| 02/27/2022 | 00:15:00 - 00:30:00 | 10 | 13 | 13 | 27 | 11 | 1.3 | 215.7 | -2.6 | 82.3 | 1000.3 |
| 02/27/2022 | 00:30:00 - 00:45:00 | 10 | 14 | 14 | 28 | 11 | 1.1 | 224.6 | -2.7 | 83.2 | 1000.2 |
| 02/27/2022 | 00:45:00 - 01:00:00 | 10 | 14 | 14 | 29 | 11 | 1.1 | 223.6 | -2.7 | 84.1 | 1000.1 |
| 02/27/2022 | 01:00:00 - 01:15:00 | 11 | 15 | 14 | 30 | 12 | 0.9 | 247.1 | -2.9 | 85.1 | 1000.0 |
| 02/27/2022 | 01:15:00 - 01:30:00 | 11 | 15 | 15 | 32 | 13 | 0.8 | 234.5 | -3.0 | 86.0 | 999.9 |
| 02/27/2022 | 01:30:00 - 01:45:00 | 12 | 16 | 16 | 33 | 13 | 1.7 | 242.7 | -3.0 | 86.9 | 999.8 |
| 02/27/2022 | 01:45:00 - 02:00:00 | 12 | 16 | 16 | 33 | 13 | 1.0 | 247.5 | -2.9 | 86.0 | 999.6 |
| 02/27/2022 | 02:00:00 - 02:15:00 | 12 | 16 | 16 | 34 | 13 | 0.9 | 252.0 | -2.9 | 85.7 | 999.6 |
| 02/27/2022 | 02:15:00 - 02:30:00 | 12 | 16 | 16 | 34 | 13 | 0.8 | 242.7 | -2.9 | 85.6 | 999.4 |
| 02/27/2022 | 02:30:00 - 02:45:00 | 12 | 16 | 16 | 35 | 14 | 1.2 | 245.2 | -3.0 | 86.0 | 999.3 |
| 02/27/2022 | 02:45:00 - 03:00:00 | 13 | 17 | 16 | 35 | 14 | 1.1 | 271.5 | -3.0 | 86.0 | 999.1 |
| 02/27/2022 | 03:00:00 - 03:15:00 | 13 | 17 | 17 | 37 | 14 | 1.4 | 266.0 | -3.0 | 86.0 | 999.0 |
| 02/27/2022 | 03:15:00 - 03:30:00 | 14 | 19 | 18 | 39 | 15 | 1.9 | 280.0 | -3.1 | 86.9 | 998.9 |
| 02/27/2022 | 03:30:00 - 03:45:00 | 15 | 20 | 20 | 43 | 16 | 1.9 | 278.2 | -2.8 | 86.0 | 998.9 |
| 02/27/2022 | 03:45:00 - 04:00:00 | 16 | 20 | 20 | 45 | 17 | 1.6 | 289.1 | -2.9 | 86.0 | 998.7 |
| 02/27/2022 | 04:00:00 - 04:15:00 | 16 | 21 | 21 | 46 | 18 | 1.0 | 279.5 | -3.1 | 86.8 | 998.7 |
| 02/27/2022 | 04:15:00 - 04:30:00 | 17 | 22 | 22 | 48 | 18 | 2.2 | 287.5 | -3.1 | 87.0 | 998.8 |
| 02/27/2022 | 04:30:00 - 04:45:00 | 17 | 22 | 22 | 50 | 19 | 1.8 | 275.1 | -3.2 | 87.3 | 998.8 |
| 02/27/2022 | 04:45:00 - 05:00:00 | 18 | 23 | 23 | 50 | 20 | 1.5 | 278.3 | -3.4 | 88.0 | 998.6 |
| 02/27/2022 | 05:00:00 - 05:15:00 | 19 | 25 | 24 | 54 | 20 | 2.4 | 284.0 | -3.4 | 88.0 | 998.5 |
| 02/27/2022 | 05:15:00 - 05:30:00 | 20 | 25 | 25 | 56 | 21 | 1.5 | 273.8 | -3.4 | 88.0 | 998.4 |
| 02/27/2022 | 05:30:00 - 05:45:00 | 20 | 26 | 26 | 58 | 22 | 1.6 | 278.0 | -3.4 | 87.6 | 998.4 |
| 02/27/2022 | 05:45:00 - 06:00:00 | 20 | 27 | 27 | 59 | 23 | 1.4 | 297.4 | -3.6 | 88.0 | 998.4 |
| 02/27/2022 | 06:00:00 - 06:15:00 | 21 | 27 | 27 | 59 | 23 | 1.3 | 300.1 | -3.8 | 88.5 | 998.4 |
| 02/27/2022 | 06:15:00 - 06:30:00 | 21 | 26 | 26 | 58 | 23 | 1.0 | 289.1 | -4.0 | 89.0 | 998.5 |
| 02/27/2022 | 06:30:00 - 06:45:00 | 21 | 27 | 26 | 58 | 23 | 0.9 | 272.7 | -4.2 | 89.9 | 998.3 |
| 02/27/2022 | 06:45:00 - 07:00:00 | 21 | 26 | 26 | 62 | 24 | 0.9 | 272.9 | -4.1 | 90.0 | 998.3 |
| 02/27/2022 | 07:00:00 - 07:15:00 | 21 | 26 | 26 | 70 | 23 | 0.9 | 251.4 | -3.8 | 89.8 | 998.3 |
| 02/27/2022 | 07:15:00 - 07:30:00 | 21 | 24 | 25 | 65 | 22 | 0.8 | 249.5 | -3.2 | 88.2 | 998.2 |
| 02/27/2022 | 07:30:00 - 07:45:00 | 20 | 23 | 24 | 50 | 20 | 0.7 | 254.6 | -2.0 | 83.8 | 998.3 |
| 02/27/2022 | 07:45:00 - 08:00:00 | 18 | 21 | 22 | 45 | 18 | 1.2 | 254.0 | -1.1 | 78.9 | 998.4 |
| 02/27/2022 | 08:00:00 - 08:15:00 | 17 | 21 | 21 | 42 | 17 | 1.3 | 282.8 | -0.6 | 76.3 | 998.5 |
| 02/27/2022 | 08:15:00 - 08:30:00 | 17 | 20 | 21 | 40 | 16 | 2.4 | 276.4 | -0.3 | 75.0 | 998.5 |
| 02/27/2022 | 08:30:00 - 08:45:00 | 16 | 19 | 20 | 38 | 16 | 1.7 | 277.1 | 0.6 | 72.4 | 998.6 |
| 02/27/2022 | 08:45:00 - 09:00:00 | 15 | 18 | 19 | 35 | 15 | 1.9 | 288.2 | 1.5 | 68.6 | 998.6 |
| 02/27/2022 | 09:00:00 - 09:15:00 | 14 | 18 | 18 | 34 | 14 | 2.2 | 280.1 | 2.0 | 64.8 | 998.6 |
| 02/27/2022 | 09:15:00 - 09:30:00 | 14 | 18 | 18 | 33 | 14 | 2.8 | 315.2 | 2.5 | 62.0 | 998.6 |
| 02/27/2022 | 09:30:00 - 09:45:00 | 14 | 17 | 18 | 33 | 14 | 2.6 | 308.7 | 2.8 | 61.2 | 998.7 |
| 02/27/2022 | 09:45:00 - 10:00:00 | 14 | 16 | 17 | 32 | 13 | 2.6 | 291.2 | 3.2 | 59.8 | 998.7 |
| 02/27/2022 | 10:00:00 - 10:15:00 | 13 | 16 | 16 | 31 | 13 | 2.6 | 311.3 | 3.4 | 60.1 | 998.7 |
| 02/27/2022 | 10:15:00 - 10:30:00 | 13 | 16 | 16 | 31 | 13 | 2.6 | 306.6 | 3.6 | 59.3 | 998.7 |
| 02/27/2022 | 10:30:00 - 10:45:00 | 13 | 15 | 15 | 30 | 13 | 2.4 | 302.4 | 4.1 | 60.1 | 998.7 |
| 02/27/2022 | 10:45:00 - 11:00:00 | 13 | 15 | 15 | 30 | 13 | 2.5 | 275.9 | 4.7 | 58.2 | 998.7 |
| 02/27/2022 | 11:00:00 - 11:15:00 | 12 | 15 | 15 | 29 | 12 | 3.6 | 298.9 | 4.5 | 59.8 | 998.8 |
| 02/27/2022 | 11:15:00 - 11:30:00 | 13 | 15 | 15 | 29 | 12 | 2.0 | 256.8 | 5.3 | 59.5 | 998.8 |
| 02/27/2022 | 11:30:00 - 11:45:00 | 12 | 14 | 14 | 28 | 12 | 3.1 | 299.6 | 5.5 | 59.0 | 998.9 |
| 02/27/2022 | 11:45:00 - 12:00:00 | 12 | 14 | 14 | 28 | 12 | 2.6 | 279.9 | 5.6 | 57.6 | 998.8 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 02/27/2022 | 12:00:00 - 12:15:00 | 12 | 14 | 14 | 28 | 12 | 2.5 | 270.8 | 5.8 | 57.3 | 998.5 |
| 02/27/2022 | 12:15:00 - 12:30:00 | 12 | 13 | 14 | 27 | 11 | 2.0 | 273.3 | 6.3 | 55.6 | 998.2 |
| 02/27/2022 | 12:30:00 - 12:45:00 | 12 | 13 | 13 | 28 | 11 | 2.5 | 261.5 | 6.3 | 56.5 | 998.0 |
| 02/27/2022 | 12:45:00 - 13:00:00 | 12 | 13 | 13 | 28 | 11 | 1.9 | 253.6 | 6.5 | 55.8 | 997.8 |
| 02/27/2022 | 13:00:00 - 13:15:00 | 12 | 14 | 14 | 27 | 11 | 2.8 | 277.9 | 6.2 | 55.8 | 997.6 |
| 02/27/2022 | 13:15:00 - 13:30:00 | 12 | 15 | 14 | 28 | 11 | 1.3 | 249.2 | 7.0 | 57.1 | 997.3 |
| 02/27/2022 | 13:30:00 - 13:45:00 | 11 | 13 | 14 | 26 | 10 | 3.5 | 294.2 | 6.7 | 56.0 | 997.1 |
| 02/27/2022 | 13:45:00 - 14:00:00 | 11 | 13 | 13 | 26 | 10 | 3.0 | 300.3 | 6.8 | 56.6 | 997.0 |
| 02/27/2022 | 14:00:00 - 14:15:00 | 11 | 12 | 13 | 25 | 10 | 1.6 | 262.2 | 7.1 | 54.9 | 996.9 |
| 02/27/2022 | 14:15:00 - 14:30:00 | 10 | 12 | 12 | 23 | 9 | 1.7 | 267.4 | 7.1 | 54.0 | 996.9 |
| 02/27/2022 | 14:30:00 - 14:45:00 | 9 | 11 | 11 | 22 | 8 | 3.1 | 298.6 | 7.0 | 54.3 | 996.8 |
| 02/27/2022 | 14:45:00 - 15:00:00 | 9 | 12 | 12 | 22 | 9 | 3.2 | 299.5 | 6.8 | 54.8 | 996.8 |
| 02/27/2022 | 15:00:00 - 15:15:00 | 9 | 12 | 12 | 22 | 9 | 3.9 | 283.4 | 6.6 | 55.3 | 996.9 |
| 02/27/2022 | 15:15:00 - 15:30:00 | 9 | 12 | 12 | 22 | 9 | 2.5 | 293.2 | 6.6 | 57.5 | 996.9 |
| 02/27/2022 | 15:30:00 - 15:45:00 | 10 | 12 | 12 | 22 | 9 | 2.5 | 302.4 | 6.4 | 58.1 | 996.8 |
| 02/27/2022 | 15:45:00 - 16:00:00 | 10 | 12 | 12 | 22 | 9 | 3.7 | 296.3 | 6.0 | 59.8 | 996.7 |
| 02/27/2022 | 16:00:00 - 16:15:00 | 10 | 12 | 12 | 23 | 9 | 3.4 | 294.7 | 5.6 | 61.4 | 996.7 |
| 02/27/2022 | 16:15:00 - 16:30:00 | 9 | 12 | 12 | 22 | 9 | 2.7 | 297.3 | 5.3 | 62.7 | 996.6 |
| 02/27/2022 | 16:30:00 - 16:45:00 | 9 | 12 | 12 | 23 | 9 | 2.1 | 270.4 | 5.4 | 63.1 | 996.6 |
| 02/27/2022 | 16:45:00 - 17:00:00 | 9 | 12 | 12 | 23 | 9 | 2.7 | 291.5 | 5.3 | 63.7 | 996.7 |
| 02/27/2022 | 17:00:00 - 17:15:00 | 9 | 12 | 11 | 22 | 9 | 2.0 | 294.0 | 5.0 | 64.5 | 996.7 |
| 02/27/2022 | 17:15:00 - 17:30:00 | 8 | 12 | 13 | 22 | 8 | 2.1 | 292.5 | 4.6 | 65.0 | 996.9 |
| 02/27/2022 | 17:30:00 - 17:45:00 | 10 | 15 | 14 | 25 | 10 | 0.6 | 312.9 | 4.1 | 68.8 | 996.9 |
| 02/27/2022 | 17:45:00 - 18:00:00 | 10 | 13 | 13 | 26 | 10 | 0.1 | 318.3 | 3.7 | 70.7 | 996.9 |
| 02/27/2022 | 18:00:00 - 18:15:00 | 11 | 15 | 14 | 27 | 11 | 0.3 | 131.4 | 3.2 | 72.4 | 996.9 |
| 02/27/2022 | 18:15:00 - 18:30:00 | 11 | 15 | 15 | 29 | 11 | 0.5 | 99.3 | 2.8 | 74.7 | 997.1 |
| 02/27/2022 | 18:30:00 - 18:45:00 | 11 | 17 | 16 | 31 | 13 | 0.6 | 80.2 | 2.3 | 77.0 | 997.3 |
| 02/27/2022 | 18:45:00 - 19:00:00 | 13 | 17 | 17 | 35 | 13 | 0.6 | 115.0 | 1.6 | 79.8 | 997.4 |
| 02/27/2022 | 19:00:00 - 19:15:00 | 13 | 18 | 18 | 35 | 13 | 1.1 | 150.3 | 1.3 | 81.0 | 997.3 |
| 02/27/2022 | 19:15:00 - 19:30:00 | 13 | 17 | 17 | 35 | 14 | 1.4 | 152.4 | 1.0 | 81.8 | 997.3 |
| 02/27/2022 | 19:30:00 - 19:45:00 | 12 | 17 | 17 | 36 | 14 | 1.5 | 149.7 | 1.2 | 82.0 | 997.1 |
| 02/27/2022 | 19:45:00 - 20:00:00 | 13 | 18 | 18 | 36 | 15 | 1.2 | 166.4 | 1.6 | 80.4 | 996.8 |
| 02/27/2022 | 20:00:00 - 20:15:00 | 15 | 19 | 19 | 39 | 16 | 1.2 | 189.7 | 1.3 | 80.1 | 996.8 |
| 02/27/2022 | 20:15:00 - 20:30:00 | 14 | 18 | 19 | 37 | 14 | 0.8 | 199.0 | 0.8 | 81.7 | 997.1 |
| 02/27/2022 | 20:30:00 - 20:45:00 | 13 | 18 | 18 | 37 | 14 | 0.9 | 151.2 | 0.6 | 82.4 | 997.3 |
| 02/27/2022 | 20:45:00 - 21:00:00 | 13 | 19 | 18 | 38 | 14 | 0.6 | 164.3 | 0.5 | 83.6 | 997.1 |
| 02/27/2022 | 21:00:00 - 21:15:00 | 14 | 18 | 19 | 39 | 15 | 0.7 | 121.0 | 0.2 | 84.3 | 997.1 |
| 02/27/2022 | 21:15:00 - 21:30:00 | 14 | 20 | 20 | 41 | 15 | 0.7 | 166.2 | 0.1 | 85.0 | 997.2 |
| 02/27/2022 | 21:30:00 - 21:45:00 | 13 | 19 | 19 | 41 | 14 | 1.0 | 147.1 | 0.1 | 85.0 | 997.1 |
| 02/27/2022 | 21:45:00 - 22:00:00 | 12 | 17 | 17 | 37 | 13 | 0.8 | 142.5 | 0.3 | 83.6 | 997.1 |
| 02/27/2022 | 22:00:00 - 22:15:00 | 12 | 19 | 19 | 41 | 14 | 0.9 | 188.1 | 0.0 | 83.8 | 997.2 |
| 02/27/2022 | 22:15:00 - 22:30:00 | 12 | 18 | 18 | 37 | 14 | 1.3 | 172.4 | 0.1 | 84.2 | 997.0 |
| 02/27/2022 | 22:30:00 - 22:45:00 | 12 | 17 | 17 | 37 | 14 | 0.6 | 189.0 | 0.0 | 84.3 | 997.0 |
| 02/27/2022 | 22:45:00 - 23:00:00 | 12 | 19 | 19 | 38 | 13 | 0.8 | 177.7 | -0.5 | 85.5 | 996.9 |
| 02/27/2022 | 23:00:00 - 23:15:00 | 12 | 21 | 20 | 37 | 14 | 0.8 | 141.5 | -1.1 | 86.8 | 996.9 |
| 02/27/2022 | 23:15:00 - 23:30:00 | 13 | 20 | 21 | 43 | 14 | 0.6 | 146.7 | -1.4 | 88.4 | 996.8 |
| 02/27/2022 | 23:30:00 - 23:45:00 | 15 | 21 | 20 | 44 | 15 | 0.7 | 108.3 | -1.6 | 90.1 | 996.8 |
| 02/28/2022 | 23:45:00 - 00:00:00 | 13 | 21 | 21 | 40 | 14 | 0.6 | 146.4 | -1.7 | 91.1 | 996.7 |
| 02/28/2022 | 00:00:00 - 00:15:00 | 13 | 21 | 21 | 40 | 14 | 0.3 | 188.1 | -1.9 | 92.0 | 996.6 |
| 02/28/2022 | 00:15:00 - 00:30:00 | 13 | 20 | 21 | 41 | 15 | 0.4 | 202.6 | -2.1 | 92.7 | 996.7 |
| 02/28/2022 | 00:30:00 - 00:45:00 | 14 | 20 | 20 | 42 | 15 | 0.3 | 209.6 | -2.2 | 93.8 | 996.7 |
| 02/28/2022 | 00:45:00 - 01:00:00 | 14 | 21 | 21 | 42 | 15 | 0.2 | 159.5 | -1.9 | 94.1 | 996.6 |
| 02/28/2022 | 01:00:00 - 01:15:00 | 14 | 20 | 20 | 42 | 15 | 0.3 | 359.7 | -2.1 | 94.0 | 996.5 |
| 02/28/2022 | 01:15:00 - 01:30:00 | 14 | 20 | 20 | 41 | 15 | 0.4 | 108.3 | -2.6 | 94.0 | 996.5 |
| 02/28/2022 | 01:30:00 - 01:45:00 | 14 | 21 | 21 | 40 | 15 | 0.4 | 354.5 | -2.6 | 94.7 | 996.5 |
| 02/28/2022 | 01:45:00 - 02:00:00 | 13 | 20 | 20 | 39 | 15 | 0.3 | 98.8 | -2.9 | 94.3 | 996.4 |
| 02/28/2022 | 02:00:00 - 02:15:00 | 13 | 21 | 21 | 40 | 15 | 0.4 | 35.0 | -2.8 | 95.4 | 996.3 |
| 02/28/2022 | 02:15:00 - 02:30:00 | 13 | 20 | 20 | 40 | 14 | 0.5 | 90.1 | -3.1 | 95.9 | 996.1 |
| 02/28/2022 | 02:30:00 - 02:45:00 | 14 | 24 | 24 | 44 | 14 | 0.6 | 76.5 | -3.2 | 96.0 | 995.9 |
| 02/28/2022 | 02:45:00 - 03:00:00 | 13 | 21 | 21 | 39 | 14 | 0.1 | 118.2 | -3.1 | 96.6 | 995.9 |
| 02/28/2022 | 03:00:00 - 03:15:00 | 13 | 20 | 20 | 36 | 14 | 0.5 | 185.4 | -2.8 | 97.0 | 995.9 |
| 02/28/2022 | 03:15:00 - 03:30:00 | 13 | 21 | 21 | 37 | 14 | 0.5 | 85.9 | -2.8 | 96.5 | 995.8 |
| 02/28/2022 | 03:30:00 - 03:45:00 | 13 | 22 | 22 | 38 | 15 | 0.5 | 74.3 | -3.1 | 96.8 | 995.8 |
| 02/28/2022 | 03:45:00 - 04:00:00 | 14 | 22 | 22 | 39 | 15 | 0.7 | 80.3 | -3.3 | 96.9 | 995.7 |
| 02/28/2022 | 04:00:00 - 04:15:00 | 15 | 23 | 23 | 43 | 16 | 0.5 | 58.6 | -3.4 | 97.0 | 995.7 |
| 02/28/2022 | 04:15:00 - 04:30:00 | 14 | 23 | 23 | 42 | 17 | 0.2 | 218.4 | -3.5 | 97.3 | 995.8 |
| 02/28/2022 | 04:30:00 - 04:45:00 | 15 | 24 | 23 | 42 | 17 | 0.4 | 319.9 | -3.1 | 98.0 | 995.8 |
| 02/28/2022 | 04:45:00 - 05:00:00 | 16 | 23 | 24 | 43 | 18 | 0.4 | 219.7 | -2.8 | 97.8 | 995.9 |
| 02/28/2022 | 05:00:00 - 05:15:00 | 15 | 24 | 23 | 44 | 17 | 1.3 | 172.9 | -1.7 | 97.3 | 995.9 |
| 02/28/2022 | 05:15:00 - 05:30:00 | 15 | 27 | 27 | 43 | 17 | 0.3 | 149.5 | -1.7 | 94.8 | 995.9 |
| 02/28/2022 | 05:30:00 - 05:45:00 | 14 | 21 | 22 | 41 | 16 | 1.0 | 161.5 | -1.9 | 94.3 | 995.9 |
| 02/28/2022 | 05:45:00 - 06:00:00 | 14 | 22 | 21 | 41 | 16 | Offline | NaN | NaN | NaN | NaN |
| 02/28/2022 | 06:00:00 - 06:15:00 | 14 | 22 | 22 | 41 | 17 | Offline | NaN | NaN | NaN | NaN |
| 02/28/2022 | 06:15:00 - 06:30:00 | 13 | 22 | 22 | 43 | 17 | Offline | NaN | NaN | NaN | NaN |
| 02/28/2022 | 06:30:00 - 06:45:00 | 12 | 19 | 19 | 42 | 16 | Offline | NaN | NaN | NaN | NaN |
| 02/28/2022 | 06:45:00 - 07:00:00 | 12 | 18 | 17 | 43 | 16 | Offline | NaN | NaN | NaN | NaN |
| 02/28/2022 | 07:00:00 - 07:15:00 | 12 | 15 | 16 | 45 | 14 | Offline | NaN | NaN | NaN | NaN |
| 02/28/2022 | 07:15:00 - 07:30:00 | 10 | 13 | 14 | 39 | 11 | Offline | NaN | NaN | NaN | NaN |
| 02/28/2022 | 07:30:00 - 07:45:00 | 9 | 12 | 12 | 33 | 9 | Offline | NaN | NaN | NaN | NaN |
| 02/28/2022 | 07:45:00 - 08:00:00 | 8 | 11 | 11 | 23 | 8 | Offline | NaN | NaN | NaN | NaN |
| 02/28/2022 | 08:00:00 - 08:15:00 | 7 | 10 | 10 | 20 | 8 | Offline | NaN | NaN | NaN | NaN |
| 02/28/2022 | 08:15:00 - 08:30:00 | 7 | 9 | 9 | 19 | 7 | Offline | NaN | NaN | NaN | NaN |
| 02/28/2022 | 08:30:00 - 08:45:00 | 7 | 9 | 9 | 18 | 7 | Offline | NaN | NaN | NaN | NaN |
| 02/28/2022 | 08:45:00 - 09:00:00 | 7 | 9 | 9 | 18 | 7 | Offline | NaN | NaN | NaN | NaN |
| 02/28/2022 | 09:00:00 - 09:15:00 | 7 | 9 | 9 | 18 | 7 | Offline | NaN | NaN | NaN | NaN |
| 02/28/2022 | 09:15:00 - 09:30:00 | 7 | 9 | 9 | 18 | 7 | Offline | NaN | NaN | NaN | NaN |
| 02/28/2022 | 09:30:00 - 09:45:00 | 8 | 10 | 10 | 19 | 7 | Offline | NaN | NaN | NaN | NaN |
| 02/28/2022 | 09:45:00 - 10:00:00 | 8 | 10 | 10 | 19 | 8 | Offline | NaN | NaN | NaN | NaN |
| 02/28/2022 | 10:00:00 - 10:15:00 | 8 | 9 | 9 | 19 | 8 | Offline | NaN | NaN | NaN | NaN |
| 02/28/2022 | 10:15:00 - 10:30:00 | 8 | 9 | 9 | 19 | 8 | Offline | NaN | NaN | NaN | NaN |
| 02/28/2022 | 10:30:00 - 10:45:00 | 8 | 10 | 10 | 20 | 8 | Offline | NaN | NaN | NaN | NaN |
| 02/28/2022 | 10:45:00 - 11:00:00 | 8 | 10 | 10 | 20 | 8 | Offline | NaN | NaN | NaN | NaN |
| 02/28/2022 | 11:00:00 - 11:15:00 | 9 | 11 | 11 | 22 | 9 | Offline | NaN | NaN | NaN | NaN |
| 02/28/2022 | 11:15:00 - 11:30:00 | 10 | 10 | 10 | 21 | 9 | Offline | NaN | NaN | NaN | NaN |
| 02/28/2022 | 11:30:00 - 11:45:00 | 9 | 10 | 10 | 20 | 8 | 3.6 | 183.9 | 9.6 | 53.3 | 994.5 |
| 02/28/2022 | 11:45:00 - 12:00:00 | 9 | 10 | 10 | 21 | 8 | 4.5 | 195.2 | 9.6 | 52.1 | 994.2 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 02/28/2022 | 12:00:00 - 12:15:00 | 9 | 10 | 10 | 20 | 8 | 5.2 | 198.6 | 10.0 | 52.8 | 993.8 |
| 02/28/2022 | 12:15:00 - 12:30:00 | 9 | 11 | 11 | 20 | 8 | 4.7 | 201.3 | 10.3 | 51.8 | 993.5 |
| 02/28/2022 | 12:30:00 - 12:45:00 | 9 | 10 | 10 | 20 | 9 | 4.7 | 202.0 | 10.3 | 50.3 | 993.2 |
| 02/28/2022 | 12:45:00 - 13:00:00 | 10 | 10 | 10 | 21 | 8 | 6.4 | 196.1 | 10.5 | 49.8 | 993.1 |
| 02/28/2022 | 13:00:00 - 13:15:00 | 9 | 10 | 9 | 21 | 8 | 6.4 | 195.7 | 10.7 | 47.8 | 992.8 |
| 02/28/2022 | 13:15:00 - 13:30:00 | 9 | 10 | 10 | 20 | 8 | 5.1 | 202.7 | 11.0 | 48.6 | 992.5 |
| 02/28/2022 | 13:30:00 - 13:45:00 | 9 | 10 | 10 | 21 | 8 | 5.3 | 192.6 | 10.8 | 50.1 | 992.3 |
| 02/28/2022 | 13:45:00 - 14:00:00 | 9 | 10 | 10 | 22 | 9 | 4.9 | 191.4 | 11.2 | 49.7 | 992.0 |
| 02/28/2022 | 14:00:00 - 14:15:00 | 9 | 10 | 10 | 22 | 8 | 4.8 | 195.5 | 11.5 | 48.8 | 991.7 |
| 02/28/2022 | 14:15:00 - 14:30:00 | 9 | 10 | 10 | 21 | 8 | 5.7 | 201.3 | 11.2 | 48.4 | 991.5 |
| 02/28/2022 | 14:30:00 - 14:45:00 | 9 | 10 | 10 | 21 | 8 | 6.1 | 194.3 | 11.1 | 49.1 | 991.4 |
| 02/28/2022 | 14:45:00 - 15:00:00 | 9 | 10 | 10 | 21 | 8 | 5.0 | 192.0 | 11.2 | 48.8 | 991.3 |
| 02/28/2022 | 15:00:00 - 15:15:00 | 10 | 10 | 10 | 21 | 9 | 4.9 | 200.2 | 11.2 | 49.0 | 991.2 |
| 02/28/2022 | 15:15:00 - 15:30:00 | 9 | 10 | 10 | 20 | 8 | 4.3 | 199.8 | 11.2 | 50.4 | 991.2 |
| 02/28/2022 | 15:30:00 - 15:45:00 | 8 | 9 | 9 | 19 | 8 | 3.8 | 198.2 | 11.1 | 50.5 | 991.1 |
| 02/28/2022 | 15:45:00 - 16:00:00 | 8 | 9 | 9 | 19 | 7 | 5.0 | 197.2 | 11.1 | 50.1 | 990.9 |
| 02/28/2022 | 16:00:00 - 16:15:00 | 7 | 9 | 9 | 17 | 7 | 5.5 | 205.8 | 10.7 | 51.4 | 990.9 |
| 02/28/2022 | 16:15:00 - 16:30:00 | 7 | 8 | 8 | 16 | 6 | 5.3 | 191.9 | 10.3 | 54.0 | 990.8 |
| 02/28/2022 | 16:30:00 - 16:45:00 | 7 | 8 | 8 | 16 | 6 | 4.3 | 198.5 | 10.2 | 56.4 | 990.8 |
| 02/28/2022 | 16:45:00 - 17:00:00 | 7 | 9 | 8 | 16 | 6 | 3.6 | 196.6 | 10.2 | 57.1 | 990.7 |
| 02/28/2022 | 17:00:00 - 17:15:00 | 8 | 8 | 9 | 17 | 7 | 3.0 | 208.6 | 9.9 | 59.1 | 990.7 |
| 02/28/2022 | 17:15:00 - 17:30:00 | 7 | 8 | 8 | 16 | 6 | 3.0 | 203.7 | 9.4 | 61.9 | 990.6 |
| 02/28/2022 | 17:30:00 - 17:45:00 | 7 | 8 | 8 | 17 | 7 | 3.2 | 197.2 | 8.9 | 64.0 | 990.7 |
| 02/28/2022 | 17:45:00 - 18:00:00 | 7 | 9 | 8 | 16 | 7 | 2.3 | 190.5 | 8.4 | 65.7 | 990.8 |
| 02/28/2022 | 18:00:00 - 18:15:00 | 8 | 9 | 9 | 18 | 7 | 2.6 | 187.0 | 8.0 | 67.0 | 990.7 |
| 02/28/2022 | 18:15:00 - 18:30:00 | 7 | 9 | 9 | 19 | 8 | 3.1 | 203.8 | 7.9 | 66.4 | 990.7 |
| 02/28/2022 | 18:30:00 - 18:45:00 | 8 | 10 | 10 | 19 | 8 | 3.2 | 207.9 | 7.6 | 66.9 | 990.7 |
| 02/28/2022 | 18:45:00 - 19:00:00 | 8 | 10 | 10 | 20 | 8 | 3.0 | 200.1 | 7.4 | 67.7 | 990.6 |
| 02/28/2022 | 19:00:00 - 19:15:00 | 8 | 10 | 10 | 19 | 8 | 2.9 | 207.3 | 7.1 | 67.6 | 990.7 |
| 02/28/2022 | 19:15:00 - 19:30:00 | 7 | 10 | 10 | 20 | 8 | 2.6 | 203.7 | 6.8 | 66.9 | 990.8 |
| 02/28/2022 | 19:30:00 - 19:45:00 | 7 | 10 | 10 | 19 | 8 | 3.4 | 204.5 | 6.7 | 65.6 | 990.7 |
| 02/28/2022 | 19:45:00 - 20:00:00 | 7 | 10 | 10 | 20 | 8 | 2.9 | 209.0 | 6.7 | 64.8 | 990.8 |
| 02/28/2022 | 20:00:00 - 20:15:00 | 7 | 10 | 10 | 20 | 8 | 1.9 | 203.9 | 6.3 | 65.3 | 990.9 |
| 02/28/2022 | 20:15:00 - 20:30:00 | 7 | 10 | 10 | 19 | 8 | 0.9 | 203.6 | 5.8 | 66.7 | 991.0 |
| 02/28/2022 | 20:30:00 - 20:45:00 | 7 | 9 | 9 | 18 | 7 | 0.4 | 162.7 | 5.3 | 68.9 | 991.1 |
| 02/28/2022 | 20:45:00 - 21:00:00 | 7 | 9 | 9 | 18 | 7 | 1.1 | 210.6 | 5.1 | 71.2 | 991.3 |
| 02/28/2022 | 21:00:00 - 21:15:00 | 7 | 9 | 9 | 19 | 8 | 1.3 | 211.3 | 4.9 | 72.4 | 991.2 |
| 02/28/2022 | 21:15:00 - 21:30:00 | 7 | 10 | 10 | 20 | 8 | 0.9 | 182.5 | 4.9 | 72.2 | 991.1 |
| 02/28/2022 | 21:30:00 - 21:45:00 | 8 | 10 | 10 | 20 | 8 | 0.7 | 145.0 | 4.6 | 73.2 | 991.1 |
| 02/28/2022 | 21:45:00 - 22:00:00 | 8 | 11 | 11 | 22 | 9 | 0.8 | 126.1 | 4.4 | 74.0 | 990.9 |
| 02/28/2022 | 22:00:00 - 22:15:00 | 8 | 11 | 11 | 23 | 9 | 1.0 | 145.4 | 4.2 | 74.9 | 990.6 |
| 02/28/2022 | 22:15:00 - 22:30:00 | 8 | 11 | 11 | 22 | 9 | 2.1 | 172.8 | 4.4 | 75.0 | 990.4 |
| 02/28/2022 | 22:30:00 - 22:45:00 | 8 | 11 | 11 | 22 | 9 | 2.7 | 197.3 | 4.6 | 74.6 | 990.2 |
| 02/28/2022 | 22:45:00 - 23:00:00 | 9 | 11 | 11 | 23 | 9 | 2.8 | 191.9 | 4.5 | 75.0 | 990.0 |
| 02/28/2022 | 23:00:00 - 23:15:00 | 9 | 11 | 12 | 23 | 10 | 2.7 | 182.7 | 4.3 | 75.0 | 990.1 |
| 02/28/2022 | 23:15:00 - 23:30:00 | 8 | 10 | 11 | 21 | 8 | 2.5 | 175.3 | 4.3 | 74.9 | 990.0 |
| 02/28/2022 | 23:30:00 - 23:45:00 | 7 | 10 | 10 | 20 | 8 | 1.7 | 182.3 | 4.5 | 73.8 | 989.9 |
| 03/01/2022 | 23:45:00 - 00:00:00 | 6 | 7 | 9 | 18 | 7 | 2.7 | 194.0 | 5.2 | 71.2 | 989.9 |
| 03/01/2022 | 00:00:00 - 00:15:00 | 6 | 8 | 18 | 16 | 6 | 3.1 | 204.5 | 5.5 | 69.5 | 989.9 |
| 03/01/2022 | 00:15:00 - 00:30:00 | 6 | 8 | 17 | 15 | 6 | 2.8 | 208.3 | 5.7 | 68.1 | 989.8 |
| 03/01/2022 | 00:30:00 - 00:45:00 | 5 | 8 | 17 | 15 | 6 | 2.8 | 202.1 | 5.6 | 68.1 | 989.8 |
| 03/01/2022 | 00:45:00 - 01:00:00 | 5 | 8 | 17 | 15 | 6 | 3.3 | 195.0 | 5.6 | 68.0 | 989.7 |
| 03/01/2022 | 01:00:00 - 01:15:00 | 5 | 8 | 17 | 14 | 6 | 2.7 | 192.1 | 5.6 | 67.5 | 989.5 |
| 03/01/2022 | 01:15:00 - 01:30:00 | 5 | 7 | 16 | 14 | 5 | 1.6 | 194.1 | 5.7 | 67.0 | 989.4 |
| 03/01/2022 | 01:30:00 - 01:45:00 | 5 | 7 | 16 | 13 | 5 | 2.2 | 204.7 | 5.8 | 66.0 | 989.5 |
| 03/01/2022 | 01:45:00 - 02:00:00 | 5 | 7 | 15 | 13 | 5 | 2.8 | 203.9 | 5.9 | 66.0 | 989.5 |
| 03/01/2022 | 02:00:00 - 02:15:00 | 5 | 7 | 15 | 13 | 5 | 3.1 | 197.9 | 5.5 | 67.4 | 989.2 |
| 03/01/2022 | 02:15:00 - 02:30:00 | 5 | 7 | 15 | 13 | 5 | 3.8 | 196.3 | 5.4 | 68.0 | 989.1 |
| 03/01/2022 | 02:30:00 - 02:45:00 | 5 | 7 | 15 | 13 | 5 | 3.4 | 204.3 | 5.5 | 67.6 | 989.0 |
| 03/01/2022 | 02:45:00 - 03:00:00 | 5 | 7 | 15 | 13 | 5 | 3.4 | 203.2 | 5.8 | 66.0 | 988.6 |
| 03/01/2022 | 03:00:00 - 03:15:00 | 5 | 7 | 15 | 13 | 5 | 3.4 | 203.5 | 6.0 | 64.6 | 988.6 |
| 03/01/2022 | 03:15:00 - 03:30:00 | 5 | 7 | 15 | 13 | 5 | 2.6 | 213.1 | 6.2 | 63.1 | 988.4 |
| 03/01/2022 | 03:30:00 - 03:45:00 | 5 | 7 | 15 | 13 | 5 | 2.0 | 218.1 | 6.2 | 63.4 | 988.6 |
| 03/01/2022 | 03:45:00 - 04:00:00 | 5 | 7 | 16 | 13 | 5 | 2.6 | 208.9 | 6.3 | 62.3 | 988.6 |
| 03/01/2022 | 04:00:00 - 04:15:00 | 5 | 7 | 16 | 13 | 5 | 3.7 | 201.0 | 6.2 | 62.6 | 988.5 |
| 03/01/2022 | 04:15:00 - 04:30:00 | 5 | 7 | 16 | 14 | 6 | 2.1 | 200.7 | 5.8 | 64.2 | 988.7 |
| 03/01/2022 | 04:30:00 - 04:45:00 | 5 | 8 | 16 | 14 | 5 | 2.4 | 208.5 | 5.6 | 65.2 | 988.9 |
| 03/01/2022 | 04:45:00 - 05:00:00 | 5 | 8 | 17 | 14 | 6 | 1.9 | 200.2 | 5.3 | 66.3 | 988.9 |
| 03/01/2022 | 05:00:00 - 05:15:00 | 6 | 8 | 17 | 15 | 6 | 0.9 | 187.1 | 4.7 | 68.7 | 989.0 |
| 03/01/2022 | 05:15:00 - 05:30:00 | 6 | 8 | 17 | 15 | 6 | 1.5 | 182.9 | 4.2 | 70.5 | 988.8 |
| 03/01/2022 | 05:30:00 - 05:45:00 | 6 | 8 | 18 | 16 | 6 | 1.1 | 87.9 | 3.9 | 71.9 | 988.8 |
| 03/01/2022 | 05:45:00 - 06:00:00 | 6 | 8 | 19 | 16 | 6 | 2.0 | 171.7 | 3.9 | 72.4 | 988.7 |
| 03/01/2022 | 06:00:00 - 06:15:00 | 7 | 9 | 20 | 17 | 7 | 1.1 | 179.7 | 4.0 | 72.0 | 988.9 |
| 03/01/2022 | 06:15:00 - 06:30:00 | 8 | 9 | 21 | 17 | 7 | 1.7 | 191.1 | 4.4 | 70.3 | 988.9 |
| 03/01/2022 | 06:30:00 - 06:45:00 | 7 | 9 | 20 | 18 | 7 | 1.2 | 187.7 | 4.4 | 70.0 | 989.0 |
| 03/01/2022 | 06:45:00 - 07:00:00 | 7 | 10 | 21 | 19 | 8 | 2.5 | 187.5 | 4.7 | 69.4 | 988.9 |
| 03/01/2022 | 07:00:00 - 07:15:00 | 8 | 10 | 23 | 20 | 8 | 1.6 | 215.2 | 5.1 | 67.9 | 988.8 |
| 03/01/2022 | 07:15:00 - 07:30:00 | 8 | 11 | 23 | 21 | 9 | 1.8 | 190.5 | 5.5 | 66.3 | 988.9 |
| 03/01/2022 | 07:30:00 - 07:45:00 | 9 | 11 | 24 | 21 | 9 | 2.9 | 196.1 | 5.9 | 64.3 | 988.8 |
| 03/01/2022 | 07:45:00 - 08:00:00 | 9 | 12 | 24 | 22 | 9 | 3.2 | 194.1 | 6.2 | 63.0 | 988.7 |
| 03/01/2022 | 08:00:00 - 08:15:00 | 9 | 13 | 25 | 23 | 9 | 3.0 | 201.7 | 6.3 | 63.4 | 988.9 |
| 03/01/2022 | 08:15:00 - 08:30:00 | 10 | 12 | 25 | 23 | 9 | 1.7 | 196.0 | 6.8 | 61.9 | 988.9 |
| 03/01/2022 | 08:30:00 - 08:45:00 | 9 | 12 | 25 | 23 | 9 | 1.6 | 216.7 | 7.3 | 60.8 | 989.0 |
| 03/01/2022 | 08:45:00 - 09:00:00 | 10 | 11 | 25 | 23 | 10 | 0.9 | 207.6 | 7.8 | 60.0 | 989.1 |
| 03/01/2022 | 09:00:00 - 09:15:00 | 9 | 12 | 24 | 23 | 9 | 1.9 | 214.6 | 8.0 | 59.9 | 989.0 |
| 03/01/2022 | 09:15:00 - 09:30:00 | 9 | 11 | 24 | 22 | 9 | 2.0 | 219.3 | 8.4 | 59.4 | 988.9 |
| 03/01/2022 | 09:30:00 - 09:45:00 | 10 | 11 | 25 | 22 | 9 | 2.8 | 199.9 | 9.1 | 58.3 | 988.9 |
| 03/01/2022 | 09:45:00 - 10:00:00 | 10 | 12 | 24 | 22 | 9 | 3.9 | 199.9 | 9.5 | 57.1 | 988.9 |
| 03/01/2022 | 10:00:00 - 10:15:00 | 11 | 11 | 26 | 23 | 9 | 1.8 | 205.2 | 10.1 | 56.9 | 989.0 |
| 03/01/2022 | 10:15:00 - 10:30:00 | 16 | 12 | 33 | 23 | 10 | 1.9 | 227.3 | 10.7 | 56.1 | 989.0 |
| 03/01/2022 | 10:30:00 - 10:45:00 | 14 | 12 | 30 | 23 | 10 | 1.6 | 200.8 | 11.3 | 56.7 | 989.0 |
| 03/01/2022 | 10:45:00 - 11:00:00 | 13 | 11 | 29 | 23 | 9 | 2.6 | 220.5 | 12.0 | 55.3 | 988.9 |
| 03/01/2022 | 11:00:00 - 11:15:00 | 12 | 11 | 26 | 22 | 9 | 2.4 | 218.8 | 12.6 | 53.7 | 988.7 |
| 03/01/2022 | 11:15:00 - 11:30:00 | 14 | 12 | 29 | 22 | 9 | 2.1 | 228.3 | 13.2 | 52.4 | 988.5 |
| 03/01/2022 | 11:30:00 - 11:45:00 | 9 | 10 | 21 | 21 | 8 | 2.4 | 212.3 | 14.1 | 51.0 | 988.4 |
| 03/01/2022 | 11:45:00 - 12:00:00 | 9 | 10 | 20 | 21 | 8 | 1.9 | 236.4 | 14.4 | 51.3 | 988.3 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 03/01/2022 | 12:00:00 - 12:15:00 | 13 | 10 | 25 | 21 | 8 | 1.9 | 246.4 | 15.0 | 50.0 | 988.1 |
| 03/01/2022 | 12:15:00 - 12:30:00 | 13 | 10 | 27 | 21 | 8 | 2.5 | 227.8 | 15.3 | 50.0 | 987.8 |
| 03/01/2022 | 12:30:00 - 12:45:00 | 10 | 9 | 21 | 19 | 7 | 2.3 | 269.7 | 15.8 | 47.9 | 987.7 |
| 03/01/2022 | 12:45:00 - 13:00:00 | 12 | 10 | 23 | 19 | 7 | 1.9 | 257.0 | 15.8 | 50.7 | 987.6 |
| 03/01/2022 | 13:00:00 - 13:15:00 | 10 | 10 | 21 | 19 | 7 | 1.9 | 261.8 | 16.1 | 49.7 | 987.5 |
| 03/01/2022 | 13:15:00 - 13:30:00 | 11 | 9 | 22 | 19 | 7 | 2.3 | 273.3 | 16.4 | 49.1 | 987.5 |
| 03/01/2022 | 13:30:00 - 13:45:00 | 20 | 8 | 37 | 16 | 6 | 3.5 | 305.6 | 17.2 | 44.2 | 987.4 |
| 03/01/2022 | 13:45:00 - 14:00:00 | 28 | 10 | 50 | 23 | 7 | 3.7 | 295.7 | 17.7 | 39.8 | 987.4 |
| 03/01/2022 | 14:00:00 - 14:15:00 | 8 | 10 | 17 | 21 | 7 | 3.4 | 293.3 | 17.5 | 39.9 | 987.4 |
| 03/01/2022 | 14:15:00 - 14:30:00 | 8 | 9 | 16 | 19 | 6 | 3.9 | 286.3 | 17.1 | 40.1 | 987.4 |
| 03/01/2022 | 14:30:00 - 14:45:00 | 7 | 8 | 17 | 18 | 7 | 6.0 | 302.4 | 16.8 | 42.1 | 987.8 |
| 03/01/2022 | 14:45:00 - 15:00:00 | 7 | 9 | 14 | 16 | 6 | 3.4 | 295.9 | 16.7 | 43.3 | 988.0 |
| 03/01/2022 | 15:00:00 - 15:15:00 | 7 | 8 | 15 | 17 | 6 | 4.2 | 300.7 | 16.7 | 42.3 | 987.9 |
| 03/01/2022 | 15:15:00 - 15:30:00 | 8 | 8 | 16 | 17 | 7 | 3.4 | 322.1 | 16.8 | 44.7 | 988.1 |
| 03/01/2022 | 15:30:00 - 15:45:00 | 7 | 9 | 16 | 18 | 7 | 3.5 | 303.6 | 16.7 | 44.0 | 988.3 |
| 03/01/2022 | 15:45:00 - 16:00:00 | 8 | 9 | 17 | 18 | 7 | 3.6 | 310.1 | 16.2 | 46.3 | 988.5 |
| 03/01/2022 | 16:00:00 - 16:15:00 | 9 | 9 | 19 | 19 | 8 | 2.6 | 331.1 | 15.9 | 49.8 | 988.6 |
| 03/01/2022 | 16:15:00 - 16:30:00 | 9 | 9 | 19 | 19 | 8 | 2.5 | 337.9 | 15.5 | 49.9 | 988.8 |
| 03/01/2022 | 16:30:00 - 16:45:00 | 9 | 9 | 20 | 20 | 8 | 2.4 | 329.1 | 15.3 | 49.0 | 988.7 |
| 03/01/2022 | 16:45:00 - 17:00:00 | 9 | 10 | 21 | 21 | 8 | 2.2 | 335.0 | 15.0 | 52.8 | 988.9 |
| 03/01/2022 | 17:00:00 - 17:15:00 | 9 | 10 | 22 | 23 | 9 | 2.2 | 339.7 | 14.1 | 57.8 | 989.1 |
| 03/01/2022 | 17:15:00 - 17:30:00 | 10 | 11 | 23 | 24 | 9 | 1.7 | 348.7 | 13.6 | 60.2 | 989.3 |
| 03/01/2022 | 17:30:00 - 17:45:00 | 9 | 10 | 21 | 23 | 9 | 1.6 | 356.5 | 12.9 | 64.2 | 989.5 |
| 03/01/2022 | 17:45:00 - 18:00:00 | 9 | 11 | 22 | 24 | 9 | 1.6 | 355.6 | 12.0 | 65.1 | 989.9 |
| 03/01/2022 | 18:00:00 - 18:15:00 | 9 | 11 | 22 | 24 | 9 | 1.7 | 2.4 | 11.4 | 66.7 | 990.2 |
| 03/01/2022 | 18:15:00 - 18:30:00 | 9 | 11 | 22 | 24 | 10 | 1.6 | 3.7 | 11.0 | 70.0 | 990.6 |
| 03/01/2022 | 18:30:00 - 18:45:00 | 11 | 12 | 25 | 27 | 11 | 2.2 | 354.0 | 10.5 | 73.4 | 990.6 |
| 03/01/2022 | 18:45:00 - 19:00:00 | 11 | 13 | 28 | 28 | 11 | 1.4 | 5.7 | 9.9 | 76.1 | 990.8 |
| 03/01/2022 | 19:00:00 - 19:15:00 | 11 | 13 | 27 | 29 | 11 | 1.2 | 6.7 | 9.3 | 78.2 | 990.9 |
| 03/01/2022 | 19:15:00 - 19:30:00 | 12 | 14 | 29 | 33 | 13 | 0.6 | 12.2 | 8.7 | 80.9 | 991.1 |
| 03/01/2022 | 19:30:00 - 19:45:00 | 15 | 16 | 34 | 40 | 14 | 1.1 | 14.4 | 8.1 | 83.3 | 991.2 |
| 03/01/2022 | 19:45:00 - 20:00:00 | 14 | 16 | 32 | 40 | 14 | 0.5 | 66.2 | 7.3 | 85.4 | 991.3 |
| 03/01/2022 | 20:00:00 - 20:15:00 | 14 | 17 | 33 | 38 | 14 | 0.8 | 10.9 | 6.7 | 88.6 | 991.3 |
| 03/01/2022 | 20:15:00 - 20:30:00 | 14 | 17 | 32 | 39 | 14 | 0.5 | 9.7 | 6.4 | 89.6 | 991.4 |
| 03/01/2022 | 20:30:00 - 20:45:00 | 16 | 21 | 37 | 44 | 16 | 0.7 | 244.3 | 6.3 | 90.6 | 991.5 |
| 03/01/2022 | 20:45:00 - 21:00:00 | 20 | 34 | 49 | 71 | 25 | 0.2 | 334.6 | 5.8 | 91.1 | 991.7 |
| 03/01/2022 | 21:00:00 - 21:15:00 | 25 | 30 | 59 | 67 | 23 | 1.3 | 42.9 | 5.4 | 92.8 | 991.9 |
| 03/01/2022 | 21:15:00 - 21:30:00 | 23 | 26 | 53 | 67 | 24 | 1.5 | 57.6 | 4.9 | 93.9 | 992.1 |
| 03/01/2022 | 21:30:00 - 21:45:00 | 20 | 23 | 48 | 61 | 22 | 0.4 | 80.9 | 4.6 | 94.5 | 992.1 |
| 03/01/2022 | 21:45:00 - 22:00:00 | 18 | 24 | 44 | 60 | 20 | 1.9 | 65.4 | 4.5 | 95.0 | 992.1 |
| 03/01/2022 | 22:00:00 - 22:15:00 | 18 | 23 | 43 | 55 | 19 | 1.4 | 49.2 | 4.0 | 95.7 | 992.1 |
| 03/01/2022 | 22:15:00 - 22:30:00 | 18 | 23 | 42 | 52 | 17 | 1.4 | 62.8 | 3.7 | 96.0 | 992.1 |
| 03/01/2022 | 22:30:00 - 22:45:00 | 17 | 22 | 41 | 53 | 17 | 1.4 | 56.6 | 3.5 | 96.7 | 992.1 |
| 03/01/2022 | 22:45:00 - 23:00:00 | 15 | 21 | 39 | 52 | 17 | 1.9 | 51.8 | 3.6 | 97.1 | 992.1 |
| 03/01/2022 | 23:00:00 - 23:15:00 | 16 | 21 | 40 | 63 | 16 | 3.2 | 49.3 | 4.4 | 93.8 | 992.1 |
| 03/01/2022 | 23:15:00 - 23:30:00 | 18 | 24 | 45 | 69 | 17 | 2.9 | 55.2 | 4.4 | 89.7 | 992.2 |
| 03/01/2022 | 23:30:00 - 23:45:00 | 21 | 25 | 52 | 68 | 19 | 2.9 | 64.2 | 4.1 | 88.4 | 992.3 |
| 03/02/2022 | 23:45:00 - 00:00:00 | 20 | 26 | 54 | 73 | 19 | 3.8 | 49.0 | 3.8 | 88.0 | 992.4 |
| 03/02/2022 | 00:00:00 - 00:15:00 | 20 | 26 | 55 | 73 | 20 | 3.4 | 77.1 | 3.6 | 88.0 | 992.3 |
| 03/02/2022 | 00:15:00 - 00:30:00 | 18 | 24 | 49 | 64 | 19 | 2.3 | 81.4 | 3.3 | 88.4 | 992.3 |
| 03/02/2022 | 00:30:00 - 00:45:00 | 19 | 25 | 50 | 61 | 21 | 2.0 | 81.9 | 2.9 | 89.2 | 992.4 |
| 03/02/2022 | 00:45:00 - 01:00:00 | 19 | 25 | 50 | 60 | 20 | 1.6 | 82.9 | 2.5 | 90.5 | 992.4 |
| 03/02/2022 | 01:00:00 - 01:15:00 | 20 | 28 | 50 | 65 | 22 | 1.6 | 122.4 | 2.2 | 91.6 | 992.3 |
| 03/02/2022 | 01:15:00 - 01:30:00 | 19 | 29 | 49 | 71 | 21 | 2.0 | 98.1 | 2.1 | 92.4 | 992.1 |
| 03/02/2022 | 01:30:00 - 01:45:00 | 23 | 31 | 58 | 73 | 25 | 1.3 | 77.1 | 2.1 | 93.0 | 992.3 |
| 03/02/2022 | 01:45:00 - 02:00:00 | 22 | 28 | 55 | 65 | 23 | 0.8 | 114.4 | 1.7 | 93.1 | 992.4 |
| 03/02/2022 | 02:00:00 - 02:15:00 | 21 | 28 | 52 | 65 | 22 | 1.3 | 97.5 | 1.3 | 94.1 | 992.3 |
| 03/02/2022 | 02:15:00 - 02:30:00 | 20 | 30 | 52 | 74 | 22 | 3.4 | 81.6 | 1.7 | 94.2 | 992.1 |
| 03/02/2022 | 02:30:00 - 02:45:00 | 19 | 39 | 53 | 100 | 23 | 3.3 | 91.9 | 2.4 | 91.0 | 992.0 |
| 03/02/2022 | 02:45:00 - 03:00:00 | 18 | 31 | 52 | 96 | 21 | 2.9 | 77.8 | 2.6 | 89.2 | 992.1 |
| 03/02/2022 | 03:00:00 - 03:15:00 | 17 | 23 | 48 | 70 | 19 | 4.6 | 94.3 | 2.5 | 88.5 | 992.1 |
| 03/02/2022 | 03:15:00 - 03:30:00 | 17 | 22 | 45 | 62 | 18 | 4.3 | 95.3 | 2.7 | 86.7 | 991.9 |
| 03/02/2022 | 03:30:00 - 03:45:00 | 16 | 21 | 44 | 57 | 18 | 3.2 | 101.5 | 2.7 | 86.2 | 991.9 |
| 03/02/2022 | 03:45:00 - 04:00:00 | 17 | 21 | 45 | 56 | 18 | 3.4 | 111.8 | 3.0 | 85.8 | 991.8 |
| 03/02/2022 | 04:00:00 - 04:15:00 | 17 | 22 | 46 | 55 | 19 | 2.5 | 116.1 | 2.9 | 86.0 | 991.9 |
| 03/02/2022 | 04:15:00 - 04:30:00 | 17 | 23 | 46 | 55 | 19 | 2.9 | 121.5 | 2.9 | 86.0 | 991.9 |
| 03/02/2022 | 04:30:00 - 04:45:00 | 18 | 23 | 47 | 55 | 19 | 2.9 | 128.3 | 2.9 | 86.0 | 992.0 |
| 03/02/2022 | 04:45:00 - 05:00:00 | 18 | 23 | 48 | 54 | 20 | 3.2 | 123.6 | 2.9 | 86.0 | 991.9 |
| 03/02/2022 | 05:00:00 - 05:15:00 | 18 | 24 | 47 | 53 | 19 | 3.2 | 119.1 | 3.0 | 85.6 | 992.0 |
| 03/02/2022 | 05:15:00 - 05:30:00 | 18 | 23 | 46 | 52 | 19 | 2.5 | 123.0 | 2.9 | 86.0 | 992.2 |
| 03/02/2022 | 05:30:00 - 05:45:00 | 18 | 23 | 46 | 52 | 19 | 2.7 | 130.0 | 2.9 | 86.0 | 992.3 |
| 03/02/2022 | 05:45:00 - 06:00:00 | 17 | 23 | 45 | 51 | 19 | 3.7 | 126.0 | 3.1 | 85.2 | 992.2 |
| 03/02/2022 | 06:00:00 - 06:15:00 | 16 | 21 | 42 | 46 | 17 | 3.4 | 112.3 | 3.3 | 83.5 | 992.3 |
| 03/02/2022 | 06:15:00 - 06:30:00 | 14 | 19 | 38 | 41 | 16 | 3.2 | 114.7 | 3.5 | 81.2 | 992.2 |
| 03/02/2022 | 06:30:00 - 06:45:00 | 14 | 18 | 37 | 38 | 15 | 3.6 | 121.0 | 3.6 | 80.0 | 992.1 |
| 03/02/2022 | 06:45:00 - 07:00:00 | 13 | 17 | 37 | 39 | 15 | 2.8 | 111.2 | 3.7 | 79.1 | 992.4 |
| 03/02/2022 | 07:00:00 - 07:15:00 | 13 | 17 | 36 | 38 | 15 | 2.9 | 126.6 | 4.0 | 78.2 | 992.4 |
| 03/02/2022 | 07:15:00 - 07:30:00 | 13 | 16 | 35 | 36 | 15 | 2.3 | 125.9 | 4.4 | 77.3 | 992.4 |
| 03/02/2022 | 07:30:00 - 07:45:00 | 12 | 16 | 33 | 33 | 14 | 2.5 | 125.9 | 5.5 | 73.8 | 992.7 |
| 03/02/2022 | 07:45:00 - 08:00:00 | 12 | 15 | 31 | 32 | 13 | 3.4 | 132.1 | 6.3 | 71.0 | 992.5 |
| 03/02/2022 | 08:00:00 - 08:15:00 | 11 | 14 | 30 | 31 | 13 | 2.8 | 130.8 | 7.3 | 68.8 | 992.5 |
| 03/02/2022 | 08:15:00 - 08:30:00 | 11 | 14 | 29 | 30 | 12 | 2.5 | 133.4 | 7.9 | 67.3 | 992.6 |
| 03/02/2022 | 08:30:00 - 08:45:00 | 13 | 15 | 32 | 31 | 12 | 2.0 | 162.2 | 8.6 | 65.9 | 992.6 |
| 03/02/2022 | 08:45:00 - 09:00:00 | 12 | 14 | 30 | 31 | 14 | 2.5 | 135.6 | 8.4 | 65.9 | 992.5 |
| 03/02/2022 | 09:00:00 - 09:15:00 | 12 | 14 | 29 | 32 | 14 | 2.0 | 176.3 | 8.8 | 67.1 | 992.6 |
| 03/02/2022 | 09:15:00 - 09:30:00 | 12 | 14 | 30 | 31 | 12 | 3.2 | 186.1 | 8.5 | 68.7 | 992.4 |
| 03/02/2022 | 09:30:00 - 09:45:00 | 13 | 15 | 30 | 31 | 12 | 3.0 | 195.9 | 8.7 | 70.7 | 992.5 |
| 03/02/2022 | 09:45:00 - 10:00:00 | 13 | 15 | 31 | 31 | 12 | 3.1 | 195.4 | 9.4 | 70.7 | 992.4 |
| 03/02/2022 | 10:00:00 - 10:15:00 | 13 | 14 | 30 | 32 | 14 | 1.7 | 164.4 | 11.0 | 68.1 | 992.3 |
| 03/02/2022 | 10:15:00 - 10:30:00 | 25 | 19 | 43 | 51 | 18 | 2.4 | 185.5 | 11.3 | 67.9 | 992.1 |
| 03/02/2022 | 10:30:00 - 10:45:00 | 12 | 13 | 27 | 49 | 15 | 2.4 | 166.9 | 12.2 | 66.4 | 991.8 |
| 03/02/2022 | 10:45:00 - 11:00:00 | 12 | 14 | 28 | 34 | 12 | 2.4 | 163.1 | 12.1 | 67.8 | 991.6 |
| 03/02/2022 | 11:00:00 - 11:15:00 | 12 | 13 | 27 | 31 | 13 | 2.3 | 193.4 | 13.0 | 67.2 | 991.4 |
| 03/02/2022 | 11:15:00 - 11:30:00 | 12 | 13 | 26 | 29 | 11 | 3.0 | 193.6 | 13.9 | 62.0 | 991.2 |
| 03/02/2022 | 11:30:00 - 11:45:00 | 13 | 12 | 27 | 29 | 12 | 2.6 | 184.4 | 14.2 | 63.0 | 990.9 |
| 03/02/2022 | 11:45:00 - 12:00:00 | 12 | 12 | 25 | 31 | 11 | 2.7 | 187.5 | 14.2 | 63.2 | 990.6 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 03/02/2022 | 12:00:00 - 12:15:00 | 12 | 13 | 25 | 28 | 11 | 2.2 | 182.1 | 14.4 | 64.1 | 990.3 |
| 03/02/2022 | 12:15:00 - 12:30:00 | 11 | 12 | 24 | 26 | 11 | 2.7 | 195.0 | 14.8 | 62.0 | 990.2 |
| 03/02/2022 | 12:30:00 - 12:45:00 | 12 | 12 | 24 | 24 | 10 | 3.5 | 207.0 | 15.4 | 59.8 | 989.9 |
| 03/02/2022 | 12:45:00 - 13:00:00 | 11 | 12 | 23 | 24 | 9 | 3.6 | 208.5 | 16.2 | 57.6 | 989.6 |
| 03/02/2022 | 13:00:00 - 13:15:00 | 11 | 12 | 23 | 23 | 9 | 3.3 | 206.4 | 16.8 | 57.5 | 989.3 |
| 03/02/2022 | 13:15:00 - 13:30:00 | 12 | 12 | 24 | 23 | 9 | 3.2 | 211.6 | 17.4 | 56.5 | 989.1 |
| 03/02/2022 | 13:30:00 - 13:45:00 | 11 | 12 | 24 | 21 | 8 | 3.4 | 231.5 | 18.4 | 54.0 | 988.9 |
| 03/02/2022 | 13:45:00 - 14:00:00 | 12 | 11 | 24 | 20 | 8 | 4.2 | 227.3 | 18.2 | 55.0 | 988.8 |
| 03/02/2022 | 14:00:00 - 14:15:00 | 12 | 9 | 24 | 18 | 7 | 2.7 | 244.5 | 18.2 | 55.9 | 988.5 |
| 03/02/2022 | 14:15:00 - 14:30:00 | 8 | 9 | 16 | 29 | 6 | 2.2 | 224.5 | 18.2 | 56.9 | 988.4 |
| 03/02/2022 | 14:30:00 - 14:45:00 | 7 | 9 | 14 | 77 | 6 | 2.6 | 212.3 | 18.2 | 56.7 | 988.4 |
| 03/02/2022 | 14:45:00 - 15:00:00 | 7 | 7 | 13 | 15 | 6 | 3.4 | 211.7 | 18.5 | 56.9 | 988.3 |
| 03/02/2022 | 15:00:00 - 15:15:00 | 7 | 7 | 14 | 25 | 6 | 3.2 | 206.4 | 18.4 | 56.1 | 988.2 |
| 03/02/2022 | 15:15:00 - 15:30:00 | 7 | 8 | 14 | 28 | 6 | 2.3 | 231.4 | 18.1 | 58.1 | 988.2 |
| 03/02/2022 | 15:30:00 - 15:45:00 | 7 | 8 | 13 | 20 | 6 | 3.3 | 215.1 | 17.9 | 60.2 | 987.8 |
| 03/02/2022 | 15:45:00 - 16:00:00 | 6 | 7 | 13 | 33 | 5 | 2.1 | 222.9 | 17.9 | 60.2 | 987.8 |
| 03/02/2022 | 16:00:00 - 16:15:00 | 6 | 7 | 13 | 24 | 5 | 1.4 | 258.9 | 17.6 | 61.2 | 988.0 |
| 03/02/2022 | 16:15:00 - 16:30:00 | 5 | 6 | 11 | 19 | 5 | 1.4 | 247.4 | 17.4 | 62.8 | 988.0 |
| 03/02/2022 | 16:30:00 - 16:45:00 | 5 | 8 | 12 | 29 | 5 | 1.6 | 279.3 | 17.4 | 64.4 | 987.9 |
| 03/02/2022 | 16:45:00 - 17:00:00 | 7 | 11 | 15 | 19 | 5 | 1.5 | 285.3 | 17.0 | 66.6 | 987.8 |
| 03/02/2022 | 17:00:00 - 17:15:00 | 8 | 12 | 16 | 36 | 7 | 1.2 | 274.1 | 16.7 | 67.6 | 987.9 |
| 03/02/2022 | 17:15:00 - 17:30:00 | 10 | 10 | 20 | 24 | 9 | 1.6 | 338.7 | 16.2 | 69.5 | 988.1 |
| 03/02/2022 | 17:30:00 - 17:45:00 | 9 | 11 | 19 | 25 | 10 | 0.7 | 325.1 | 15.6 | 71.8 | 988.1 |
| 03/02/2022 | 17:45:00 - 18:00:00 | 11 | 13 | 23 | 29 | 11 | 0.7 | 16.1 | 15.0 | 74.1 | 988.0 |
| 03/02/2022 | 18:00:00 - 18:15:00 | 11 | 12 | 24 | 27 | 11 | 1.3 | 321.7 | 14.3 | 75.3 | 988.2 |
| 03/02/2022 | 18:15:00 - 18:30:00 | 13 | 13 | 30 | 32 | 13 | 0.6 | 324.0 | 14.0 | 75.8 | 988.3 |
| 03/02/2022 | 18:30:00 - 18:45:00 | 14 | 16 | 32 | 34 | 14 | 0.9 | 293.2 | 13.6 | 77.3 | 988.5 |
| 03/02/2022 | 18:45:00 - 19:00:00 | 15 | 17 | 34 | 38 | 15 | 0.5 | 287.4 | 13.1 | 79.0 | 988.7 |
| 03/02/2022 | 19:00:00 - 19:15:00 | 15 | 18 | 35 | 40 | 15 | 0.6 | 307.7 | 13.0 | 79.4 | 988.8 |
| 03/02/2022 | 19:15:00 - 19:30:00 | 16 | 19 | 36 | 41 | 15 | 0.7 | 258.7 | 12.5 | 80.5 | 988.8 |
| 03/02/2022 | 19:30:00 - 19:45:00 | 16 | 20 | 36 | 42 | 16 | 1.0 | 272.7 | 12.4 | 81.1 | 988.9 |
| 03/02/2022 | 19:45:00 - 20:00:00 | 17 | 21 | 38 | 43 | 16 | 1.0 | 330.7 | 12.1 | 82.4 | 989.0 |
| 03/02/2022 | 20:00:00 - 20:15:00 | 18 | 21 | 42 | 45 | 18 | 0.2 | 341.0 | 11.4 | 83.7 | 989.0 |
| 03/02/2022 | 20:15:00 - 20:30:00 | 18 | 20 | 42 | 49 | 19 | 1.9 | 348.7 | 11.1 | 85.2 | 989.4 |
| 03/02/2022 | 20:30:00 - 20:45:00 | 12 | 14 | 31 | 32 | 12 | 2.4 | 358.3 | 11.6 | 82.1 | 989.8 |
| 03/02/2022 | 20:45:00 - 21:00:00 | 13 | 14 | 31 | 32 | 12 | 1.9 | 1.7 | 10.9 | 83.2 | 989.9 |
| 03/02/2022 | 21:00:00 - 21:15:00 | 13 | 16 | 33 | 33 | 13 | 1.8 | 7.4 | 10.2 | 84.2 | 990.1 |
| 03/02/2022 | 21:15:00 - 21:30:00 | 14 | 16 | 34 | 35 | 13 | 2.2 | 358.0 | 9.7 | 85.0 | 990.3 |
| 03/02/2022 | 21:30:00 - 21:45:00 | 15 | 18 | 38 | 37 | 15 | 2.8 | 0.7 | 9.2 | 85.0 | 990.6 |
| 03/02/2022 | 21:45:00 - 22:00:00 | 18 | 20 | 44 | 44 | 18 | 4.6 | 27.9 | 8.9 | 82.1 | 990.9 |
| 03/02/2022 | 22:00:00 - 22:15:00 | 22 | 25 | 54 | 53 | 22 | 5.2 | 37.4 | 7.8 | 79.2 | 991.2 |
| 03/02/2022 | 22:15:00 - 22:30:00 | 23 | 26 | 57 | 57 | 24 | 3.6 | 33.9 | 6.9 | 81.5 | 991.4 |
| 03/02/2022 | 22:30:00 - 22:45:00 | 25 | 28 | 61 | 61 | 25 | 4.5 | 41.1 | 6.3 | 82.3 | 991.5 |
| 03/02/2022 | 22:45:00 - 23:00:00 | 25 | 29 | 63 | 63 | 26 | 4.3 | 40.5 | 5.8 | 83.6 | 991.8 |
| 03/02/2022 | 23:00:00 - 23:15:00 | 26 | 30 | 64 | 64 | 26 | 4.7 | 37.8 | 5.4 | 84.0 | 992.2 |
| 03/02/2022 | 23:15:00 - 23:30:00 | 25 | 30 | 63 | 64 | 26 | 4.5 | 40.5 | 4.9 | 84.4 | 992.0 |
| 03/02/2022 | 23:30:00 - 23:45:00 | 24 | 29 | 61 | 62 | 25 | 4.2 | 42.2 | 4.6 | 84.9 | 992.1 |
| 03/03/2022 | 23:45:00 - 00:00:00 | 23 | 28 | 59 | 59 | 24 | 4.5 | 41.6 | 4.3 | 85.0 | 992.5 |
| 03/03/2022 | 00:00:00 - 00:15:00 | 23 | 27 | 58 | 59 | 24 | 4.9 | 42.0 | 3.9 | 86.0 | 992.9 |
| 03/03/2022 | 00:15:00 - 00:30:00 | 23 | 27 | 58 | 59 | 24 | 4.1 | 45.3 | 3.6 | 87.4 | 993.1 |
| 03/03/2022 | 00:30:00 - 00:45:00 | 23 | 27 | 58 | 59 | 24 | 4.2 | 47.2 | 3.3 | 88.4 | 993.4 |
| 03/03/2022 | 00:45:00 - 01:00:00 | 22 | 27 | 56 | 58 | 23 | 4.6 | 45.7 | 3.1 | 89.0 | 993.8 |
| 03/03/2022 | 01:00:00 - 01:15:00 | 22 | 26 | 56 | 57 | 23 | 5.3 | 45.7 | 2.9 | 89.1 | 993.8 |
| 03/03/2022 | 01:15:00 - 01:30:00 | 22 | 26 | 56 | 55 | 23 | 4.3 | 53.0 | 2.7 | 89.0 | 993.6 |
| 03/03/2022 | 01:30:00 - 01:45:00 | 20 | 25 | 53 | 53 | 21 | 5.1 | 49.2 | 2.5 | 89.0 | 993.8 |
| 03/03/2022 | 01:45:00 - 02:00:00 | 20 | 24 | 52 | 53 | 21 | 4.5 | 51.5 | 2.4 | 88.3 | 994.0 |
| 03/03/2022 | 02:00:00 - 02:15:00 | 20 | 25 | 53 | 54 | 22 | 3.9 | 49.2 | 2.4 | 88.0 | 994.3 |
| 03/03/2022 | 02:15:00 - 02:30:00 | 21 | 26 | 55 | 57 | 23 | 3.3 | 46.8 | 2.1 | 88.9 | 994.5 |
| 03/03/2022 | 02:30:00 - 02:45:00 | 22 | 27 | 58 | 60 | 24 | 4.3 | 40.6 | 1.8 | 89.0 | 994.6 |
| 03/03/2022 | 02:45:00 - 03:00:00 | 24 | 30 | 63 | 65 | 26 | 4.2 | 45.0 | 1.6 | 89.5 | 994.8 |
| 03/03/2022 | 03:00:00 - 03:15:00 | 25 | 31 | 64 | 68 | 27 | 4.6 | 36.3 | 1.5 | 90.0 | 995.0 |
| 03/03/2022 | 03:15:00 - 03:30:00 | 24 | 30 | 63 | 66 | 27 | 5.2 | 46.1 | 1.2 | 90.3 | 994.9 |
| 03/03/2022 | 03:30:00 - 03:45:00 | 20 | 26 | 54 | 55 | 22 | 5.0 | 56.2 | 1.0 | 89.7 | 995.2 |
| 03/03/2022 | 03:45:00 - 04:00:00 | 16 | 21 | 44 | 44 | 18 | 4.4 | 45.4 | 0.7 | 88.8 | 995.6 |
| 03/03/2022 | 04:00:00 - 04:15:00 | 13 | 16 | 35 | 34 | 13 | 6.2 | 50.7 | 0.4 | 86.8 | 995.6 |
| 03/03/2022 | 04:15:00 - 04:30:00 | 10 | 13 | 30 | 28 | 11 | 5.1 | 55.5 | 0.2 | 85.7 | 996.0 |
| 03/03/2022 | 04:30:00 - 04:45:00 | 7 | 10 | 22 | 21 | 8 | 6.5 | 49.4 | 0.1 | 83.5 | 996.2 |
| 03/03/2022 | 04:45:00 - 05:00:00 | 6 | 9 | 20 | 18 | 7 | 4.6 | 53.3 | 0.0 | 83.1 | 996.6 |
| 03/03/2022 | 05:00:00 - 05:15:00 | 6 | 9 | 19 | 19 | 7 | 4.9 | 43.2 | -0.1 | 84.0 | 997.1 |
| 03/03/2022 | 05:15:00 - 05:30:00 | 5 | 9 | 19 | 19 | 7 | 5.0 | 42.5 | -0.1 | 84.3 | 997.6 |
| 03/03/2022 | 05:30:00 - 05:45:00 | 5 | 9 | 19 | 19 | 7 | 4.0 | 38.8 | -0.1 | 84.9 | 998.0 |
| 03/03/2022 | 05:45:00 - 06:00:00 | 5 | 9 | 19 | 19 | 6 | 4.6 | 50.2 | -0.1 | 85.0 | 997.8 |
| 03/03/2022 | 06:00:00 - 06:15:00 | 5 | 8 | 19 | 18 | 6 | 4.2 | 50.3 | -0.1 | 85.0 | 998.3 |
| 03/03/2022 | 06:15:00 - 06:30:00 | 5 | 8 | 18 | 17 | 6 | 5.3 | 43.6 | -0.1 | 84.7 | 998.4 |
| 03/03/2022 | 06:30:00 - 06:45:00 | 6 | 8 | 21 | 16 | 6 | 4.5 | 40.6 | 0.0 | 84.3 | 998.6 |
| 03/03/2022 | 06:45:00 - 07:00:00 | 5 | 7 | 17 | 16 | 5 | 4.3 | 45.7 | 0.1 | 84.0 | 998.8 |
| 03/03/2022 | 07:00:00 - 07:15:00 | 4 | 7 | 15 | 15 | 5 | 3.7 | 34.4 | 0.1 | 84.9 | 998.9 |
| 03/03/2022 | 07:15:00 - 07:30:00 | 3 | 6 | 14 | 12 | 7 | 4.5 | 41.6 | 0.1 | 84.9 | 999.1 |
| 03/03/2022 | 07:30:00 - 07:45:00 | 3 | 6 | 13 | 11 | 4 | 4.6 | 42.9 | 0.2 | 84.2 | 999.5 |
| 03/03/2022 | 07:45:00 - 08:00:00 | 3 | 5 | 13 | 10 | 3 | 4.1 | 37.5 | 0.3 | 83.7 | 1000.0 |
| 03/03/2022 | 08:00:00 - 08:15:00 | 2 | 5 | 12 | 10 | 4 | 4.3 | 34.6 | 0.4 | 81.7 | 1000.3 |
| 03/03/2022 | 08:15:00 - 08:30:00 | 2 | 5 | 12 | 9 | 6 | 4.0 | 39.1 | 0.3 | 80.3 | 1000.8 |
| 03/03/2022 | 08:30:00 - 08:45:00 | 2 | 5 | 11 | 9 | 5 | 4.9 | 42.5 | 0.2 | 78.8 | 1000.9 |
| 03/03/2022 | 08:45:00 - 09:00:00 | 2 | 5 | 11 | 9 | 3 | 5.3 | 43.5 | 0.3 | 77.4 | 1000.9 |
| 03/03/2022 | 09:00:00 - 09:15:00 | 2 | 4 | 11 | 9 | 3 | 5.1 | 44.6 | 0.7 | 75.7 | 1000.9 |
| 03/03/2022 | 09:15:00 - 09:30:00 | 2 | 4 | 10 | 9 | 3 | 5.4 | 50.9 | 0.2 | 76.4 | 1001.4 |
| 03/03/2022 | 09:30:00 - 09:45:00 | 2 | 4 | 10 | 8 | 3 | 4.7 | 42.1 | 0.5 | 76.1 | 1001.6 |
| 03/03/2022 | 09:45:00 - 10:00:00 | 2 | 4 | 10 | 9 | 4 | 3.8 | 35.8 | 0.5 | 74.6 | 1002.0 |
| 03/03/2022 | 10:00:00 - 10:15:00 | 2 | 4 | 11 | 9 | 4 | 4.4 | 41.4 | 0.4 | 73.9 | 1002.0 |
| 03/03/2022 | 10:15:00 - 10:30:00 | 2 | 4 | 10 | 8 | 3 | 2.8 | 50.4 | 0.7 | 73.6 | 1002.1 |
| 03/03/2022 | 10:30:00 - 10:45:00 | 2 | 4 | 10 | 8 | 2 | 5.3 | 56.5 | 0.6 | 72.9 | 1001.8 |
| 03/03/2022 | 10:45:00 - 11:00:00 | 2 | 4 | 10 | 8 | 3 | 5.1 | 47.8 | 0.6 | 72.6 | 1001.8 |
| 03/03/2022 | 11:00:00 - 11:15:00 | 2 | 4 | 10 | 8 | 3 | 6.0 | 55.1 | 1.1 | 71.7 | 1002.1 |
| 03/03/2022 | 11:15:00 - 11:30:00 | 2 | 4 | 10 | 8 | 3 | 5.9 | 54.3 | 1.8 | 70.0 | 1002.3 |
| 03/03/2022 | 11:30:00 - 11:45:00 | 2 | 4 | 10 | 8 | 3 | 5.8 | 55.3 | 2.0 | 67.2 | 1002.3 |
| 03/03/2022 | 11:45:00 - 12:00:00 | 2 | 4 | 9 | 8 | 3 | 5.2 | 45.6 | 2.5 | 65.3 | 1002.8 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 03/03/2022 | 12:00:00 - 12:15:00 | 2 | 4 | 9 | 8 | 3 | 5.5 | 41.6 | 2.5 | 62.6 | 1002.8 |
| 03/03/2022 | 12:15:00 - 12:30:00 | 2 | 4 | 9 | 8 | 4 | 5.9 | 55.5 | 2.0 | 61.2 | 1002.3 |
| 03/03/2022 | 12:30:00 - 12:45:00 | 2 | 4 | 9 | 8 | 4 | 6.2 | 53.6 | 1.6 | 59.5 | 1002.1 |
| 03/03/2022 | 12:45:00 - 13:00:00 | 2 | 4 | 8 | 8 | 3 | 6.1 | 54.4 | 1.9 | 57.7 | 1002.2 |
| 03/03/2022 | 13:00:00 - 13:15:00 | 2 | 4 | 9 | 8 | 2 | 5.3 | 48.2 | 2.0 | 57.8 | 1002.1 |
| 03/03/2022 | 13:15:00 - 13:30:00 | 2 | 4 | 9 | 7 | 2 | 5.7 | 52.8 | 2.8 | 55.7 | 1001.8 |
| 03/03/2022 | 13:30:00 - 13:45:00 | 2 | 4 | 9 | 7 | 4 | 4.6 | 42.9 | 3.5 | 55.1 | 1001.5 |
| 03/03/2022 | 13:45:00 - 14:00:00 | 2 | 4 | 9 | 7 | 2 | 5.4 | 48.8 | 3.4 | 55.1 | 1001.6 |
| 03/03/2022 | 14:00:00 - 14:15:00 | 2 | 4 | 8 | 8 | 3 | 5.3 | 51.7 | 3.7 | 54.4 | 1001.7 |
| 03/03/2022 | 14:15:00 - 14:30:00 | 2 | 4 | 8 | 8 | 4 | 6.2 | 59.1 | 3.5 | 53.8 | 1001.6 |
| 03/03/2022 | 14:30:00 - 14:45:00 | 2 | 4 | 8 | 8 | 4 | 6.3 | 42.6 | 3.6 | 53.2 | 1001.6 |
| 03/03/2022 | 14:45:00 - 15:00:00 | 2 | 4 | 9 | 8 | 3 | 6.7 | 45.6 | 3.3 | 53.5 | 1001.6 |
| 03/03/2022 | 15:00:00 - 15:15:00 | 2 | 4 | 9 | 9 | 3 | 6.5 | 52.0 | 3.0 | 54.3 | 1001.7 |
| 03/03/2022 | 15:15:00 - 15:30:00 | 2 | 4 | 9 | 9 | 5 | 6.2 | 56.3 | 3.1 | 54.6 | 1001.6 |
| 03/03/2022 | 15:30:00 - 15:45:00 | 3 | 4 | 10 | 10 | 5 | 6.1 | 60.5 | 2.7 | 55.0 | 1001.5 |
| 03/03/2022 | 15:45:00 - 16:00:00 | 3 | 5 | 10 | 10 | 3 | 5.7 | 52.1 | 2.4 | 57.2 | 1001.7 |
| 03/03/2022 | 16:00:00 - 16:15:00 | 3 | 5 | 11 | 10 | 3 | 5.9 | 53.7 | 2.1 | 58.4 | 1001.8 |
| 03/03/2022 | 16:15:00 - 16:30:00 | 3 | 5 | 11 | 10 | 3 | 6.2 | 55.9 | 1.8 | 60.2 | 1001.7 |
| 03/03/2022 | 16:30:00 - 16:45:00 | 4 | 5 | 14 | 10 | 4 | 5.7 | 44.8 | 1.6 | 60.8 | 1001.9 |
| 03/03/2022 | 16:45:00 - 17:00:00 | 4 | 5 | 15 | 10 | 3 | 4.9 | 45.3 | 1.4 | 62.8 | 1002.0 |
| 03/03/2022 | 17:00:00 - 17:15:00 | 4 | 5 | 16 | 11 | 4 | 4.1 | 51.9 | 1.3 | 63.7 | 1002.0 |
| 03/03/2022 | 17:15:00 - 17:30:00 | 2 | 5 | 12 | 11 | 3 | 5.3 | 53.6 | 1.1 | 64.3 | 1002.1 |
| 03/03/2022 | 17:30:00 - 17:45:00 | 2 | 5 | 12 | 11 | 3 | 4.0 | 54.3 | 0.8 | 65.2 | 1002.1 |
| 03/03/2022 | 17:45:00 - 18:00:00 | 2 | 5 | 12 | 10 | 3 | 3.6 | 54.0 | 0.6 | 66.2 | 1002.1 |
| 03/03/2022 | 18:00:00 - 18:15:00 | 3 | 5 | 13 | 11 | 4 | 3.6 | 55.5 | 0.5 | 67.0 | 1002.4 |
| 03/03/2022 | 18:15:00 - 18:30:00 | 3 | 6 | 14 | 13 | 4 | 4.0 | 51.4 | 0.4 | 68.0 | 1002.4 |
| 03/03/2022 | 18:30:00 - 18:45:00 | 3 | 6 | 14 | 13 | 4 | 4.2 | 56.4 | 0.4 | 68.1 | 1002.4 |
| 03/03/2022 | 18:45:00 - 19:00:00 | 2 | 5 | 13 | 11 | 3 | 4.8 | 55.5 | 0.3 | 68.6 | 1002.7 |
| 03/03/2022 | 19:00:00 - 19:15:00 | 3 | 6 | 13 | 12 | 4 | 4.4 | 51.7 | 0.2 | 68.7 | 1002.8 |
| 03/03/2022 | 19:15:00 - 19:30:00 | 2 | 5 | 12 | 11 | 3 | 3.9 | 60.7 | 0.0 | 68.6 | 1002.8 |
| 03/03/2022 | 19:30:00 - 19:45:00 | 2 | 5 | 11 | 10 | 3 | 3.8 | 56.4 | 0.0 | 69.6 | 1002.9 |
| 03/03/2022 | 19:45:00 - 20:00:00 | 2 | 5 | 11 | 10 | 3 | 3.4 | 64.1 | -0.2 | 70.6 | 1002.8 |
| 03/03/2022 | 20:00:00 - 20:15:00 | 2 | 5 | 12 | 11 | 3 | 3.9 | 62.2 | -0.3 | 72.2 | 1002.8 |
| 03/03/2022 | 20:15:00 - 20:30:00 | 2 | 5 | 12 | 11 | 3 | 4.0 | 63.5 | -0.5 | 73.1 | 1002.8 |
| 03/03/2022 | 20:30:00 - 20:45:00 | 2 | 5 | 12 | 10 | 3 | 4.0 | 75.9 | -0.5 | 73.6 | 1002.5 |
| 03/03/2022 | 20:45:00 - 21:00:00 | 2 | 6 | 12 | 11 | 4 | 4.1 | 71.3 | -0.5 | 72.0 | 1002.6 |
| 03/03/2022 | 21:00:00 - 21:15:00 | 3 | 8 | 14 | 16 | 4 | 4.9 | 71.4 | -0.6 | 72.5 | 1002.5 |
| 03/03/2022 | 21:15:00 - 21:30:00 | 3 | 9 | 13 | 15 | 5 | 4.5 | 67.6 | -0.7 | 73.0 | 1002.4 |
| 03/03/2022 | 21:30:00 - 21:45:00 | 4 | 9 | 15 | 13 | 6 | 3.4 | 75.3 | -0.8 | 74.4 | 1002.3 |
| 03/03/2022 | 21:45:00 - 22:00:00 | 2 | 8 | 12 | 14 | 4 | 3.9 | 84.0 | -0.8 | 74.9 | 1002.1 |
| 03/03/2022 | 22:00:00 - 22:15:00 | 2 | 7 | 12 | 13 | 4 | 4.0 | 86.2 | -0.8 | 74.9 | 1002.0 |
| 03/03/2022 | 22:15:00 - 22:30:00 | 3 | 7 | 12 | 12 | 4 | 3.6 | 82.4 | -0.8 | 75.0 | 1002.0 |
| 03/03/2022 | 22:30:00 - 22:45:00 | 2 | 8 | 12 | 13 | 4 | 3.8 | 87.8 | -0.8 | 75.4 | 1001.8 |
| 03/03/2022 | 22:45:00 - 23:00:00 | 3 | 8 | 13 | 14 | 5 | 3.4 | 80.4 | -0.8 | 76.5 | 1001.7 |
| 03/03/2022 | 23:00:00 - 23:15:00 | 3 | 9 | 15 | 13 | 5 | 3.4 | 70.5 | -0.9 | 77.1 | 1001.7 |
| 03/03/2022 | 23:15:00 - 23:30:00 | 4 | 8 | 15 | 13 | 5 | 2.7 | 69.2 | -1.1 | 77.8 | 1001.5 |
| 03/03/2022 | 23:30:00 - 23:45:00 | 3 | 9 | 14 | 15 | 5 | 3.6 | 67.8 | -1.2 | 78.6 | 1001.4 |
| 03/03/2022 | 23:45:00 - 00:00:00 | 5 | 10 | 18 | 15 | 6 | 3.1 | 60.3 | -1.3 | 79.0 | 1001.5 |
| 03/04/2022 | 00:00:00 - 00:15:00 | 6 | 15 | 19 | 17 | 9 | 3.5 | 68.9 | -1.4 | 79.6 | 1001.6 |
| 03/04/2022 | 00:15:00 - 00:30:00 | 7 | 9 | 23 | 16 | 7 | 3.2 | 59.5 | -1.4 | 80.6 | 1001.7 |
| 03/04/2022 | 00:30:00 - 00:45:00 | 3 | 6 | 14 | 14 | 4 | 4.0 | 61.7 | -1.5 | 81.0 | 1001.7 |
| 03/04/2022 | 00:45:00 - 01:00:00 | 2 | 6 | 12 | 11 | 4 | 3.8 | 64.0 | -1.5 | 81.7 | 1001.8 |
| 03/04/2022 | 01:00:00 - 01:15:00 | 2 | 6 | 13 | 12 | 4 | 3.5 | 65.7 | -1.4 | 81.6 | 1001.7 |
| 03/04/2022 | 01:15:00 - 01:30:00 | 3 | 6 | 12 | 12 | 4 | 4.0 | 68.4 | -1.5 | 80.4 | 1001.7 |
| 03/04/2022 | 01:30:00 - 01:45:00 | 3 | 6 | 13 | 13 | 4 | 3.5 | 63.0 | -1.5 | 80.9 | 1001.8 |
| 03/04/2022 | 01:45:00 - 02:00:00 | 3 | 6 | 13 | 13 | 4 | 3.9 | 66.8 | -1.6 | 81.0 | 1001.7 |
| 03/04/2022 | 02:00:00 - 02:15:00 | 3 | 7 | 14 | 12 | 4 | 4.1 | 72.2 | -1.6 | 81.0 | 1001.6 |
| 03/04/2022 | 02:15:00 - 02:30:00 | 3 | 7 | 14 | 13 | 4 | 5.1 | 75.7 | -1.6 | 81.0 | 1001.2 |
| 03/04/2022 | 02:30:00 - 02:45:00 | 3 | 7 | 15 | 13 | 5 | 5.0 | 72.3 | -1.7 | 81.5 | 1000.7 |
| 03/04/2022 | 02:45:00 - 03:00:00 | 4 | 7 | 15 | 14 | 5 | 5.5 | 75.1 | -1.7 | 81.4 | 1000.3 |
| 03/04/2022 | 03:00:00 - 03:15:00 | 4 | 7 | 15 | 14 | 5 | 5.0 | 74.8 | -1.6 | 81.3 | 1000.4 |
| 03/04/2022 | 03:15:00 - 03:30:00 | 4 | 8 | 16 | 15 | 5 | 5.2 | 76.2 | -1.6 | 81.0 | 1000.5 |
| 03/04/2022 | 03:30:00 - 03:45:00 | 4 | 8 | 16 | 15 | 5 | 5.3 | 82.3 | -1.6 | 81.0 | 1000.7 |
| 03/04/2022 | 03:45:00 - 04:00:00 | 4 | 8 | 17 | 15 | 6 | 5.1 | 84.6 | -1.6 | 81.0 | 1000.9 |
| 03/04/2022 | 04:00:00 - 04:15:00 | 4 | 8 | 17 | 15 | 6 | 4.2 | 76.9 | -1.6 | 81.0 | 1001.1 |
| 03/04/2022 | 04:15:00 - 04:30:00 | 5 | 9 | 17 | 17 | 6 | 3.3 | 74.3 | -1.7 | 81.1 | 1001.4 |
| 03/04/2022 | 04:30:00 - 04:45:00 | 5 | 9 | 18 | 17 | 6 | 3.4 | 73.9 | -1.7 | 81.2 | 1001.5 |
| 03/04/2022 | 04:45:00 - 05:00:00 | 5 | 9 | 18 | 19 | 6 | 2.9 | 65.8 | -1.8 | 81.8 | 1001.6 |
| 03/04/2022 | 05:00:00 - 05:15:00 | 5 | 9 | 18 | 18 | 6 | 3.2 | 67.9 | -1.9 | 83.0 | 1001.6 |
| 03/04/2022 | 05:15:00 - 05:30:00 | 5 | 16 | 18 | 26 | 7 | 3.4 | 74.0 | -1.9 | 83.0 | 1001.7 |
| 03/04/2022 | 05:30:00 - 05:45:00 | 5 | 14 | 19 | 26 | 7 | 3.3 | 79.9 | -1.9 | 83.0 | 1001.6 |
| 03/04/2022 | 05:45:00 - 06:00:00 | 5 | 11 | 19 | 22 | 7 | 4.5 | 83.1 | -1.9 | 83.0 | 1001.6 |
| 03/04/2022 | 06:00:00 - 06:15:00 | 5 | 10 | 19 | 20 | 7 | 5.1 | 84.5 | -1.9 | 83.0 | 1001.6 |
| 03/04/2022 | 06:15:00 - 06:30:00 | 5 | 9 | 19 | 17 | 7 | 5.2 | 84.9 | -1.9 | 83.0 | 1001.8 |
| 03/04/2022 | 06:30:00 - 06:45:00 | 5 | 9 | 19 | 17 | 6 | 5.3 | 87.6 | -1.7 | 82.8 | 1001.8 |
| 03/04/2022 | 06:45:00 - 07:00:00 | 5 | 9 | 18 | 17 | 6 | 7.0 | 87.7 | -1.4 | 81.8 | 1001.8 |
| 03/04/2022 | 07:00:00 - 07:15:00 | 5 | 8 | 18 | 16 | 11 | 6.0 | 91.8 | -1.0 | 80.4 | 1001.9 |
| 03/04/2022 | 07:15:00 - 07:30:00 | 5 | 8 | 18 | 16 | 15 | 7.1 | 92.9 | -0.6 | 78.8 | 1001.9 |
| 03/04/2022 | 07:30:00 - 07:45:00 | 5 | 8 | 19 | 16 | 6 | 5.5 | 98.3 | 0.0 | 77.2 | 1002.1 |
| 03/04/2022 | 07:45:00 - 08:00:00 | 6 | 9 | 20 | 17 | 7 | 5.0 | 110.9 | 0.5 | 74.6 | 1002.3 |
| 03/04/2022 | 08:00:00 - 08:15:00 | 6 | 8 | 19 | 17 | 8 | 5.3 | 103.4 | 0.9 | 73.3 | 1002.3 |
| 03/04/2022 | 08:15:00 - 08:30:00 | 5 | 8 | 19 | 16 | 9 | 6.8 | 92.5 | 1.3 | 72.3 | 1002.4 |
| 03/04/2022 | 08:30:00 - 08:45:00 | 5 | 8 | 20 | 16 | 7 | 9.1 | 86.9 | 1.5 | 70.6 | 1002.3 |
| 03/04/2022 | 08:45:00 - 09:00:00 | 6 | 8 | 19 | 17 | 8 | 7.1 | 95.1 | 2.0 | 68.0 | 1002.2 |
| 03/04/2022 | 09:00:00 - 09:15:00 | 5 | 8 | 19 | 18 | 7 | 6.7 | 100.1 | 2.5 | 65.7 | 1002.0 |
| 03/04/2022 | 09:15:00 - 09:30:00 | 5 | 8 | 19 | 18 | 8 | 6.0 | 101.6 | 3.2 | 63.5 | 1001.9 |
| 03/04/2022 | 09:30:00 - 09:45:00 | 6 | 8 | 19 | 24 | 6 | 7.1 | 96.2 | 3.9 | 61.5 | 1001.9 |
| 03/04/2022 | 09:45:00 - 10:00:00 | 6 | 8 | 18 | 21 | 8 | 6.8 | 94.5 | 4.0 | 61.0 | 1001.9 |
| 03/04/2022 | 10:00:00 - 10:15:00 | 6 | 8 | 18 | 26 | 8 | 5.8 | 106.0 | 4.4 | 60.1 | 1001.7 |
| 03/04/2022 | 10:15:00 - 10:30:00 | 6 | 8 | 18 | 22 | 8 | 7.2 | 96.8 | 4.5 | 60.3 | 1001.4 |
| 03/04/2022 | 10:30:00 - 10:45:00 | 6 | 8 | 17 | 21 | 7 | 5.7 | 103.7 | 4.9 | 60.3 | 1001.2 |
| 03/04/2022 | 10:45:00 - 11:00:00 | 6 | 8 | 17 | 24 | 8 | 7.1 | 94.9 | 5.1 | 60.2 | 1001.2 |
| 03/04/2022 | 11:00:00 - 11:15:00 | 6 | 8 | 17 | 20 | 8 | 5.6 | 98.6 | 5.6 | 59.5 | 1001.0 |
| 03/04/2022 | 11:15:00 - 11:30:00 | 6 | 8 | 17 | 29 | 8 | 6.1 | 103.8 | 5.8 | 59.5 | 1000.7 |
| 03/04/2022 | 11:30:00 - 11:45:00 | 6 | 8 | 17 | 19 | 7 | 6.1 | 99.2 | 6.1 | 59.5 | 1000.5 |
| 03/04/2022 | 11:45:00 - 12:00:00 | 6 | 8 | 17 | 18 | 10 | 5.8 | 102.9 | 6.5 | 58.3 | 1000.4 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 03/04/2022 | 12:00:00 - 12:15:00 | 6 | 8 | 17 | 18 | 10 | 6.3 | 101.7 | 6.8 | 58.0 | 999.9 |
| 03/04/2022 | 12:15:00 - 12:30:00 | 6 | 8 | 17 | 21 | 13 | 5.7 | 102.2 | 7.0 | 57.8 | 999.8 |
| 03/04/2022 | 12:30:00 - 12:45:00 | 6 | 8 | 17 | 22 | 8 | 6.2 | 100.0 | 7.3 | 56.6 | 999.4 |
| 03/04/2022 | 12:45:00 - 13:00:00 | 7 | 8 | 17 | 22 | 13 | 5.6 | 105.0 | 7.6 | 55.0 | 999.1 |
| 03/04/2022 | 13:00:00 - 13:15:00 | 6 | 8 | 17 | 20 | 10 | 7.0 | 90.9 | 8.1 | 53.5 | 998.7 |
| 03/04/2022 | 13:15:00 - 13:30:00 | 6 | 7 | 16 | 17 | 9 | 5.8 | 98.9 | 8.3 | 52.6 | 998.3 |
| 03/04/2022 | 13:30:00 - 13:45:00 | 5 | 7 | 15 | 16 | 13 | 7.1 | 97.6 | 8.4 | 51.1 | 998.0 |
| 03/04/2022 | 13:45:00 - 14:00:00 | 6 | 7 | 16 | 16 | 7 | 7.0 | 95.6 | 8.6 | 50.7 | 997.8 |
| 03/04/2022 | 14:00:00 - 14:15:00 | 6 | 7 | 16 | 16 | 6 | 7.5 | 94.3 | 8.8 | 50.1 | 997.7 |
| 03/04/2022 | 14:15:00 - 14:30:00 | 6 | 8 | 17 | 19 | 10 | 7.6 | 95.6 | 8.8 | 50.5 | 997.4 |
| 03/04/2022 | 14:30:00 - 14:45:00 | 7 | 8 | 18 | 18 | 7 | 5.8 | 101.9 | 9.1 | 50.4 | 997.3 |
| 03/04/2022 | 14:45:00 - 15:00:00 | 7 | 8 | 18 | 18 | 8 | 6.8 | 94.5 | 9.2 | 50.1 | 997.0 |
| 03/04/2022 | 15:00:00 - 15:15:00 | 7 | 8 | 17 | 19 | 7 | 6.3 | 97.6 | 9.6 | 49.5 | 996.8 |
| 03/04/2022 | 15:15:00 - 15:30:00 | 7 | 8 | 17 | 18 | 7 | 6.5 | 93.5 | 9.8 | 48.7 | 996.7 |
| 03/04/2022 | 15:30:00 - 15:45:00 | 7 | 8 | 18 | 18 | 7 | 6.5 | 101.9 | 10.1 | 48.3 | 996.5 |
| 03/04/2022 | 15:45:00 - 16:00:00 | 6 | 7 | 16 | 16 | 6 | 8.1 | 95.5 | 10.3 | 46.0 | 996.3 |
| 03/04/2022 | 16:00:00 - 16:15:00 | 6 | 7 | 16 | 16 | 6 | 5.9 | 100.6 | 10.5 | 46.0 | 996.0 |
| 03/04/2022 | 16:15:00 - 16:30:00 | 5 | 7 | 15 | 15 | 6 | 6.3 | 98.0 | 10.3 | 45.7 | 995.7 |
| 03/04/2022 | 16:30:00 - 16:45:00 | 5 | 7 | 15 | 14 | 5 | 6.2 | 94.7 | 9.9 | 46.8 | 995.6 |
| 03/04/2022 | 16:45:00 - 17:00:00 | 6 | 7 | 15 | 15 | 6 | 5.6 | 99.6 | 9.7 | 48.6 | 995.5 |
| 03/04/2022 | 17:00:00 - 17:15:00 | 6 | 8 | 17 | 16 | 6 | 5.6 | 93.7 | 9.5 | 50.7 | 995.4 |
| 03/04/2022 | 17:15:00 - 17:30:00 | 6 | 8 | 16 | 16 | 6 | 5.2 | 102.1 | 9.2 | 51.4 | 995.2 |
| 03/04/2022 | 17:30:00 - 17:45:00 | 6 | 8 | 16 | 16 | 6 | 5.0 | 98.7 | 9.0 | 52.0 | 995.1 |
| 03/04/2022 | 17:45:00 - 18:00:00 | 5 | 7 | 16 | 15 | 5 | 5.1 | 97.2 | 8.8 | 53.0 | 995.0 |
| 03/04/2022 | 18:00:00 - 18:15:00 | 6 | 7 | 17 | 15 | 6 | 5.1 | 98.2 | 8.6 | 53.8 | 994.7 |
| 03/04/2022 | 18:15:00 - 18:30:00 | 6 | 7 | 17 | 16 | 6 | 4.6 | 109.2 | 8.5 | 53.7 | 994.7 |
| 03/04/2022 | 18:30:00 - 18:45:00 | 6 | 8 | 18 | 16 | 6 | 5.3 | 102.2 | 8.4 | 54.0 | 994.8 |
| 03/04/2022 | 18:45:00 - 19:00:00 | 6 | 8 | 17 | 16 | 6 | 3.9 | 112.6 | 8.3 | 53.8 | 994.8 |
| 03/04/2022 | 19:00:00 - 19:15:00 | 5 | 8 | 17 | 16 | 6 | 4.9 | 103.9 | 8.3 | 53.5 | 994.7 |
| 03/04/2022 | 19:15:00 - 19:30:00 | 5 | 8 | 17 | 16 | 6 | 5.5 | 103.0 | 8.2 | 53.1 | 994.5 |
| 03/04/2022 | 19:30:00 - 19:45:00 | 6 | 8 | 18 | 17 | 6 | 4.8 | 99.6 | 8.1 | 54.0 | 994.3 |
| 03/04/2022 | 19:45:00 - 20:00:00 | 7 | 9 | 20 | 18 | 6 | 4.4 | 103.5 | 7.9 | 53.8 | 994.3 |
| 03/04/2022 | 20:00:00 - 20:15:00 | 7 | 9 | 20 | 18 | 7 | 4.5 | 113.7 | 7.8 | 54.0 | 994.1 |
| 03/04/2022 | 20:15:00 - 20:30:00 | 7 | 9 | 20 | 19 | 7 | 4.4 | 113.5 | 7.7 | 54.0 | 994.1 |
| 03/04/2022 | 20:30:00 - 20:45:00 | 7 | 10 | 21 | 20 | 7 | 4.1 | 116.4 | 7.6 | 54.6 | 994.1 |
| 03/04/2022 | 20:45:00 - 21:00:00 | 8 | 10 | 22 | 21 | 8 | 3.5 | 118.7 | 7.6 | 55.0 | 994.0 |
| 03/04/2022 | 21:00:00 - 21:15:00 | 8 | 11 | 23 | 22 | 8 | 3.8 | 117.4 | 7.5 | 55.2 | 993.7 |
| 03/04/2022 | 21:15:00 - 21:30:00 | 8 | 11 | 24 | 22 | 9 | 3.6 | 131.6 | 7.5 | 55.1 | 993.5 |
| 03/04/2022 | 21:30:00 - 21:45:00 | 9 | 11 | 25 | 23 | 9 | 4.1 | 126.2 | 7.5 | 55.4 | 993.2 |
| 03/04/2022 | 21:45:00 - 22:00:00 | 8 | 11 | 24 | 23 | 9 | 3.9 | 127.3 | 7.5 | 55.2 | 993.1 |
| 03/04/2022 | 22:00:00 - 22:15:00 | 9 | 11 | 25 | 23 | 9 | 3.8 | 132.1 | 7.4 | 56.0 | 993.1 |
| 03/04/2022 | 22:15:00 - 22:30:00 | 9 | 11 | 26 | 24 | 9 | 4.2 | 134.6 | 7.4 | 56.0 | 993.1 |
| 03/04/2022 | 22:30:00 - 22:45:00 | 9 | 12 | 26 | 24 | 9 | 4.3 | 120.1 | 7.4 | 55.9 | 993.0 |
| 03/04/2022 | 22:45:00 - 23:00:00 | 9 | 12 | 26 | 24 | 10 | 4.1 | 134.5 | 7.4 | 55.8 | 992.8 |
| 03/04/2022 | 23:00:00 - 23:15:00 | 9 | 11 | 26 | 24 | 9 | 3.8 | 125.7 | 7.4 | 55.3 | 992.6 |
| 03/04/2022 | 23:15:00 - 23:30:00 | 9 | 11 | 26 | 23 | 9 | 4.3 | 126.4 | 7.2 | 56.5 | 992.3 |
| 03/04/2022 | 23:30:00 - 23:45:00 | 9 | 11 | 26 | 24 | 9 | 4.4 | 125.8 | 7.1 | 57.1 | 992.2 |
| 03/05/2022 | 23:45:00 - 00:00:00 | 9 | 11 | 26 | 23 | 9 | 4.3 | 124.9 | 7.0 | 58.5 | 992.1 |
| 03/05/2022 | 00:00:00 - 00:15:00 | 8 | 11 | 25 | 23 | 9 | 3.8 | 133.7 | 6.9 | 59.3 | 991.9 |
| 03/05/2022 | 00:15:00 - 00:30:00 | 8 | 11 | 24 | 22 | 8 | 3.3 | 128.7 | 6.9 | 59.6 | 991.8 |
| 03/05/2022 | 00:30:00 - 00:45:00 | 8 | 10 | 23 | 21 | 8 | 3.5 | 129.4 | 7.0 | 60.0 | 991.9 |
| 03/05/2022 | 00:45:00 - 01:00:00 | 7 | 10 | 22 | 20 | 7 | 4.5 | 135.0 | 7.1 | 59.9 | 991.8 |
| 03/05/2022 | 01:00:00 - 01:15:00 | 7 | 9 | 21 | 19 | 7 | 4.2 | 132.1 | 7.3 | 59.1 | 991.7 |
| 03/05/2022 | 01:15:00 - 01:30:00 | 7 | 9 | 21 | 18 | 7 | 3.7 | 137.6 | 7.5 | 59.0 | 991.6 |
| 03/05/2022 | 01:30:00 - 01:45:00 | 7 | 9 | 20 | 18 | 7 | 4.1 | 134.5 | 7.6 | 59.0 | 991.6 |
| 03/05/2022 | 01:45:00 - 02:00:00 | 6 | 9 | 20 | 18 | 7 | 4.0 | 129.7 | 7.9 | 58.5 | 991.5 |
| 03/05/2022 | 02:00:00 - 02:15:00 | 6 | 8 | 19 | 17 | 6 | 3.5 | 126.4 | 7.9 | 59.0 | 991.4 |
| 03/05/2022 | 02:15:00 - 02:30:00 | 6 | 8 | 18 | 16 | 6 | 4.4 | 126.9 | 8.1 | 59.0 | 991.2 |
| 03/05/2022 | 02:30:00 - 02:45:00 | 6 | 8 | 17 | 16 | 6 | 3.9 | 124.3 | 8.1 | 59.3 | 991.0 |
| 03/05/2022 | 02:45:00 - 03:00:00 | 6 | 7 | 17 | 15 | 6 | 3.4 | 126.3 | 7.9 | 60.2 | 990.9 |
| 03/05/2022 | 03:00:00 - 03:15:00 | 5 | 7 | 17 | 15 | 6 | 3.7 | 130.6 | 7.9 | 61.0 | 990.8 |
| 03/05/2022 | 03:15:00 - 03:30:00 | 5 | 7 | 16 | 15 | 5 | 2.7 | 133.2 | 7.8 | 61.9 | 990.6 |
| 03/05/2022 | 03:30:00 - 03:45:00 | 5 | 7 | 16 | 14 | 5 | 3.3 | 135.1 | 7.8 | 62.1 | 990.5 |
| 03/05/2022 | 03:45:00 - 04:00:00 | 5 | 7 | 16 | 14 | 5 | 3.7 | 132.8 | 7.8 | 63.0 | 990.4 |
| 03/05/2022 | 04:00:00 - 04:15:00 | 5 | 7 | 16 | 14 | 5 | 3.6 | 133.8 | 7.7 | 63.5 | 990.3 |
| 03/05/2022 | 04:15:00 - 04:30:00 | 5 | 7 | 16 | 14 | 5 | 3.9 | 133.7 | 7.6 | 64.6 | 990.1 |
| 03/05/2022 | 04:30:00 - 04:45:00 | 5 | 7 | 16 | 14 | 5 | 4.3 | 134.3 | 7.5 | 65.9 | 990.0 |
| 03/05/2022 | 04:45:00 - 05:00:00 | 5 | 7 | 16 | 14 | 5 | 3.3 | 133.8 | 7.5 | 66.2 | 989.8 |
| 03/05/2022 | 05:00:00 - 05:15:00 | 5 | 7 | 16 | 15 | 5 | 3.2 | 137.6 | 7.6 | 67.0 | 989.6 |
| 03/05/2022 | 05:15:00 - 05:30:00 | 5 | 7 | 17 | 15 | 5 | 3.0 | 139.9 | 7.6 | 67.1 | 989.5 |
| 03/05/2022 | 05:30:00 - 05:45:00 | 5 | 7 | 17 | 15 | 6 | 2.9 | 134.7 | 7.6 | 68.0 | 989.3 |
| 03/05/2022 | 05:45:00 - 06:00:00 | 6 | 8 | 18 | 16 | 6 | 2.4 | 153.4 | 7.5 | 68.9 | 989.4 |
| 03/05/2022 | 06:00:00 - 06:15:00 | 6 | 8 | 18 | 16 | 6 | 3.0 | 142.9 | 7.5 | 69.2 | 989.3 |
| 03/05/2022 | 06:15:00 - 06:30:00 | 6 | 8 | 18 | 17 | 6 | 3.0 | 148.4 | 7.5 | 70.0 | 989.2 |
| 03/05/2022 | 06:30:00 - 06:45:00 | 6 | 8 | 19 | 17 | 6 | 3.2 | 146.8 | 7.4 | 71.0 | 989.1 |
| 03/05/2022 | 06:45:00 - 07:00:00 | 6 | 9 | 20 | 18 | 7 | 2.4 | 160.1 | 7.5 | 71.2 | 989.1 |
| 03/05/2022 | 07:00:00 - 07:15:00 | 7 | 9 | 21 | 19 | 7 | 2.4 | 152.6 | 7.7 | 72.0 | 989.1 |
| 03/05/2022 | 07:15:00 - 07:30:00 | 8 | 10 | 22 | 20 | 7 | 2.4 | 140.7 | 8.1 | 71.3 | 989.0 |
| 03/05/2022 | 07:30:00 - 07:45:00 | 8 | 10 | 22 | 21 | 8 | 2.6 | 144.4 | 8.9 | 70.2 | 989.0 |
| 03/05/2022 | 07:45:00 - 08:00:00 | 8 | 11 | 22 | 22 | 8 | 2.4 | 147.3 | 9.7 | 69.1 | 988.9 |
| 03/05/2022 | 08:00:00 - 08:15:00 | 9 | 11 | 24 | 23 | 9 | 2.3 | 169.7 | 10.8 | 67.0 | 988.9 |
| 03/05/2022 | 08:15:00 - 08:30:00 | 10 | 12 | 25 | 25 | 9 | 2.4 | 170.1 | 11.9 | 65.2 | 988.7 |
| 03/05/2022 | 08:30:00 - 08:45:00 | 11 | 13 | 27 | 27 | 10 | 2.5 | 180.7 | 13.3 | 62.9 | 988.5 |
| 03/05/2022 | 08:45:00 - 09:00:00 | 11 | 13 | 27 | 28 | 11 | 2.6 | 189.0 | 14.4 | 60.1 | 988.3 |
| 03/05/2022 | 09:00:00 - 09:15:00 | 11 | 13 | 27 | 28 | 10 | 2.9 | 180.2 | 15.2 | 59.1 | 988.1 |
| 03/05/2022 | 09:15:00 - 09:30:00 | 11 | 13 | 27 | 28 | 11 | 2.6 | 170.7 | 15.6 | 59.4 | 988.1 |
| 03/05/2022 | 09:30:00 - 09:45:00 | 12 | 14 | 29 | 30 | 11 | 3.5 | 195.3 | 16.3 | 57.0 | 988.1 |
| 03/05/2022 | 09:45:00 - 10:00:00 | 12 | 14 | 29 | 29 | 11 | 5.1 | 201.6 | 17.0 | 56.3 | 988.1 |
| 03/05/2022 | 10:00:00 - 10:15:00 | 12 | 13 | 28 | 28 | 11 | 4.6 | 199.5 | 17.5 | 55.8 | 988.1 |
| 03/05/2022 | 10:15:00 - 10:30:00 | 12 | 13 | 27 | 29 | 11 | 5.7 | 204.1 | 17.5 | 55.5 | 988.0 |
| 03/05/2022 | 10:30:00 - 10:45:00 | 13 | 14 | 29 | 29 | 11 | 5.6 | 201.7 | 17.3 | 55.8 | 987.9 |
| 03/05/2022 | 10:45:00 - 11:00:00 | 13 | 14 | 31 | 31 | 12 | 4.8 | 206.8 | 17.5 | 55.1 | 987.6 |
| 03/05/2022 | 11:00:00 - 11:15:00 | 14 | 15 | 32 | 32 | 12 | 4.7 | 203.2 | 18.2 | 53.4 | 987.5 |
| 03/05/2022 | 11:15:00 - 11:30:00 | 14 | 15 | 32 | 33 | 13 | 3.9 | 193.0 | 18.6 | 52.4 | 987.4 |
| 03/05/2022 | 11:30:00 - 11:45:00 | 14 | 15 | 32 | 33 | 13 | 3.5 | 186.0 | 19.0 | 53.3 | 987.1 |
| 03/05/2022 | 11:45:00 - 12:00:00 | 14 | 15 | 31 | 32 | 12 | 3.2 | 190.8 | 19.8 | 51.3 | 986.9 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 03/05/2022 | 12:00:00 - 12:15:00 | 14 | 15 | 31 | 32 | 12 | 3.9 | 192.5 | 20.2 | 50.3 | 986.6 |
| 03/05/2022 | 12:15:00 - 12:30:00 | 14 | 15 | 30 | 33 | 13 | 3.7 | 186.7 | 20.6 | 50.3 | 986.4 |
| 03/05/2022 | 12:30:00 - 12:45:00 | 14 | 14 | 30 | 32 | 12 | 4.3 | 189.7 | 21.0 | 50.0 | 986.1 |
| 03/05/2022 | 12:45:00 - 13:00:00 | 13 | 14 | 30 | 33 | 13 | 5.3 | 188.1 | 21.4 | 49.3 | 985.7 |
| 03/05/2022 | 13:00:00 - 13:15:00 | 14 | 15 | 31 | 32 | 13 | 6.0 | 198.9 | 21.6 | 48.6 | 985.3 |
| 03/05/2022 | 13:15:00 - 13:30:00 | 13 | 13 | 29 | 36 | 13 | 4.8 | 190.9 | 22.1 | 48.1 | 985.0 |
| 03/05/2022 | 13:30:00 - 13:45:00 | 13 | 14 | 29 | 32 | 12 | 5.7 | 185.0 | 22.1 | 47.7 | 984.7 |
| 03/05/2022 | 13:45:00 - 14:00:00 | 13 | 14 | 30 | 31 | 13 | 5.8 | 196.8 | 22.4 | 48.2 | 984.4 |
| 03/05/2022 | 14:00:00 - 14:15:00 | 14 | 14 | 30 | 38 | 15 | 6.5 | 190.9 | 22.5 | 49.3 | 984.2 |
| 03/05/2022 | 14:15:00 - 14:30:00 | 13 | 15 | 30 | 32 | 15 | 5.9 | 192.5 | 22.4 | 50.9 | 984.1 |
| 03/05/2022 | 14:30:00 - 14:45:00 | 13 | 14 | 30 | 38 | 20 | 6.3 | 195.1 | 21.3 | 52.3 | 984.2 |
| 03/05/2022 | 14:45:00 - 15:00:00 | 14 | 14 | 31 | 38 | 19 | 4.7 | 183.1 | 20.9 | 54.6 | 984.0 |
| 03/05/2022 | 15:00:00 - 15:15:00 | 13 | 14 | 31 | 36 | 17 | 5.3 | 193.9 | 21.0 | 55.3 | 983.9 |
| 03/05/2022 | 15:15:00 - 15:30:00 | 13 | 15 | 31 | 35 | 15 | 4.8 | 181.4 | 20.8 | 56.1 | 983.8 |
| 03/05/2022 | 15:30:00 - 15:45:00 | 14 | 15 | 32 | 35 | 13 | 5.0 | 184.1 | 20.8 | 56.8 | 983.4 |
| 03/05/2022 | 15:45:00 - 16:00:00 | 14 | 15 | 32 | 36 | 13 | 5.2 | 185.8 | 20.4 | 58.7 | 983.3 |
| 03/05/2022 | 16:00:00 - 16:15:00 | 14 | 15 | 31 | 34 | 12 | 5.7 | 177.7 | 20.1 | 61.1 | 983.2 |
| 03/05/2022 | 16:15:00 - 16:30:00 | 13 | 14 | 30 | 32 | 12 | 5.4 | 188.9 | 19.7 | 62.9 | 983.1 |
| 03/05/2022 | 16:30:00 - 16:45:00 | 12 | 13 | 29 | 30 | 11 | 6.1 | 193.1 | 19.3 | 64.1 | 983.3 |
| 03/05/2022 | 16:45:00 - 17:00:00 | 12 | 13 | 27 | 32 | 11 | 5.4 | 197.1 | 19.1 | 65.0 | 983.3 |
| 03/05/2022 | 17:00:00 - 17:15:00 | 11 | 12 | 25 | 26 | 10 | 4.8 | 183.4 | 18.9 | 64.8 | 983.1 |
| 03/05/2022 | 17:15:00 - 17:30:00 | 10 | 11 | 24 | 26 | 9 | 5.2 | 195.0 | 18.7 | 65.6 | 983.0 |
| 03/05/2022 | 17:30:00 - 17:45:00 | 9 | 11 | 23 | 24 | 9 | 4.7 | 193.7 | 18.3 | 67.4 | 982.9 |
| 03/05/2022 | 17:45:00 - 18:00:00 | 10 | 11 | 24 | 25 | 9 | 3.7 | 197.8 | 17.8 | 68.7 | 982.8 |
| 03/05/2022 | 18:00:00 - 18:15:00 | 10 | 12 | 25 | 27 | 10 | 4.3 | 185.5 | 17.5 | 70.2 | 982.9 |
| 03/05/2022 | 18:15:00 - 18:30:00 | 9 | 11 | 23 | 24 | 9 | 5.0 | 193.5 | 17.8 | 71.3 | 983.0 |
| 03/05/2022 | 18:30:00 - 18:45:00 | 9 | 10 | 21 | 23 | 8 | 8.0 | 201.4 | 18.0 | 72.9 | 983.2 |
| 03/05/2022 | 18:45:00 - 19:00:00 | 8 | 9 | 20 | 21 | 7 | 7.1 | 199.0 | 17.7 | 74.8 | 983.2 |
| 03/05/2022 | 19:00:00 - 19:15:00 | 8 | 10 | 21 | 22 | 8 | 5.6 | 197.1 | 17.3 | 76.7 | 983.2 |
| 03/05/2022 | 19:15:00 - 19:30:00 | 9 | 10 | 22 | 23 | 8 | 6.4 | 204.0 | 17.2 | 77.7 | 983.3 |
| 03/05/2022 | 19:30:00 - 19:45:00 | 9 | 10 | 23 | 23 | 8 | 5.8 | 204.9 | 17.1 | 78.0 | 983.2 |
| 03/05/2022 | 19:45:00 - 20:00:00 | 9 | 10 | 22 | 23 | 8 | 5.9 | 195.6 | 17.1 | 77.2 | 982.9 |
| 03/05/2022 | 20:00:00 - 20:15:00 | 9 | 10 | 21 | 22 | 8 | 4.4 | 188.5 | 17.1 | 77.0 | 982.8 |
| 03/05/2022 | 20:15:00 - 20:30:00 | 8 | 10 | 21 | 22 | 8 | 4.1 | 199.8 | 17.1 | 77.0 | 982.6 |
| 03/05/2022 | 20:30:00 - 20:45:00 | 8 | 9 | 21 | 21 | 8 | 5.1 | 197.6 | 17.1 | 76.8 | 982.0 |
| 03/05/2022 | 20:45:00 - 21:00:00 | 8 | 10 | 21 | 22 | 8 | 5.3 | 201.7 | 17.2 | 75.9 | 981.8 |
| 03/05/2022 | 21:00:00 - 21:15:00 | 8 | 10 | 21 | 22 | 8 | 4.9 | 192.5 | 17.2 | 75.4 | 981.4 |
| 03/05/2022 | 21:15:00 - 21:30:00 | 8 | 9 | 21 | 21 | 8 | 4.1 | 203.0 | 17.4 | 74.9 | 981.8 |
| 03/05/2022 | 21:30:00 - 21:45:00 | 8 | 9 | 20 | 21 | 7 | 5.4 | 202.4 | 17.6 | 74.0 | 981.7 |
| 03/05/2022 | 21:45:00 - 22:00:00 | 8 | 9 | 20 | 21 | 7 | 5.4 | 198.5 | 17.4 | 74.3 | 981.8 |
| 03/05/2022 | 22:00:00 - 22:15:00 | 8 | 9 | 20 | 20 | 7 | 6.1 | 201.3 | 17.2 | 75.0 | 981.9 |
| 03/05/2022 | 22:15:00 - 22:30:00 | 8 | 9 | 20 | 21 | 7 | 5.6 | 198.8 | 17.1 | 76.0 | 982.0 |
| 03/05/2022 | 22:30:00 - 22:45:00 | 8 | 9 | 20 | 21 | 7 | 4.0 | 193.6 | 17.0 | 76.1 | 981.9 |
| 03/05/2022 | 22:45:00 - 23:00:00 | 8 | 9 | 19 | 20 | 7 | 4.3 | 199.1 | 16.9 | 77.0 | 981.9 |
| 03/05/2022 | 23:00:00 - 23:15:00 | 7 | 9 | 19 | 20 | 7 | 5.9 | 202.7 | 17.2 | 77.0 | 982.0 |
| 03/05/2022 | 23:15:00 - 23:30:00 | 7 | 8 | 18 | 19 | 7 | 6.4 | 206.0 | 17.3 | 77.4 | 982.2 |
| 03/05/2022 | 23:30:00 - 23:45:00 | 7 | 8 | 17 | 18 | 6 | 5.0 | 212.7 | 17.3 | 78.9 | 982.3 |
| 03/06/2022 | 23:45:00 - 00:00:00 | 7 | 8 | 16 | 17 | 6 | 3.8 | 251.4 | 16.6 | 81.9 | 983.3 |
| 03/06/2022 | 00:00:00 - 00:15:00 | 4 | 5 | 8 | 10 | 3 | 6.0 | 276.7 | 12.4 | 93.9 | 983.7 |
| 03/06/2022 | 00:15:00 - 00:30:00 | 4 | 5 | 8 | 11 | 3 | 4.0 | 215.5 | 11.9 | 98.1 | 982.9 |
| 03/06/2022 | 00:30:00 - 00:45:00 | 3 | 4 | 9 | 10 | 3 | 10.0 | 209.7 | 12.8 | 96.7 | 982.1 |
| 03/06/2022 | 00:45:00 - 01:00:00 | 3 | 5 | 9 | 10 | 3 | 8.1 | 213.8 | 13.8 | 87.5 | 982.5 |
| 03/06/2022 | 01:00:00 - 01:15:00 | 3 | 5 | 9 | 10 | 3 | 8.5 | 210.6 | 13.8 | 85.5 | 983.1 |
| 03/06/2022 | 01:15:00 - 01:30:00 | 4 | 5 | 10 | 11 | 4 | 6.4 | 203.6 | 13.6 | 85.8 | 983.2 |
| 03/06/2022 | 01:30:00 - 01:45:00 | 4 | 6 | 11 | 12 | 4 | 5.7 | 215.1 | 13.5 | 86.0 | 983.3 |
| 03/06/2022 | 01:45:00 - 02:00:00 | 4 | 6 | 12 | 13 | 4 | 3.9 | 217.9 | 13.4 | 87.7 | 983.4 |
| 03/06/2022 | 02:00:00 - 02:15:00 | 4 | 6 | 12 | 12 | 4 | 3.6 | 222.0 | 13.4 | 89.2 | 983.7 |
| 03/06/2022 | 02:15:00 - 02:30:00 | 4 | 6 | 11 | 12 | 4 | 3.5 | 232.4 | 13.4 | 90.0 | 983.8 |
| 03/06/2022 | 02:30:00 - 02:45:00 | 4 | 6 | 12 | 13 | 4 | 3.4 | 229.5 | 13.6 | 90.0 | 984.0 |
| 03/06/2022 | 02:45:00 - 03:00:00 | 4 | 6 | 13 | 14 | 4 | 2.8 | 238.6 | 13.5 | 90.0 | 984.2 |
| 03/06/2022 | 03:00:00 - 03:15:00 | 6 | 7 | 15 | 16 | 5 | 2.2 | 248.7 | 13.3 | 89.1 | 984.3 |
| 03/06/2022 | 03:15:00 - 03:30:00 | 7 | 8 | 17 | 18 | 6 | 3.6 | 258.8 | 13.4 | 85.1 | 984.4 |
| 03/06/2022 | 03:30:00 - 03:45:00 | 7 | 9 | 17 | 19 | 7 | 4.9 | 276.5 | 12.9 | 83.2 | 984.7 |
| 03/06/2022 | 03:45:00 - 04:00:00 | 7 | 9 | 18 | 20 | 7 | 4.6 | 288.0 | 11.5 | 76.8 | 985.1 |
| 03/06/2022 | 04:00:00 - 04:15:00 | 6 | 9 | 17 | 18 | 6 | 4.2 | 277.4 | 10.4 | 74.3 | 985.5 |
| 03/06/2022 | 04:15:00 - 04:30:00 | 7 | 10 | 19 | 20 | 7 | 3.6 | 284.7 | 9.6 | 78.3 | 985.8 |
| 03/06/2022 | 04:30:00 - 04:45:00 | 9 | 12 | 23 | 25 | 9 | 4.9 | 289.2 | 9.0 | 82.2 | 986.2 |
| 03/06/2022 | 04:45:00 - 05:00:00 | 10 | 12 | 25 | 26 | 10 | 3.2 | 278.7 | 8.3 | 82.9 | 986.6 |
| 03/06/2022 | 05:00:00 - 05:15:00 | 8 | 11 | 22 | 22 | 8 | 6.4 | 285.6 | 7.4 | 82.0 | 987.1 |
| 03/06/2022 | 05:15:00 - 05:30:00 | 6 | 9 | 18 | 18 | 6 | 5.7 | 280.9 | 6.7 | 80.7 | 987.3 |
| 03/06/2022 | 05:30:00 - 05:45:00 | 6 | 9 | 19 | 19 | 6 | 3.7 | 279.7 | 6.3 | 80.9 | 987.7 |
| 03/06/2022 | 05:45:00 - 06:00:00 | 6 | 9 | 19 | 18 | 6 | 5.3 | 278.4 | 6.0 | 80.9 | 987.9 |
| 03/06/2022 | 06:00:00 - 06:15:00 | 6 | 8 | 18 | 17 | 6 | 3.8 | 272.6 | 5.6 | 81.3 | 988.0 |
| 03/06/2022 | 06:15:00 - 06:30:00 | 6 | 9 | 18 | 17 | 6 | 4.6 | 275.1 | 5.2 | 82.3 | 988.0 |
| 03/06/2022 | 06:30:00 - 06:45:00 | 5 | 9 | 18 | 17 | 6 | 3.6 | 277.3 | 5.0 | 82.7 | 988.3 |
| 03/06/2022 | 06:45:00 - 07:00:00 | 5 | 8 | 17 | 17 | 6 | 3.0 | 266.7 | 5.0 | 82.2 | 988.8 |
| 03/06/2022 | 07:00:00 - 07:15:00 | 5 | 9 | 17 | 17 | 6 | 4.8 | 284.0 | 4.9 | 82.2 | 988.9 |
| 03/06/2022 | 07:15:00 - 07:30:00 | 5 | 9 | 17 | 16 | 6 | 4.0 | 278.3 | 4.9 | 82.4 | 989.4 |
| 03/06/2022 | 07:30:00 - 07:45:00 | 5 | 9 | 17 | 16 | 5 | 4.5 | 279.2 | 5.3 | 81.4 | 989.8 |
| 03/06/2022 | 07:45:00 - 08:00:00 | 5 | 9 | 17 | 15 | 5 | 3.6 | 262.9 | 5.2 | 80.6 | 990.1 |
| 03/06/2022 | 08:00:00 - 08:15:00 | 5 | 9 | 16 | 15 | 5 | 3.7 | 290.1 | 5.3 | 81.1 | 990.1 |
| 03/06/2022 | 08:15:00 - 08:30:00 | 5 | 9 | 16 | 15 | 5 | 5.3 | 296.8 | 5.0 | 81.6 | 990.4 |
| 03/06/2022 | 08:30:00 - 08:45:00 | 5 | 8 | 16 | 15 | 5 | 2.8 | 276.5 | 5.7 | 80.0 | 990.6 |
| 03/06/2022 | 08:45:00 - 09:00:00 | 5 | 8 | 15 | 14 | 5 | 4.5 | 298.7 | 5.5 | 80.5 | 990.8 |
| 03/06/2022 | 09:00:00 - 09:15:00 | 5 | 8 | 15 | 14 | 5 | 4.7 | 278.5 | 5.7 | 78.2 | 991.1 |
| 03/06/2022 | 09:15:00 - 09:30:00 | 5 | 8 | 14 | 14 | 5 | 4.1 | 276.6 | 5.8 | 76.9 | 991.3 |
| 03/06/2022 | 09:30:00 - 09:45:00 | 5 | 8 | 14 | 14 | 4 | 5.0 | 295.4 | 6.2 | 74.6 | 991.5 |
| 03/06/2022 | 09:45:00 - 10:00:00 | 5 | 8 | 14 | 14 | 5 | 3.8 | 284.1 | 6.0 | 75.7 | 991.8 |
| 03/06/2022 | 10:00:00 - 10:15:00 | 5 | 8 | 14 | 14 | 5 | 4.6 | 289.2 | 5.9 | 76.0 | 991.9 |
| 03/06/2022 | 10:15:00 - 10:30:00 | 5 | 9 | 14 | 14 | 5 | 4.7 | 300.9 | 5.8 | 76.2 | 992.1 |
| 03/06/2022 | 10:30:00 - 10:45:00 | 5 | 8 | 15 | 14 | 5 | 5.5 | 300.3 | 5.9 | 76.0 | 992.2 |
| 03/06/2022 | 10:45:00 - 11:00:00 | 5 | 9 | 15 | 15 | 5 | 4.1 | 292.9 | 6.3 | 75.0 | 992.1 |
| 03/06/2022 | 11:00:00 - 11:15:00 | 5 | 9 | 15 | 15 | 5 | 4.0 | 279.7 | 6.6 | 74.0 | 992.0 |
| 03/06/2022 | 11:15:00 - 11:30:00 | 5 | 8 | 15 | 15 | 5 | 3.6 | 274.4 | 7.0 | 72.9 | 992.0 |
| 03/06/2022 | 11:30:00 - 11:45:00 | 5 | 8 | 14 | 14 | 5 | 5.2 | 292.9 | 6.8 | 72.3 | 991.9 |
| 03/06/2022 | 11:45:00 - 12:00:00 | 5 | 8 | 14 | 15 | 5 | 5.0 | 293.1 | 7.3 | 72.3 | 991.9 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 03/06/2022 | 12:00:00 - 12:15:00 | 5 | 9 | 14 | 15 | 5 | 4.8 | 295.4 | 7.6 | 70.9 | 992.0 |
| 03/06/2022 | 12:15:00 - 12:30:00 | 6 | 8 | 15 | 15 | 5 | 4.5 | 286.9 | 7.9 | 69.1 | 991.9 |
| 03/06/2022 | 12:30:00 - 12:45:00 | 6 | 8 | 15 | 15 | 5 | 4.4 | 296.3 | 8.3 | 69.3 | 991.8 |
| 03/06/2022 | 12:45:00 - 13:00:00 | 6 | 7 | 15 | 15 | 5 | 4.0 | 302.0 | 8.5 | 69.0 | 991.6 |
| 03/06/2022 | 13:00:00 - 13:15:00 | 6 | 8 | 16 | 18 | 6 | 4.3 | 293.0 | 8.7 | 68.5 | 991.5 |
| 03/06/2022 | 13:15:00 - 13:30:00 | 6 | 8 | 16 | 18 | 6 | 3.9 | 301.5 | 9.3 | 67.8 | 991.4 |
| 03/06/2022 | 13:30:00 - 13:45:00 | 7 | 8 | 16 | 18 | 6 | 3.5 | 306.9 | 9.4 | 66.3 | 991.5 |
| 03/06/2022 | 13:45:00 - 14:00:00 | 7 | 9 | 17 | 20 | 6 | 4.0 | 304.4 | 9.6 | 65.3 | 991.7 |
| 03/06/2022 | 14:00:00 - 14:15:00 | 7 | 8 | 17 | 17 | 6 | 6.1 | 309.2 | 9.4 | 65.5 | 991.6 |
| 03/06/2022 | 14:15:00 - 14:30:00 | 7 | 9 | 16 | 17 | 6 | 5.0 | 297.8 | 9.5 | 64.8 | 991.4 |
| 03/06/2022 | 14:30:00 - 14:45:00 | 7 | 9 | 18 | 17 | 6 | 4.4 | 318.9 | 9.9 | 64.3 | 991.4 |
| 03/06/2022 | 14:45:00 - 15:00:00 | 7 | 9 | 18 | 18 | 7 | 4.2 | 320.7 | 10.1 | 63.5 | 991.3 |
| 03/06/2022 | 15:00:00 - 15:15:00 | 7 | 9 | 18 | 18 | 7 | 3.9 | 327.0 | 10.3 | 62.9 | 991.4 |
| 03/06/2022 | 15:15:00 - 15:30:00 | 7 | 9 | 18 | 18 | 7 | 3.1 | 324.5 | 10.2 | 63.3 | 991.0 |
| 03/06/2022 | 15:30:00 - 15:45:00 | 8 | 9 | 20 | 20 | 8 | 3.4 | 343.8 | 10.5 | 62.4 | 990.8 |
| 03/06/2022 | 15:45:00 - 16:00:00 | 8 | 10 | 21 | 20 | 8 | 2.4 | 340.5 | 10.3 | 61.7 | 990.8 |
| 03/06/2022 | 16:00:00 - 16:15:00 | 8 | 10 | 21 | 21 | 8 | 2.3 | 354.0 | 10.2 | 63.1 | 990.7 |
| 03/06/2022 | 16:15:00 - 16:30:00 | 9 | 10 | 22 | 22 | 9 | 2.3 | 348.0 | 9.8 | 65.0 | 990.6 |
| 03/06/2022 | 16:30:00 - 16:45:00 | 9 | 10 | 23 | 23 | 9 | 1.8 | 339.7 | 9.8 | 64.3 | 990.6 |
| 03/06/2022 | 16:45:00 - 17:00:00 | 9 | 10 | 23 | 23 | 9 | 1.2 | 354.6 | 9.6 | 63.1 | 990.9 |
| 03/06/2022 | 17:00:00 - 17:15:00 | 9 | 10 | 24 | 25 | 9 | 2.0 | 20.1 | 9.4 | 64.0 | 990.8 |
| 03/06/2022 | 17:15:00 - 17:30:00 | 9 | 11 | 24 | 24 | 9 | 1.8 | 27.6 | 8.7 | 65.4 | 991.1 |
| 03/06/2022 | 17:30:00 - 17:45:00 | 9 | 11 | 24 | 25 | 9 | 1.7 | 39.4 | 8.1 | 67.1 | 991.1 |
| 03/06/2022 | 17:45:00 - 18:00:00 | 12 | 11 | 31 | 25 | 10 | 1.6 | 51.5 | 7.8 | 68.3 | 990.6 |
| 03/06/2022 | 18:00:00 - 18:15:00 | 10 | 11 | 27 | 26 | 10 | 1.8 | 47.8 | 7.6 | 69.1 | 990.2 |
| 03/06/2022 | 18:15:00 - 18:30:00 | 10 | 12 | 26 | 27 | 10 | 2.9 | 43.1 | 7.4 | 71.4 | 990.0 |
| 03/06/2022 | 18:30:00 - 18:45:00 | 9 | 12 | 26 | 27 | 10 | 2.9 | 39.3 | 6.8 | 75.3 | 989.5 |
| 03/06/2022 | 18:45:00 - 19:00:00 | 9 | 12 | 26 | 27 | 10 | 3.3 | 33.8 | 6.2 | 78.1 | 989.0 |
| 03/06/2022 | 19:00:00 - 19:15:00 | 9 | 12 | 26 | 26 | 10 | 2.8 | 41.1 | 5.9 | 78.8 | 988.8 |
| 03/06/2022 | 19:15:00 - 19:30:00 | 9 | 12 | 26 | 26 | 10 | 3.6 | 55.0 | 5.6 | 80.3 | 988.4 |
| 03/06/2022 | 19:30:00 - 19:45:00 | 9 | 12 | 26 | 27 | 10 | 3.7 | 40.2 | 5.5 | 80.8 | 988.4 |
| 03/06/2022 | 19:45:00 - 20:00:00 | 10 | 12 | 27 | 27 | 10 | 3.4 | 53.1 | 5.4 | 80.3 | 988.7 |
| 03/06/2022 | 20:00:00 - 20:15:00 | 10 | 13 | 28 | 28 | 11 | 4.5 | 53.4 | 5.3 | 79.2 | 987.9 |
| 03/06/2022 | 20:15:00 - 20:30:00 | 10 | 13 | 29 | 29 | 11 | 2.6 | 50.7 | 5.2 | 80.2 | 988.0 |
| 03/06/2022 | 20:30:00 - 20:45:00 | 11 | 14 | 31 | 33 | 12 | 2.6 | 37.5 | 4.9 | 83.7 | 988.1 |
| 03/06/2022 | 20:45:00 - 21:00:00 | 13 | 16 | 34 | 35 | 14 | 2.5 | 37.9 | 4.4 | 89.1 | 987.9 |
| 03/06/2022 | 21:00:00 - 21:15:00 | 14 | 17 | 36 | 39 | 14 | 4.0 | 34.3 | 3.8 | 93.4 | 987.6 |
| 03/06/2022 | 21:15:00 - 21:30:00 | 15 | 17 | 37 | 40 | 15 | 3.7 | 29.3 | 3.5 | 96.2 | 987.4 |
| 03/06/2022 | 21:30:00 - 21:45:00 | 14 | 17 | 37 | 39 | 15 | 29.4 | 120.3 | 3.4 | 97.5 | 987.3 |
| 03/06/2022 | 21:45:00 - 22:00:00 | 14 | 17 | 36 | 39 | 14 | 48.5 | 122.5 | 3.3 | 98.5 | 986.8 |
| 03/06/2022 | 22:00:00 - 22:15:00 | 14 | 18 | 37 | 41 | 14 | 47.8 | 123.9 | 3.2 | 99.0 | 986.9 |
| 03/06/2022 | 22:15:00 - 22:30:00 | 15 | 19 | 38 | 43 | 15 | 47.7 | 123.4 | 3.2 | 99.5 | 987.1 |
| 03/06/2022 | 22:30:00 - 22:45:00 | 14 | 18 | 35 | 42 | 14 | 19.4 | 109.7 | 2.9 | 99.6 | 986.2 |
| 03/06/2022 | 22:45:00 - 23:00:00 | 12 | 16 | 32 | 36 | 12 | 7.1 | 50.1 | 2.6 | 100.0 | 985.2 |
| 03/06/2022 | 23:00:00 - 23:15:00 | 12 | 16 | 32 | 35 | 12 | 6.2 | 64.6 | 2.4 | 100.0 | 985.4 |
| 03/06/2022 | 23:15:00 - 23:30:00 | 12 | 16 | 32 | 35 | 12 | 9.1 | 53.0 | 2.2 | 100.0 | 984.6 |
| 03/06/2022 | 23:30:00 - 23:45:00 | 12 | 16 | 32 | 36 | 12 | 5.7 | 54.6 | 2.2 | 100.0 | 984.8 |
| 03/07/2022 | 23:45:00 - 00:00:00 | 12 | 16 | 32 | 36 | 12 | 4.8 | 48.8 | 2.1 | 100.0 | 984.1 |
| 03/07/2022 | 00:00:00 - 00:15:00 | 12 | 16 | 33 | 37 | 12 | 4.9 | 38.4 | 2.0 | 100.0 | 984.0 |
| 03/07/2022 | 00:15:00 - 00:30:00 | 13 | 16 | 34 | 38 | 13 | 4.7 | 33.5 | 2.0 | 100.0 | 983.7 |
| 03/07/2022 | 00:30:00 - 00:45:00 | 12 | 16 | 33 | 38 | 13 | 5.9 | 32.2 | 2.0 | 100.0 | 983.0 |
| 03/07/2022 | 00:45:00 - 01:00:00 | 13 | 16 | 36 | 38 | 13 | 6.7 | 40.0 | 1.9 | 100.0 | 982.1 |
| 03/07/2022 | 01:00:00 - 01:15:00 | 14 | 18 | 38 | 39 | 14 | 6.7 | 47.3 | 2.0 | 100.0 | 981.8 |
| 03/07/2022 | 01:15:00 - 01:30:00 | 14 | 18 | 38 | 41 | 14 | 4.9 | 17.7 | 2.1 | 100.0 | 982.5 |
| 03/07/2022 | 01:30:00 - 01:45:00 | 15 | 19 | 39 | 42 | 15 | 3.4 | 13.9 | 2.2 | 100.0 | 983.4 |
| 03/07/2022 | 01:45:00 - 02:00:00 | 16 | 20 | 40 | 44 | 16 | 3.3 | 25.6 | 2.1 | 100.0 | 983.2 |
| 03/07/2022 | 02:00:00 - 02:15:00 | 18 | 21 | 45 | 51 | 18 | 4.1 | 37.7 | 2.0 | 100.0 | 982.6 |
| 03/07/2022 | 02:15:00 - 02:30:00 | 19 | 24 | 48 | 55 | 20 | 4.3 | 40.3 | 2.0 | 100.0 | 982.6 |
| 03/07/2022 | 02:30:00 - 02:45:00 | 21 | 26 | 53 | 60 | 21 | 4.1 | 54.6 | 2.0 | 100.0 | 982.8 |
| 03/07/2022 | 02:45:00 - 03:00:00 | 20 | 25 | 51 | 58 | 20 | 4.3 | 50.6 | 1.9 | 100.0 | 982.1 |
| 03/07/2022 | 03:00:00 - 03:15:00 | 20 | 25 | 50 | 58 | 20 | 4.2 | 33.5 | 1.9 | 100.0 | 982.1 |
| 03/07/2022 | 03:15:00 - 03:30:00 | 20 | 25 | 50 | 57 | 20 | 4.1 | 28.7 | 1.8 | 100.0 | 981.9 |
| 03/07/2022 | 03:30:00 - 03:45:00 | 20 | 25 | 50 | 56 | 20 | 3.2 | 39.0 | 1.9 | 100.0 | 982.2 |
| 03/07/2022 | 03:45:00 - 04:00:00 | 18 | 22 | 45 | 52 | 18 | 3.9 | 44.8 | 1.8 | 100.0 | 981.8 |
| 03/07/2022 | 04:00:00 - 04:15:00 | 16 | 20 | 42 | 47 | 16 | 3.9 | 44.8 | 1.7 | 99.7 | 981.3 |
| 03/07/2022 | 04:15:00 - 04:30:00 | 17 | 21 | 45 | 47 | 17 | 4.8 | 50.8 | 1.6 | 99.1 | 981.0 |
| 03/07/2022 | 04:30:00 - 04:45:00 | 14 | 18 | 38 | 43 | 15 | 3.5 | 49.7 | 1.6 | 99.0 | 981.1 |
| 03/07/2022 | 04:45:00 - 05:00:00 | 14 | 18 | 38 | 41 | 14 | 3.0 | 46.1 | 1.7 | 99.0 | 981.9 |
| 03/07/2022 | 05:00:00 - 05:15:00 | 15 | 19 | 41 | 43 | 15 | 1.9 | 35.8 | 1.8 | 99.0 | 982.1 |
| 03/07/2022 | 05:15:00 - 05:30:00 | 14 | 18 | 38 | 39 | 14 | 2.5 | 22.7 | 1.8 | 99.0 | 981.9 |
| 03/07/2022 | 05:30:00 - 05:45:00 | 12 | 16 | 34 | 34 | 12 | 2.8 | 18.5 | 1.6 | 99.0 | 982.4 |
| 03/07/2022 | 05:45:00 - 06:00:00 | 11 | 15 | 32 | 33 | 12 | 3.1 | 10.1 | 1.7 | 99.0 | 983.2 |
| 03/07/2022 | 06:00:00 - 06:15:00 | 11 | 15 | 32 | 33 | 12 | 4.1 | 351.9 | 1.6 | 99.2 | 983.2 |
| 03/07/2022 | 06:15:00 - 06:30:00 | 11 | 14 | 30 | 31 | 11 | 3.2 | 7.8 | 1.5 | 99.8 | 983.6 |
| 03/07/2022 | 06:30:00 - 06:45:00 | 11 | 14 | 31 | 32 | 11 | 2.8 | 14.6 | 1.5 | 99.9 | 983.9 |
| 03/07/2022 | 06:45:00 - 07:00:00 | 9 | 13 | 26 | 27 | 9 | 3.6 | 340.1 | 1.5 | 99.8 | 984.3 |
| 03/07/2022 | 07:00:00 - 07:15:00 | 8 | 10 | 23 | 20 | 6 | 4.2 | 337.0 | 1.5 | 99.8 | 984.5 |
| 03/07/2022 | 07:15:00 - 07:30:00 | 9 | 9 | 24 | 17 | 6 | 3.6 | 346.1 | 1.6 | 99.1 | 984.9 |
| 03/07/2022 | 07:30:00 - 07:45:00 | 5 | 7 | 17 | 14 | 4 | 3.8 | 320.1 | 1.4 | 99.0 | 985.4 |
| 03/07/2022 | 07:45:00 - 08:00:00 | 3 | 6 | 13 | 10 | 3 | 4.0 | 337.9 | 1.4 | 99.0 | 985.7 |
| 03/07/2022 | 08:00:00 - 08:15:00 | 3 | 5 | 12 | 9 | 3 | 4.0 | 323.7 | 1.4 | 98.6 | 986.0 |
| 03/07/2022 | 08:15:00 - 08:30:00 | 3 | 5 | 12 | 9 | 2 | 4.1 | 329.5 | 1.4 | 98.0 | 986.4 |
| 03/07/2022 | 08:30:00 - 08:45:00 | 3 | 5 | 13 | 9 | 3 | 4.5 | 315.2 | 1.2 | 98.0 | 986.8 |
| 03/07/2022 | 08:45:00 - 09:00:00 | 5 | 5 | 15 | 9 | 3 | 4.3 | 332.9 | 1.2 | 97.1 | 986.7 |
| 03/07/2022 | 09:00:00 - 09:15:00 | 4 | 5 | 15 | 9 | 3 | 4.1 | 339.8 | 1.4 | 96.0 | 986.7 |
| 03/07/2022 | 09:15:00 - 09:30:00 | 5 | 5 | 16 | 9 | 3 | 4.6 | 332.8 | 1.5 | 94.3 | 986.8 |
| 03/07/2022 | 09:30:00 - 09:45:00 | 5 | 6 | 16 | 10 | 3 | 4.9 | 337.5 | 1.5 | 93.0 | 986.9 |
| 03/07/2022 | 09:45:00 - 10:00:00 | 7 | 8 | 21 | 15 | 5 | 4.3 | 325.6 | 1.5 | 92.5 | 987.4 |
| 03/07/2022 | 10:00:00 - 10:15:00 | 7 | 10 | 21 | 18 | 6 | 4.4 | 312.6 | 1.5 | 91.1 | 988.1 |
| 03/07/2022 | 10:15:00 - 10:30:00 | 7 | 10 | 21 | 18 | 7 | 5.6 | 312.2 | 1.3 | 90.5 | 988.6 |
| 03/07/2022 | 10:30:00 - 10:45:00 | 9 | 11 | 25 | 21 | 8 | 4.4 | 317.8 | 1.3 | 90.1 | 989.0 |
| 03/07/2022 | 10:45:00 - 11:00:00 | 9 | 12 | 26 | 22 | 8 | 5.2 | 314.4 | 1.2 | 89.7 | 989.3 |
| 03/07/2022 | 11:00:00 - 11:15:00 | 8 | 11 | 25 | 21 | 8 | 5.3 | 311.9 | 1.3 | 89.0 | 989.5 |
| 03/07/2022 | 11:15:00 - 11:30:00 | 9 | 10 | 26 | 20 | 7 | 5.2 | 316.3 | 1.4 | 87.9 | 989.6 |
| 03/07/2022 | 11:30:00 - 11:45:00 | 7 | 9 | 22 | 17 | 6 | 5.2 | 315.8 | 1.4 | 87.7 | 989.8 |
| 03/07/2022 | 11:45:00 - 12:00:00 | 6 | 8 | 19 | 15 | 6 | 4.7 | 321.5 | 1.4 | 86.9 | 990.1 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 03/07/2022 | 12:00:00 - 12:15:00 | 4 | 8 | 17 | 13 | 5 | 5.6 | 311.0 | 1.5 | 84.9 | 990.3 |
| 03/07/2022 | 12:15:00 - 12:30:00 | 5 | 8 | 17 | 13 | 4 | 5.1 | 305.0 | 1.6 | 83.6 | 990.3 |
| 03/07/2022 | 12:30:00 - 12:45:00 | 5 | 8 | 17 | 13 | 5 | 5.0 | 314.4 | 1.8 | 82.3 | 990.5 |
| 03/07/2022 | 12:45:00 - 13:00:00 | 5 | 8 | 17 | 13 | 5 | 5.8 | 309.9 | 1.9 | 81.2 | 990.6 |
| 03/07/2022 | 13:00:00 - 13:15:00 | 5 | 8 | 17 | 14 | 5 | 5.9 | 326.4 | 1.8 | 80.6 | 990.8 |
| 03/07/2022 | 13:15:00 - 13:30:00 | 7 | 8 | 20 | 15 | 5 | 4.8 | 319.9 | 1.7 | 81.5 | 990.9 |
| 03/07/2022 | 13:30:00 - 13:45:00 | 6 | 9 | 20 | 16 | 6 | 5.3 | 325.5 | 1.7 | 80.9 | 991.1 |
| 03/07/2022 | 13:45:00 - 14:00:00 | 6 | 9 | 21 | 16 | 6 | 2.9 | 323.3 | 1.9 | 81.6 | 991.3 |
| 03/07/2022 | 14:00:00 - 14:15:00 | 6 | 9 | 19 | 15 | 6 | 6.2 | 323.3 | 1.8 | 79.3 | 991.5 |
| 03/07/2022 | 14:15:00 - 14:30:00 | Offline | 8 | 19 | 14 | 5 | 4.7 | 330.7 | 1.9 | 78.2 | 991.8 |
| 03/07/2022 | 14:30:00 - 14:45:00 | Offline | 8 | 18 | 14 | 5 | 6.1 | 316.0 | 1.8 | 76.8 | 991.9 |
| 03/07/2022 | 14:45:00 - 15:00:00 | 82 | 7 | 18 | 14 | 5 | 5.7 | 314.2 | 1.8 | 77.3 | 992.1 |
| 03/07/2022 | 15:00:00 - 15:15:00 | 77 | 8 | 21 | 15 | 6 | 5.2 | 309.1 | 1.6 | 78.3 | 992.4 |
| 03/07/2022 | 15:15:00 - 15:30:00 | 74 | 8 | 19 | 15 | 6 | 5.1 | 305.4 | 1.5 | 77.7 | 992.7 |
| 03/07/2022 | 15:30:00 - 15:45:00 | 56 | 8 | 18 | 15 | 5 | 5.0 | 315.1 | 1.5 | 77.2 | 993.0 |
| 03/07/2022 | 15:45:00 - 16:00:00 | 46 | 9 | 18 | 15 | 5 | 6.3 | 305.9 | 1.4 | 77.7 | 993.3 |
| 03/07/2022 | 16:00:00 - 16:15:00 | 43 | 8 | 18 | 14 | 5 | 5.5 | 309.6 | 1.4 | 76.7 | 993.5 |
| 03/07/2022 | 16:15:00 - 16:30:00 | 42 | 9 | 19 | 15 | 6 | 3.8 | 311.7 | 1.4 | 77.2 | 993.8 |
| 03/07/2022 | 16:30:00 - 16:45:00 | 42 | 8 | 20 | 14 | 5 | 4.8 | 317.6 | 1.3 | 75.9 | 994.0 |
| 03/07/2022 | 16:45:00 - 17:00:00 | 39 | 7 | 17 | 13 | 5 | 3.8 | 326.5 | 1.3 | 74.8 | 994.2 |
| 03/07/2022 | 17:00:00 - 17:15:00 | 39 | 8 | 18 | 15 | 6 | 3.5 | 330.6 | 1.1 | 76.9 | 994.4 |
| 03/07/2022 | 17:15:00 - 17:30:00 | 38 | 8 | 17 | 14 | 5 | 3.9 | 304.6 | 0.9 | 75.8 | 994.6 |
| 03/07/2022 | 17:30:00 - 17:45:00 | 37 | 7 | 15 | 12 | 4 | 3.6 | 313.2 | 0.8 | 73.6 | 994.9 |
| 03/07/2022 | 17:45:00 - 18:00:00 | 38 | 7 | 15 | 12 | 4 | 4.3 | 312.5 | 0.6 | 73.5 | 995.1 |
| 03/07/2022 | 18:00:00 - 18:15:00 | 38 | 8 | 17 | 13 | 5 | 3.7 | 331.8 | 0.5 | 75.2 | 995.4 |
| 03/07/2022 | 18:15:00 - 18:30:00 | 37 | 8 | 17 | 13 | 5 | 3.4 | 328.3 | 0.4 | 75.1 | 995.7 |
| 03/07/2022 | 18:30:00 - 18:45:00 | 36 | 7 | 16 | 13 | 5 | 2.7 | 323.4 | 0.4 | 75.0 | 996.0 |
| 03/07/2022 | 18:45:00 - 19:00:00 | 37 | 8 | 18 | 15 | 5 | 3.6 | 322.9 | 0.3 | 76.3 | 996.2 |
| 03/07/2022 | 19:00:00 - 19:15:00 | 41 | 14 | 31 | 27 | 11 | 4.1 | 303.3 | 0.0 | 81.6 | 996.4 |
| 03/07/2022 | 19:15:00 - 19:30:00 | 40 | 14 | 31 | 27 | 11 | 3.3 | 293.4 | 0.0 | 81.7 | 996.6 |
| 03/07/2022 | 19:30:00 - 19:45:00 | 39 | 13 | 30 | 27 | 10 | 4.6 | 291.8 | -0.3 | 81.1 | 996.7 |
| 03/07/2022 | 19:45:00 - 20:00:00 | 37 | 11 | 26 | 23 | 9 | 3.7 | 294.0 | -0.5 | 81.2 | 996.8 |
| 03/07/2022 | 20:00:00 - 20:15:00 | 37 | 12 | 26 | 23 | 9 | 4.3 | 296.5 | -0.5 | 80.8 | 996.8 |
| 03/07/2022 | 20:15:00 - 20:30:00 | 36 | 11 | 25 | 23 | 8 | 4.4 | 298.5 | -0.7 | 81.4 | 996.9 |
| 03/07/2022 | 20:30:00 - 20:45:00 | 36 | 11 | 26 | 22 | 9 | 4.6 | 297.9 | -0.9 | 81.5 | 997.1 |
| 03/07/2022 | 20:45:00 - 21:00:00 | 38 | 14 | 32 | 28 | 11 | 3.3 | 289.7 | -1.0 | 80.1 | 997.2 |
| 03/07/2022 | 21:00:00 - 21:15:00 | 38 | 14 | 32 | 28 | 11 | 5.1 | 297.2 | -1.1 | 79.3 | 997.5 |
| 03/07/2022 | 21:15:00 - 21:30:00 | 37 | 13 | 29 | 25 | 10 | 3.6 | 293.4 | -1.2 | 79.5 | 997.6 |
| 03/07/2022 | 21:30:00 - 21:45:00 | 37 | 12 | 27 | 24 | 10 | 2.4 | 309.1 | -1.3 | 80.3 | 997.8 |
| 03/07/2022 | 21:45:00 - 22:00:00 | 37 | 12 | 28 | 24 | 9 | 2.7 | 314.4 | -1.3 | 79.9 | 997.9 |
| 03/07/2022 | 22:00:00 - 22:15:00 | 38 | 13 | 28 | 25 | 9 | 3.0 | 316.7 | -1.5 | 79.9 | 997.9 |
| 03/07/2022 | 22:15:00 - 22:30:00 | 40 | 14 | 31 | 27 | 11 | 3.2 | 304.6 | -1.7 | 79.4 | 997.8 |
| 03/07/2022 | 22:30:00 - 22:45:00 | 40 | 14 | 32 | 28 | 11 | 2.7 | 316.1 | -1.8 | 79.5 | 998.0 |
| 03/07/2022 | 22:45:00 - 23:00:00 | 41 | 16 | 33 | 30 | 12 | 2.5 | 317.2 | -1.8 | 80.4 | 997.9 |
| 03/07/2022 | 23:00:00 - 23:15:00 | 41 | 15 | 31 | 28 | 11 | 2.9 | 303.3 | -1.9 | 79.8 | 997.8 |
| 03/07/2022 | 23:15:00 - 23:30:00 | 37 | 10 | 22 | 19 | 7 | 2.7 | 314.4 | -1.9 | 78.5 | 997.8 |
| 03/07/2022 | 23:30:00 - 23:45:00 | 38 | 10 | 22 | 19 | 7 | 2.7 | 318.4 | -1.9 | 77.7 | 997.8 |
| 03/08/2022 | 23:45:00 - 00:00:00 | 39 | 11 | 23 | 20 | 8 | 2.0 | 328.1 | -1.8 | 78.0 | 997.8 |
| 03/08/2022 | 00:00:00 - 00:15:00 | 40 | 12 | 26 | 22 | 9 | 2.1 | 320.0 | -1.9 | 78.4 | 997.8 |
| 03/08/2022 | 00:15:00 - 00:30:00 | 40 | 11 | 25 | 22 | 8 | 2.1 | 317.4 | -1.9 | 78.1 | 997.8 |
| 03/08/2022 | 00:30:00 - 00:45:00 | 40 | 11 | 25 | 21 | 8 | 2.0 | 322.0 | -1.9 | 76.9 | 997.9 |
| 03/08/2022 | 00:45:00 - 01:00:00 | 41 | 11 | 25 | 21 | 8 | 2.2 | 329.0 | -1.9 | 76.9 | 997.9 |
| 03/08/2022 | 01:00:00 - 01:15:00 | 41 | 11 | 25 | 22 | 8 | 1.7 | 330.0 | -1.8 | 76.4 | 997.9 |
| 03/08/2022 | 01:15:00 - 01:30:00 | 42 | 12 | 25 | 22 | 8 | 1.5 | 330.9 | -1.9 | 76.3 | 997.9 |
| 03/08/2022 | 01:30:00 - 01:45:00 | 42 | 11 | 24 | 21 | 8 | 1.6 | 326.0 | -1.9 | 75.8 | 997.8 |
| 03/08/2022 | 01:45:00 - 02:00:00 | 42 | 11 | 24 | 20 | 8 | 2.1 | 324.6 | -2.0 | 75.7 | 997.7 |
| 03/08/2022 | 02:00:00 - 02:15:00 | 42 | 11 | 24 | 20 | 8 | 1.8 | 353.5 | -1.8 | 75.9 | 997.6 |
| 03/08/2022 | 02:15:00 - 02:30:00 | 42 | 10 | 22 | 19 | 7 | 2.1 | 337.3 | -1.8 | 76.4 | 997.6 |
| 03/08/2022 | 02:30:00 - 02:45:00 | 41 | 9 | 20 | 16 | 6 | 2.7 | 332.0 | -2.1 | 75.8 | 997.8 |
| 03/08/2022 | 02:45:00 - 03:00:00 | 41 | 9 | 20 | 16 | 6 | 1.3 | 358.2 | -2.1 | 75.3 | 997.8 |
| 03/08/2022 | 03:00:00 - 03:15:00 | 41 | 9 | 20 | 16 | 6 | 1.3 | 357.6 | -2.0 | 75.1 | 997.7 |
| 03/08/2022 | 03:15:00 - 03:30:00 | 41 | 9 | 20 | 17 | 6 | 1.4 | 12.0 | -2.0 | 76.0 | 997.6 |
| 03/08/2022 | 03:30:00 - 03:45:00 | 42 | 9 | 20 | 17 | 6 | 1.9 | 17.1 | -2.0 | 75.3 | 997.4 |
| 03/08/2022 | 03:45:00 - 04:00:00 | 42 | 9 | 20 | 17 | 6 | 1.4 | 0.6 | -2.0 | 75.2 | 997.4 |
| 03/08/2022 | 04:00:00 - 04:15:00 | 42 | 9 | 20 | 17 | 7 | 1.1 | 308.9 | -2.2 | 74.5 | 997.4 |
| 03/08/2022 | 04:15:00 - 04:30:00 | 42 | 9 | 20 | 17 | 7 | 1.2 | 47.8 | -2.2 | 75.0 | 997.4 |
| 03/08/2022 | 04:30:00 - 04:45:00 | 42 | 10 | 22 | 18 | 7 | 1.0 | 89.1 | -2.3 | 74.7 | 997.4 |
| 03/08/2022 | 04:45:00 - 05:00:00 | 42 | 9 | 21 | 18 | 7 | 1.0 | 0.9 | -2.1 | 75.5 | 997.6 |
| 03/08/2022 | 05:00:00 - 05:15:00 | 42 | 9 | 21 | 17 | 7 | 1.0 | 351.2 | -2.1 | 75.2 | 997.6 |
| 03/08/2022 | 05:15:00 - 05:30:00 | 42 | 9 | 21 | 18 | 7 | 1.2 | 15.4 | -2.0 | 75.2 | 997.5 |
| 03/08/2022 | 05:30:00 - 05:45:00 | 43 | 10 | 21 | 18 | 7 | 0.3 | 356.2 | -2.2 | 75.2 | 997.5 |
| 03/08/2022 | 05:45:00 - 06:00:00 | 43 | 10 | 22 | 18 | 7 | 0.4 | 236.3 | -2.6 | 75.4 | 997.6 |
| 03/08/2022 | 06:00:00 - 06:15:00 | 44 | 11 | 23 | 19 | 7 | 0.6 | 209.8 | -2.8 | 76.1 | 997.8 |
| 03/08/2022 | 06:15:00 - 06:30:00 | 45 | 11 | 26 | 20 | 8 | 0.2 | 353.9 | -2.8 | 76.8 | 997.9 |
| 03/08/2022 | 06:30:00 - 06:45:00 | 44 | 11 | 24 | 21 | 8 | 0.4 | 186.1 | -2.9 | 77.8 | 997.9 |
| 03/08/2022 | 06:45:00 - 07:00:00 | 44 | 11 | 24 | 22 | 8 | 0.8 | 152.2 | -2.7 | 77.4 | 997.9 |
| 03/08/2022 | 07:00:00 - 07:15:00 | 44 | 11 | 24 | 22 | 8 | 1.1 | 147.5 | -2.5 | 76.5 | 997.8 |
| 03/08/2022 | 07:15:00 - 07:30:00 | 45 | 12 | 27 | 23 | 9 | 0.8 | 190.5 | -2.1 | 75.4 | 997.7 |
| 03/08/2022 | 07:30:00 - 07:45:00 | 45 | 11 | 26 | 21 | 8 | 0.5 | 221.3 | -1.5 | 73.6 | 997.8 |
| 03/08/2022 | 07:45:00 - 08:00:00 | 44 | 11 | 24 | 20 | 7 | 1.5 | 176.8 | -1.8 | 72.9 | 997.9 |
| 03/08/2022 | 08:00:00 - 08:15:00 | 44 | 10 | 23 | 20 | 8 | 2.4 | 112.8 | -1.7 | 73.6 | 998.0 |
| 03/08/2022 | 08:15:00 - 08:30:00 | 44 | 10 | 22 | 20 | 7 | 2.3 | 128.6 | -1.3 | 72.8 | 998.0 |
| 03/08/2022 | 08:30:00 - 08:45:00 | 43 | 9 | 22 | 19 | 8 | 2.4 | 141.1 | -0.8 | 71.8 | 998.0 |
| 03/08/2022 | 08:45:00 - 09:00:00 | 43 | 9 | 21 | 18 | 7 | 2.9 | 124.1 | -0.2 | 69.5 | 998.0 |
| 03/08/2022 | 09:00:00 - 09:15:00 | 44 | 9 | 23 | 19 | 7 | 2.1 | 154.2 | -0.3 | 70.4 | 998.1 |
| 03/08/2022 | 09:15:00 - 09:30:00 | 43 | 10 | 21 | 18 | 7 | 2.7 | 135.6 | 0.1 | 69.7 | 998.3 |
| 03/08/2022 | 09:30:00 - 09:45:00 | 43 | 9 | 20 | 18 | 7 | 2.7 | 139.0 | 0.0 | 69.0 | 998.3 |
| 03/08/2022 | 09:45:00 - 10:00:00 | 43 | 9 | 20 | 19 | 8 | 3.5 | 126.2 | -0.2 | 69.3 | 998.3 |
| 03/08/2022 | 10:00:00 - 10:15:00 | 45 | 9 | 24 | 18 | 7 | 2.0 | 166.2 | 0.1 | 68.9 | 998.2 |
| 03/08/2022 | 10:15:00 - 10:30:00 | 43 | 9 | 20 | 25 | 7 | 2.1 | 180.8 | -0.1 | 69.1 | 998.0 |
| 03/08/2022 | 10:30:00 - 10:45:00 | 45 | 9 | 24 | 18 | 8 | 3.0 | 197.4 | -0.1 | 68.9 | 997.7 |
| 03/08/2022 | 10:45:00 - 11:00:00 | 47 | 9 | 27 | 17 | 7 | 1.2 | 199.8 | 0.8 | 67.7 | 997.6 |
| 03/08/2022 | 11:00:00 - 11:15:00 | 43 | 9 | 19 | 17 | 7 | 0.1 | 308.1 | 1.1 | 66.2 | 997.5 |
| 03/08/2022 | 11:15:00 - 11:30:00 | 44 | 9 | 22 | 18 | 10 | 1.8 | 151.7 | 1.6 | 64.8 | 997.2 |
| 03/08/2022 | 11:30:00 - 11:45:00 | 44 | 8 | 19 | 17 | 8 | 2.8 | 138.9 | 2.0 | 62.4 | 997.0 |
| 03/08/2022 | 11:45:00 - 12:00:00 | 43 | 8 | 18 | 18 | 8 | 2.4 | 122.2 | 2.5 | 62.0 | 996.8 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 03/08/2022 | 12:00:00 - 12:15:00 | 47 | 8 | 24 | 17 | 7 | 1.0 | 247.7 | 2.6 | 62.1 | 996.5 |
| 03/08/2022 | 12:15:00 - 12:30:00 | 44 | 9 | 19 | 18 | 7 | 2.3 | 190.3 | 3.1 | 60.0 | 996.0 |
| 03/08/2022 | 12:30:00 - 12:45:00 | 44 | 8 | 18 | 18 | 7 | 1.8 | 141.9 | 3.1 | 60.5 | 995.5 |
| 03/08/2022 | 12:45:00 - 13:00:00 | 45 | 9 | 22 | 18 | 8 | 0.6 | 355.2 | 3.8 | 59.3 | 995.2 |
| 03/08/2022 | 13:00:00 - 13:15:00 | 48 | 9 | 22 | 19 | 7 | 1.2 | 243.9 | 4.1 | 56.6 | 995.0 |
| 03/08/2022 | 13:15:00 - 13:30:00 | 45 | 9 | 20 | 20 | 7 | 0.4 | 112.8 | 3.9 | 58.3 | 994.6 |
| 03/08/2022 | 13:30:00 - 13:45:00 | 46 | 10 | 21 | 20 | 8 | 1.0 | 177.6 | 3.8 | 57.3 | 994.2 |
| 03/08/2022 | 13:45:00 - 14:00:00 | 46 | 10 | 20 | 20 | 8 | 1.2 | 303.4 | 3.0 | 59.1 | 993.7 |
| 03/08/2022 | 14:00:00 - 14:15:00 | 46 | 10 | 22 | 20 | 8 | 1.6 | 214.8 | 4.2 | 56.8 | 993.3 |
| 03/08/2022 | 14:15:00 - 14:30:00 | 45 | 10 | 24 | 20 | 8 | 2.0 | 303.1 | 4.3 | 56.4 | 993.1 |
| 03/08/2022 | 14:30:00 - 14:45:00 | 50 | 10 | 33 | 21 | 8 | 0.4 | 301.0 | 4.6 | 56.5 | 992.9 |
| 03/08/2022 | 14:45:00 - 15:00:00 | 48 | 11 | 29 | 23 | 9 | 1.9 | 182.0 | 4.8 | 55.3 | 992.8 |
| 03/08/2022 | 15:00:00 - 15:15:00 | 46 | 10 | 26 | 20 | 8 | 2.3 | 152.8 | 4.4 | 56.5 | 993.0 |
| 03/08/2022 | 15:15:00 - 15:30:00 | 44 | 9 | 19 | 20 | 8 | 3.1 | 137.5 | 3.9 | 58.6 | 993.0 |
| 03/08/2022 | 15:30:00 - 15:45:00 | 45 | 7 | 23 | 18 | 7 | 2.9 | 165.1 | 3.9 | 59.7 | 993.2 |
| 03/08/2022 | 15:45:00 - 16:00:00 | 44 | -35 | 18 | 17 | 7 | 2.7 | 176.5 | 4.1 | 58.2 | 993.1 |
| 03/08/2022 | 16:00:00 - 16:15:00 | 43 | 16 | 17 | 16 | 6 | 2.1 | 143.9 | 3.9 | 60.2 | 992.8 |
| 03/08/2022 | 16:15:00 - 16:30:00 | 43 | 20 | 18 | 17 | 13 | 2.2 | 133.4 | 3.4 | 62.5 | 992.6 |
| 03/08/2022 | 16:30:00 - 16:45:00 | 43 | 20 | 18 | 17 | 20 | 1.9 | 82.9 | 3.6 | 62.5 | 992.2 |
| 03/08/2022 | 16:45:00 - 17:00:00 | 45 | 23 | 21 | 18 | 22 | 1.5 | 120.0 | 3.3 | 62.4 | 992.1 |
| 03/08/2022 | 17:00:00 - 17:15:00 | 43 | 22 | 20 | 18 | 20 | 1.7 | 144.6 | 3.2 | 65.0 | 992.0 |
| 03/08/2022 | 17:15:00 - 17:30:00 | 44 | 22 | 21 | 17 | 19 | 0.8 | 141.0 | 3.1 | 65.6 | 991.7 |
| 03/08/2022 | 17:30:00 - 17:45:00 | 43 | 21 | 20 | 17 | 19 | 1.4 | 113.9 | 2.7 | 66.5 | 991.4 |
| 03/08/2022 | 17:45:00 - 18:00:00 | 43 | 20 | 19 | 17 | 19 | 1.7 | 143.3 | 2.3 | 67.9 | 991.3 |
| 03/08/2022 | 18:00:00 - 18:15:00 | 43 | 19 | 20 | 17 | 18 | 2.5 | 136.4 | 2.1 | 68.8 | 991.2 |
| 03/08/2022 | 18:15:00 - 18:30:00 | 42 | 19 | 19 | 16 | 18 | 1.4 | 109.9 | 1.7 | 69.3 | 991.2 |
| 03/08/2022 | 18:30:00 - 18:45:00 | 43 | 22 | 20 | 18 | 20 | 1.3 | 185.9 | 1.4 | 72.0 | 991.1 |
| 03/08/2022 | 18:45:00 - 19:00:00 | 42 | 21 | 20 | 18 | 19 | 1.9 | 164.3 | 1.5 | 71.0 | 991.4 |
| 03/08/2022 | 19:00:00 - 19:15:00 | 43 | 21 | 20 | 18 | 19 | 2.2 | 166.7 | 1.6 | 70.6 | 991.6 |
| 03/08/2022 | 19:15:00 - 19:30:00 | 43 | 23 | 21 | 19 | 22 | 2.0 | 167.2 | 1.4 | 71.3 | 991.6 |
| 03/08/2022 | 19:30:00 - 19:45:00 | 43 | 25 | 22 | 20 | 23 | 2.4 | 172.2 | 1.5 | 72.2 | 991.7 |
| 03/08/2022 | 19:45:00 - 20:00:00 | 44 | 28 | 24 | 21 | 24 | 2.0 | 164.6 | 1.3 | 72.9 | 991.6 |
| 03/08/2022 | 20:00:00 - 20:15:00 | 45 | 31 | 26 | 24 | 28 | 2.3 | 176.2 | 1.4 | 72.5 | 991.8 |
| 03/08/2022 | 20:15:00 - 20:30:00 | 45 | 29 | 25 | 22 | 27 | 2.7 | 176.5 | 1.5 | 70.6 | 991.8 |
| 03/08/2022 | 20:30:00 - 20:45:00 | 45 | 28 | 26 | 22 | 26 | 1.4 | 175.6 | 1.2 | 71.4 | 991.5 |
| 03/08/2022 | 20:45:00 - 21:00:00 | 45 | 32 | 27 | 25 | 29 | 0.6 | 227.6 | 1.2 | 73.1 | 991.4 |
| 03/08/2022 | 21:00:00 - 21:15:00 | 46 | 35 | 29 | 26 | 31 | 0.6 | 211.9 | 1.1 | 74.2 | 991.3 |
| 03/08/2022 | 21:15:00 - 21:30:00 | 46 | 35 | 29 | 27 | 31 | 0.6 | 222.0 | 1.2 | 74.2 | 991.2 |
| 03/08/2022 | 21:30:00 - 21:45:00 | 46 | 38 | 30 | 29 | 33 | 1.0 | 182.4 | 1.1 | 73.6 | 991.2 |
| 03/08/2022 | 21:45:00 - 22:00:00 | 48 | 35 | 35 | 26 | 31 | 0.7 | 183.6 | 1.2 | 73.8 | 991.2 |
| 03/08/2022 | 22:00:00 - 22:15:00 | 46 | 34 | 28 | 25 | 30 | 0.8 | 190.9 | 1.3 | 73.0 | 991.3 |
| 03/08/2022 | 22:15:00 - 22:30:00 | 45 | 33 | 27 | 25 | 28 | 0.8 | 185.5 | 1.4 | 71.4 | 991.2 |
| 03/08/2022 | 22:30:00 - 22:45:00 | 45 | 31 | 27 | 23 | 28 | 0.7 | 169.6 | 1.3 | 71.4 | 991.1 |
| 03/08/2022 | 22:45:00 - 23:00:00 | 46 | 32 | 28 | 24 | 29 | 0.4 | 157.0 | 1.3 | 73.3 | 990.8 |
| 03/08/2022 | 23:00:00 - 23:15:00 | 46 | 33 | 29 | 26 | 30 | 0.6 | 183.3 | 1.3 | 74.7 | 990.6 |
| 03/08/2022 | 23:15:00 - 23:30:00 | 46 | 33 | 29 | 26 | 30 | 0.7 | 155.3 | 1.0 | 75.4 | 990.4 |
| 03/08/2022 | 23:30:00 - 23:45:00 | 46 | 34 | 29 | 26 | 31 | 0.4 | 124.3 | 0.7 | 76.0 | 990.2 |
| 03/08/2022 | 23:45:00 - 00:00:00 | 47 | 36 | 30 | 26 | 32 | 0.8 | 87.8 | 0.1 | 77.7 | 989.9 |
| 03/09/2022 | 00:00:00 - 00:15:00 | 47 | 39 | 31 | 29 | 34 | 0.6 | 123.2 | -0.3 | 79.4 | 989.9 |
| 03/09/2022 | 00:15:00 - 00:30:00 | 48 | 41 | 32 | 31 | 37 | 1.0 | 167.1 | -0.6 | 81.5 | 989.9 |
| 03/09/2022 | 00:30:00 - 00:45:00 | 48 | 42 | 35 | 34 | 40 | 1.2 | 171.7 | -0.8 | 82.3 | 989.9 |
| 03/09/2022 | 00:45:00 - 01:00:00 | 49 | 45 | 36 | 35 | 40 | 0.9 | 165.1 | -0.6 | 82.4 | 989.8 |
| 03/09/2022 | 01:00:00 - 01:15:00 | 49 | 45 | 38 | 36 | 42 | 0.8 | 171.3 | -0.5 | 83.0 | 989.9 |
| 03/09/2022 | 01:15:00 - 01:30:00 | 49 | 46 | 38 | 35 | 42 | 0.6 | 179.9 | -0.3 | 83.1 | 990.0 |
| 03/09/2022 | 01:30:00 - 01:45:00 | 49 | 47 | 37 | 35 | 42 | 0.8 | 98.4 | -0.3 | 82.1 | 989.8 |
| 03/09/2022 | 01:45:00 - 02:00:00 | 50 | 47 | 38 | 36 | 42 | 0.7 | 45.4 | 0.0 | 83.2 | 989.7 |
| 03/09/2022 | 02:00:00 - 02:15:00 | 50 | 47 | 39 | 36 | 42 | 0.4 | 60.2 | 0.2 | 83.0 | 989.6 |
| 03/09/2022 | 02:15:00 - 02:30:00 | 50 | 48 | 38 | 36 | 42 | 0.3 | 32.6 | 0.1 | 82.5 | 989.5 |
| 03/09/2022 | 02:30:00 - 02:45:00 | 50 | 47 | 38 | 36 | 41 | 0.3 | 343.7 | 0.1 | 81.5 | 989.4 |
| 03/09/2022 | 02:45:00 - 03:00:00 | 50 | 48 | 39 | 37 | 45 | 0.2 | 45.2 | 0.1 | 80.4 | 989.3 |
| 03/09/2022 | 03:00:00 - 03:15:00 | 50 | 51 | 40 | 38 | 44 | 0.7 | 129.8 | -0.1 | 81.0 | 989.2 |
| 03/09/2022 | 03:15:00 - 03:30:00 | 50 | 51 | 40 | 39 | 45 | 0.6 | 12.2 | 0.1 | 80.4 | 989.2 |
| 03/09/2022 | 03:30:00 - 03:45:00 | 50 | 48 | 38 | 37 | 42 | 0.2 | 349.2 | 0.4 | 78.9 | 989.1 |
| 03/09/2022 | 03:45:00 - 04:00:00 | 49 | 47 | 37 | 35 | 41 | 0.9 | 319.1 | 0.7 | 78.0 | 988.9 |
| 03/09/2022 | 04:00:00 - 04:15:00 | 50 | 48 | 38 | 35 | 42 | 0.4 | 353.4 | 0.6 | 79.0 | 989.0 |
| 03/09/2022 | 04:15:00 - 04:30:00 | 50 | 51 | 40 | 37 | 44 | 0.5 | 316.6 | 0.6 | 79.0 | 989.0 |
| 03/09/2022 | 04:30:00 - 04:45:00 | 50 | 49 | 37 | 36 | 42 | 0.9 | 323.0 | 0.8 | 78.1 | 989.1 |
| 03/09/2022 | 04:45:00 - 05:00:00 | 48 | 44 | 34 | 32 | 38 | 0.7 | 299.0 | 0.9 | 76.9 | 989.2 |
| 03/09/2022 | 05:00:00 - 05:15:00 | 48 | 42 | 33 | 32 | 37 | 1.0 | 289.0 | 1.0 | 76.0 | 989.2 |
| 03/09/2022 | 05:15:00 - 05:30:00 | 48 | 44 | 34 | 32 | 39 | 1.1 | 272.0 | 0.9 | 75.9 | 989.1 |
| 03/09/2022 | 05:30:00 - 05:45:00 | 49 | 49 | 37 | 36 | 42 | 0.9 | 287.5 | 0.8 | 77.0 | 988.9 |
| 03/09/2022 | 05:45:00 - 06:00:00 | 51 | 50 | 40 | 37 | 45 | 0.6 | 251.8 | 0.5 | 78.7 | 989.0 |
| 03/09/2022 | 06:00:00 - 06:15:00 | 52 | 52 | 42 | 39 | 48 | 0.5 | 256.3 | 0.5 | 79.4 | 989.0 |
| 03/09/2022 | 06:15:00 - 06:30:00 | 58 | 53 | 54 | 40 | 48 | 0.5 | 261.6 | 0.7 | 80.0 | 989.1 |
| 03/09/2022 | 06:30:00 - 06:45:00 | 51 | 51 | 42 | 39 | 48 | 0.9 | 154.3 | 0.8 | 79.8 | 989.1 |
| 03/09/2022 | 06:45:00 - 07:00:00 | 53 | 54 | 44 | 40 | 49 | 0.9 | 150.7 | 0.5 | 80.1 | 989.2 |
| 03/09/2022 | 07:00:00 - 07:15:00 | 60 | 55 | 56 | 42 | 51 | 0.1 | 62.2 | 0.3 | 81.7 | 989.3 |
| 03/09/2022 | 07:15:00 - 07:30:00 | 62 | 53 | 61 | 42 | 50 | 0.2 | 271.9 | 1.0 | 81.0 | 989.6 |
| 03/09/2022 | 07:30:00 - 07:45:00 | 105 | 47 | 127 | 36 | 42 | 1.1 | 313.5 | 1.8 | 77.7 | 990.0 |
| 03/09/2022 | 07:45:00 - 08:00:00 | 56 | 41 | 47 | 31 | 36 | 1.7 | 292.5 | 2.2 | 76.2 | 990.3 |
| 03/09/2022 | 08:00:00 - 08:15:00 | 48 | 35 | 36 | 27 | 31 | 2.5 | 300.2 | 2.2 | 75.3 | 990.4 |
| 03/09/2022 | 08:15:00 - 08:30:00 | 53 | 32 | 46 | 24 | 28 | 2.5 | 311.4 | 3.3 | 72.0 | 990.7 |
| 03/09/2022 | 08:30:00 - 08:45:00 | 48 | 29 | 32 | 22 | 25 | 4.0 | 304.2 | 3.9 | 67.3 | 990.7 |
| 03/09/2022 | 08:45:00 - 09:00:00 | 48 | 30 | 33 | 22 | 27 | 3.2 | 300.2 | 4.0 | 67.0 | 990.8 |
| 03/09/2022 | 09:00:00 - 09:15:00 | 46 | 29 | 27 | 21 | 27 | 3.0 | 305.3 | 4.4 | 65.9 | 991.0 |
| 03/09/2022 | 09:15:00 - 09:30:00 | 46 | 29 | 27 | 21 | 26 | 4.4 | 298.7 | 4.7 | 63.5 | 991.0 |
| 03/09/2022 | 09:30:00 - 09:45:00 | 45 | 29 | 24 | 21 | 28 | 3.6 | 288.8 | 5.1 | 60.6 | 991.0 |
| 03/09/2022 | 09:45:00 - 10:00:00 | 46 | 31 | 27 | 22 | 31 | 3.8 | 308.1 | 5.5 | 59.4 | 991.2 |
| 03/09/2022 | 10:00:00 - 10:15:00 | 51 | 33 | 36 | 25 | 34 | 3.6 | 330.8 | 5.9 | 59.0 | 991.2 |
| 03/09/2022 | 10:15:00 - 10:30:00 | 52 | 34 | 40 | 25 | 34 | 2.3 | 300.2 | 6.6 | 57.0 | 991.1 |
| 03/09/2022 | 10:30:00 - 10:45:00 | 53 | 33 | 40 | 25 | 34 | 2.6 | 293.1 | 6.9 | 56.6 | 991.2 |
| 03/09/2022 | 10:45:00 - 11:00:00 | 47 | 31 | 27 | 24 | 34 | 4.1 | 302.1 | 6.8 | 57.7 | 991.3 |
| 03/09/2022 | 11:00:00 - 11:15:00 | 48 | 31 | 27 | 23 | 33 | 4.7 | 294.2 | 6.8 | 58.2 | 991.4 |
| 03/09/2022 | 11:15:00 - 11:30:00 | 47 | 31 | 26 | 23 | 33 | 3.6 | 287.5 | 7.1 | 59.4 | 991.3 |
| 03/09/2022 | 11:30:00 - 11:45:00 | 45 | 32 | 23 | 22 | 32 | 3.8 | 287.5 | 7.4 | 60.1 | 991.3 |
| 03/09/2022 | 11:45:00 - 12:00:00 | 48 | 30 | 25 | 23 | 33 | 3.6 | 306.8 | 7.7 | 59.9 | 991.3 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 03/09/2022 | 12:00:00 - 12:15:00 | 48 | 29 | 27 | 22 | 31 | 4.2 | 311.7 | 8.0 | 59.4 | 991.2 |
| 03/09/2022 | 12:15:00 - 12:30:00 | 49 | 28 | 32 | 22 | 32 | 3.8 | 315.4 | 8.1 | 60.5 | 991.1 |
| 03/09/2022 | 12:30:00 - 12:45:00 | 47 | 29 | 25 | 22 | 33 | 4.2 | 318.5 | 8.2 | 60.8 | 990.9 |
| 03/09/2022 | 12:45:00 - 13:00:00 | 47 | 31 | 25 | 23 | 34 | 4.2 | 300.3 | 8.1 | 61.6 | 990.7 |
| 03/09/2022 | 13:00:00 - 13:15:00 | 49 | 33 | 29 | 25 | 36 | 5.1 | 299.1 | 8.0 | 61.4 | 990.5 |
| 03/09/2022 | 13:15:00 - 13:30:00 | 52 | 34 | 35 | 25 | 37 | 3.8 | 314.1 | 8.1 | 61.8 | 990.3 |
| 03/09/2022 | 13:30:00 - 13:45:00 | 52 | 33 | 35 | 24 | 36 | 5.5 | 313.7 | 8.2 | 59.4 | 990.3 |
| 03/09/2022 | 13:45:00 - 14:00:00 | 49 | 35 | 29 | 25 | 37 | 4.8 | 300.8 | 7.9 | 59.4 | 990.4 |
| 03/09/2022 | 14:00:00 - 14:15:00 | 50 | 36 | 31 | 25 | 38 | 3.8 | 297.8 | 8.7 | 58.3 | 990.4 |
| 03/09/2022 | 14:15:00 - 14:30:00 | 50 | 36 | 34 | 25 | 38 | 4.5 | 307.3 | 8.4 | 58.7 | 990.4 |
| 03/09/2022 | 14:30:00 - 14:45:00 | 50 | 34 | 31 | 24 | 36 | 5.1 | 303.3 | 7.9 | 59.6 | 990.4 |
| 03/09/2022 | 14:45:00 - 15:00:00 | 48 | 34 | 27 | 23 | 35 | 4.2 | 305.5 | 7.7 | 60.8 | 990.5 |
| 03/09/2022 | 15:00:00 - 15:15:00 | 46 | 33 | 25 | 23 | 34 | 3.0 | 301.3 | 8.0 | 60.9 | 990.6 |
| 03/09/2022 | 15:15:00 - 15:30:00 | 48 | 28 | 29 | 20 | 31 | 2.8 | 288.5 | 8.6 | 58.0 | 990.6 |
| 03/09/2022 | 15:30:00 - 15:45:00 | 45 | 27 | 23 | 20 | 32 | 3.5 | 328.5 | 9.0 | 57.4 | 990.6 |
| 03/09/2022 | 15:45:00 - 16:00:00 | 47 | 28 | 26 | 21 | 33 | 3.7 | 345.0 | 8.0 | 59.9 | 990.7 |
| 03/09/2022 | 16:00:00 - 16:15:00 | 46 | 26 | 25 | 19 | 30 | 3.8 | 342.1 | 7.9 | 59.7 | 990.7 |
| 03/09/2022 | 16:15:00 - 16:30:00 | 44 | 23 | 20 | 18 | 27 | 4.5 | 339.9 | 7.0 | 60.0 | 990.8 |
| 03/09/2022 | 16:30:00 - 16:45:00 | 44 | 22 | 20 | 18 | 26 | 3.7 | 353.1 | 6.6 | 63.5 | 990.8 |
| 03/09/2022 | 16:45:00 - 17:00:00 | 43 | 20 | 18 | 16 | 23 | 4.0 | 351.2 | 6.4 | 63.1 | 990.9 |
| 03/09/2022 | 17:00:00 - 17:15:00 | 42 | 17 | 17 | 15 | 21 | 3.8 | 351.7 | 6.2 | 62.2 | 991.1 |
| 03/09/2022 | 17:15:00 - 17:30:00 | 41 | 13 | 16 | 13 | 18 | 2.8 | 354.8 | 5.5 | 62.7 | 991.3 |
| 03/09/2022 | 17:30:00 - 17:45:00 | 41 | 13 | 15 | 13 | 17 | 2.4 | 357.0 | 4.9 | 64.4 | 991.5 |
| 03/09/2022 | 17:45:00 - 18:00:00 | 41 | 13 | 16 | 13 | 16 | 3.3 | 1.1 | 4.2 | 68.3 | 991.7 |
| 03/09/2022 | 18:00:00 - 18:15:00 | 41 | 14 | 16 | 13 | 16 | 1.9 | 4.0 | 3.7 | 70.4 | 992.0 |
| 03/09/2022 | 18:15:00 - 18:30:00 | 41 | 13 | 16 | 14 | 16 | 2.6 | 24.3 | 3.3 | 71.5 | 992.3 |
| 03/09/2022 | 18:30:00 - 18:45:00 | 41 | 14 | 17 | 14 | 17 | 1.0 | 32.1 | 2.9 | 72.2 | 992.6 |
| 03/09/2022 | 18:45:00 - 19:00:00 | 41 | 15 | 18 | 15 | 17 | 1.0 | 57.2 | 2.6 | 73.7 | 992.9 |
| 03/09/2022 | 19:00:00 - 19:15:00 | 42 | 18 | 19 | 16 | 19 | 0.8 | 62.3 | 2.3 | 74.4 | 993.2 |
| 03/09/2022 | 19:15:00 - 19:30:00 | 42 | 20 | 21 | 16 | 18 | 1.1 | 42.2 | 2.2 | 73.7 | 993.6 |
| 03/09/2022 | 19:30:00 - 19:45:00 | 42 | 19 | 20 | 16 | 18 | 1.7 | 45.2 | 1.9 | 74.6 | 993.7 |
| 03/09/2022 | 19:45:00 - 20:00:00 | 42 | 19 | 21 | 17 | 18 | 0.8 | 37.8 | 1.7 | 75.4 | 993.9 |
| 03/09/2022 | 20:00:00 - 20:15:00 | 42 | 20 | 21 | 18 | 19 | 0.8 | 358.6 | 1.6 | 75.6 | 994.1 |
| 03/09/2022 | 20:15:00 - 20:30:00 | 42 | 24 | 21 | 18 | 20 | 0.2 | 16.2 | 1.2 | 76.8 | 994.2 |
| 03/09/2022 | 20:30:00 - 20:45:00 | 42 | 24 | 22 | 19 | 21 | 1.5 | 354.8 | 1.1 | 76.8 | 994.2 |
| 03/09/2022 | 20:45:00 - 21:00:00 | 43 | 23 | 23 | 19 | 20 | 0.8 | 34.8 | 1.0 | 76.4 | 994.1 |
| 03/09/2022 | 21:00:00 - 21:15:00 | 43 | 22 | 23 | 20 | 21 | 1.4 | 10.1 | 0.8 | 77.0 | 994.2 |
| 03/09/2022 | 21:15:00 - 21:30:00 | 44 | 22 | 24 | 20 | 22 | 1.5 | 12.2 | 0.7 | 77.2 | 994.4 |
| 03/09/2022 | 21:30:00 - 21:45:00 | 43 | 21 | 24 | 20 | 22 | 1.4 | 5.7 | 0.5 | 78.2 | 994.5 |
| 03/09/2022 | 21:45:00 - 22:00:00 | 42 | 21 | 22 | 19 | 23 | 2.1 | 10.6 | 0.3 | 78.7 | 994.5 |
| 03/09/2022 | 22:00:00 - 22:15:00 | 43 | 20 | 22 | 18 | 21 | 2.7 | 4.8 | 0.3 | 78.3 | 994.6 |
| 03/09/2022 | 22:15:00 - 22:30:00 | 42 | 20 | 20 | 18 | 19 | 3.2 | 1.0 | 0.1 | 79.0 | 994.5 |
| 03/09/2022 | 22:30:00 - 22:45:00 | 41 | 19 | 20 | 17 | 19 | 2.5 | 358.1 | -0.2 | 79.9 | 994.6 |
| 03/09/2022 | 22:45:00 - 23:00:00 | 42 | 19 | 20 | 17 | 19 | 2.1 | 1.6 | -0.4 | 80.6 | 994.6 |
| 03/09/2022 | 23:00:00 - 23:15:00 | 41 | 20 | 19 | 17 | 18 | 1.8 | 4.5 | -0.7 | 81.0 | 994.5 |
| 03/09/2022 | 23:15:00 - 23:30:00 | 41 | 20 | 20 | 18 | 18 | 2.1 | 355.9 | -0.8 | 81.0 | 994.5 |
| 03/09/2022 | 23:30:00 - 23:45:00 | 41 | 21 | 20 | 18 | 19 | 2.4 | 3.3 | -0.9 | 81.2 | 994.4 |
| 03/10/2022 | 23:45:00 - 00:00:00 | 41 | 21 | 20 | 18 | 19 | 2.2 | 8.8 | -1.1 | 82.0 | 994.3 |
| 03/10/2022 | 00:00:00 - 00:15:00 | 41 | 21 | 20 | 18 | 20 | 3.0 | 359.6 | -1.2 | 81.9 | 994.3 |
| 03/10/2022 | 00:15:00 - 00:30:00 | 42 | 21 | 21 | 19 | 20 | 2.3 | 8.5 | -1.3 | 82.0 | 994.3 |
| 03/10/2022 | 00:30:00 - 00:45:00 | 42 | 23 | 21 | 20 | 22 | 1.7 | 16.2 | -1.4 | 82.9 | 994.3 |
| 03/10/2022 | 00:45:00 - 01:00:00 | 43 | 24 | 22 | 21 | 23 | 2.3 | 19.4 | -1.6 | 83.4 | 994.4 |
| 03/10/2022 | 01:00:00 - 01:15:00 | 43 | 25 | 23 | 22 | 24 | 1.9 | 28.5 | -1.8 | 84.5 | 994.6 |
| 03/10/2022 | 01:15:00 - 01:30:00 | 43 | 26 | 23 | 22 | 24 | 2.1 | 19.5 | -1.9 | 85.3 | 994.5 |
| 03/10/2022 | 01:30:00 - 01:45:00 | 43 | 26 | 24 | 22 | 24 | 1.9 | 18.9 | -2.1 | 86.0 | 994.5 |
| 03/10/2022 | 01:45:00 - 02:00:00 | 43 | 26 | 24 | 23 | 24 | 1.8 | 7.6 | -2.2 | 86.6 | 994.4 |
| 03/10/2022 | 02:00:00 - 02:15:00 | 44 | 27 | 25 | 24 | 24 | 1.6 | 20.7 | -2.3 | 87.0 | 994.4 |
| 03/10/2022 | 02:15:00 - 02:30:00 | 44 | 28 | 25 | 25 | 26 | 2.4 | 10.6 | -2.4 | 87.8 | 994.3 |
| 03/10/2022 | 02:30:00 - 02:45:00 | 44 | 28 | 26 | 25 | 25 | 1.7 | 18.9 | -2.4 | 87.9 | 994.4 |
| 03/10/2022 | 02:45:00 - 03:00:00 | 44 | 28 | 24 | 24 | 25 | 2.0 | 17.0 | -2.4 | 87.6 | 994.5 |
| 03/10/2022 | 03:00:00 - 03:15:00 | 44 | 27 | 24 | 24 | 25 | 2.4 | 11.3 | -2.6 | 87.1 | 994.6 |
| 03/10/2022 | 03:15:00 - 03:30:00 | 44 | 28 | 24 | 24 | 25 | 1.8 | 24.6 | -2.7 | 87.4 | 994.6 |
| 03/10/2022 | 03:30:00 - 03:45:00 | 43 | 27 | 24 | 24 | 25 | 2.3 | 21.3 | -2.8 | 87.8 | 994.7 |
| 03/10/2022 | 03:45:00 - 04:00:00 | 43 | 25 | 22 | 21 | 23 | 2.9 | 22.0 | -2.9 | 87.0 | 994.9 |
| 03/10/2022 | 04:00:00 - 04:15:00 | 43 | 25 | 22 | 21 | 22 | 3.0 | 12.4 | -3.0 | 87.0 | 995.1 |
| 03/10/2022 | 04:15:00 - 04:30:00 | 43 | 25 | 22 | 22 | 23 | 2.3 | 23.1 | -3.0 | 87.6 | 995.3 |
| 03/10/2022 | 04:30:00 - 04:45:00 | 43 | 27 | 23 | 23 | 25 | 2.1 | 23.0 | -2.9 | 87.6 | 995.5 |
| 03/10/2022 | 04:45:00 - 05:00:00 | 43 | 27 | 23 | 23 | 25 | 3.1 | 19.9 | -2.9 | 87.0 | 995.6 |
| 03/10/2022 | 05:00:00 - 05:15:00 | 43 | 27 | 23 | 24 | 25 | 3.0 | 31.9 | -2.9 | 87.0 | 995.6 |
| 03/10/2022 | 05:15:00 - 05:30:00 | 43 | 26 | 22 | 22 | 24 | 2.8 | 21.9 | -3.1 | 86.8 | 995.5 |
| 03/10/2022 | 05:30:00 - 05:45:00 | 42 | 23 | 21 | 20 | 22 | 2.8 | 20.9 | -3.1 | 85.9 | 995.7 |
| 03/10/2022 | 05:45:00 - 06:00:00 | 42 | 22 | 20 | 20 | 20 | 2.9 | 19.2 | -3.3 | 85.5 | 995.7 |
| 03/10/2022 | 06:00:00 - 06:15:00 | 41 | 18 | 17 | 15 | 17 | 2.3 | 18.4 | -3.4 | 83.7 | 996.0 |
| 03/10/2022 | 06:15:00 - 06:30:00 | 41 | 19 | 18 | 16 | 17 | 2.4 | 17.3 | -3.4 | 83.1 | 996.4 |
| 03/10/2022 | 06:30:00 - 06:45:00 | 41 | 20 | 18 | 16 | 17 | 2.8 | 1.2 | -3.4 | 83.4 | 996.6 |
| 03/10/2022 | 06:45:00 - 07:00:00 | 41 | 20 | 18 | 17 | 19 | 2.5 | 3.4 | -3.3 | 83.0 | 996.8 |
| 03/10/2022 | 07:00:00 - 07:15:00 | 41 | 19 | 18 | 16 | 17 | 2.9 | 8.9 | -3.1 | 82.4 | 997.0 |
| 03/10/2022 | 07:15:00 - 07:30:00 | 41 | 18 | 17 | 15 | 16 | 3.3 | 11.3 | -2.9 | 81.4 | 997.1 |
| 03/10/2022 | 07:30:00 - 07:45:00 | 41 | 17 | 17 | 15 | 16 | 3.0 | 13.8 | -2.7 | 80.5 | 997.0 |
| 03/10/2022 | 07:45:00 - 08:00:00 | 40 | 17 | 17 | 16 | 17 | 2.5 | 26.5 | -2.6 | 79.9 | 997.1 |
| 03/10/2022 | 08:00:00 - 08:15:00 | 40 | 18 | 18 | 18 | 18 | 2.8 | 23.3 | -2.6 | 79.8 | 997.0 |
| 03/10/2022 | 08:15:00 - 08:30:00 | 42 | 18 | 21 | 16 | 18 | 3.4 | 19.5 | -1.9 | 78.0 | 997.2 |
| 03/10/2022 | 08:30:00 - 08:45:00 | 42 | 18 | 19 | 17 | 18 | 2.8 | 19.9 | -1.2 | 76.0 | 997.3 |
| 03/10/2022 | 08:45:00 - 09:00:00 | 41 | 17 | 19 | 17 | 19 | 3.3 | 30.8 | -0.5 | 74.1 | 997.2 |
| 03/10/2022 | 09:00:00 - 09:15:00 | 41 | 19 | 19 | 18 | 25 | 3.5 | 36.6 | -0.4 | 72.7 | 997.1 |
| 03/10/2022 | 09:15:00 - 09:30:00 | 42 | 23 | 22 | 21 | 27 | 3.2 | 35.4 | -0.2 | 72.8 | 997.2 |
| 03/10/2022 | 09:30:00 - 09:45:00 | 42 | 25 | 22 | 22 | 28 | 3.9 | 50.8 | 0.5 | 72.0 | 997.1 |
| 03/10/2022 | 09:45:00 - 10:00:00 | 43 | 26 | 24 | 22 | 33 | 4.4 | 70.1 | 0.2 | 72.3 | 996.9 |
| 03/10/2022 | 10:00:00 - 10:15:00 | 43 | 27 | 24 | 23 | 33 | 5.2 | 77.8 | -0.2 | 74.6 | 996.7 |
| 03/10/2022 | 10:15:00 - 10:30:00 | 44 | 28 | 25 | 24 | 36 | 5.1 | 71.8 | 0.7 | 73.3 | 996.5 |
| 03/10/2022 | 10:30:00 - 10:45:00 | 45 | 29 | 26 | 25 | 44 | 3.7 | 80.9 | 0.6 | 73.0 | 996.6 |
| 03/10/2022 | 10:45:00 - 11:00:00 | 45 | 30 | 27 | 27 | 37 | 2.7 | 52.6 | 1.1 | 73.5 | 996.7 |
| 03/10/2022 | 11:00:00 - 11:15:00 | 45 | 31 | 27 | 25 | 37 | 3.7 | 53.7 | 1.7 | 72.3 | 996.4 |
| 03/10/2022 | 11:15:00 - 11:30:00 | 45 | 30 | 30 | 25 | 37 | 3.0 | 40.3 | 1.5 | 72.6 | 996.3 |
| 03/10/2022 | 11:30:00 - 11:45:00 | 46 | 32 | 28 | 27 | 39 | 2.7 | 60.5 | 1.6 | 72.4 | 996.0 |
| 03/10/2022 | 11:45:00 - 12:00:00 | 46 | 34 | 28 | 27 | 42 | 3.4 | 71.9 | 1.7 | 70.9 | 995.8 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 03/10/2022 | 12:00:00 - 12:15:00 | 46 | 35 | 28 | 28 | 43 | 3.7 | 82.6 | 1.7 | 71.1 | 995.3 |
| 03/10/2022 | 12:15:00 - 12:30:00 | 46 | 32 | 29 | 27 | 42 | 2.9 | 58.8 | 2.4 | 69.1 | 995.2 |
| 03/10/2022 | 12:30:00 - 12:45:00 | 45 | 31 | 27 | 27 | 41 | 3.7 | 63.2 | 2.9 | 67.2 | 994.7 |
| 03/10/2022 | 12:45:00 - 13:00:00 | 45 | 27 | 25 | 23 | 34 | 2.1 | 45.1 | 3.6 | 62.6 | 994.4 |
| 03/10/2022 | 13:00:00 - 13:15:00 | 44 | 26 | 23 | 23 | 35 | 2.9 | 56.8 | 4.0 | 60.7 | 994.1 |
| 03/10/2022 | 13:15:00 - 13:30:00 | 43 | 23 | 21 | 21 | 31 | 1.8 | 47.8 | 4.8 | 58.2 | 994.1 |
| 03/10/2022 | 13:30:00 - 13:45:00 | 43 | 23 | 20 | 21 | 31 | 3.1 | 56.1 | 4.6 | 58.7 | 993.9 |
| 03/10/2022 | 13:45:00 - 14:00:00 | 43 | 21 | 20 | 21 | 28 | 2.3 | 16.4 | 5.6 | 55.0 | 993.8 |
| 03/10/2022 | 14:00:00 - 14:15:00 | 45 | 22 | 24 | 18 | 29 | 3.2 | 340.4 | 5.4 | 54.4 | 993.9 |
| 03/10/2022 | 14:15:00 - 14:30:00 | 43 | 24 | 21 | 23 | 33 | 2.5 | 36.7 | 4.5 | 57.8 | 993.8 |
| 03/10/2022 | 14:30:00 - 14:45:00 | 44 | 24 | 22 | 20 | 32 | 2.4 | 15.2 | 4.7 | 58.6 | 993.6 |
| 03/10/2022 | 14:45:00 - 15:00:00 | 43 | 25 | 21 | 21 | 33 | 2.3 | 17.6 | 4.6 | 60.8 | 993.5 |
| 03/10/2022 | 15:00:00 - 15:15:00 | 44 | 24 | 22 | 21 | 32 | 1.4 | 25.9 | 4.6 | 60.4 | 993.6 |
| 03/10/2022 | 15:15:00 - 15:30:00 | 43 | 22 | 20 | 25 | 31 | 2.7 | 44.1 | 4.5 | 59.0 | 993.4 |
| 03/10/2022 | 15:30:00 - 15:45:00 | 43 | 22 | 21 | 21 | 30 | 2.0 | 34.5 | 4.4 | 59.8 | 993.4 |
| 03/10/2022 | 15:45:00 - 16:00:00 | 44 | 21 | 23 | 18 | 27 | 2.4 | 17.1 | 4.3 | 59.4 | 993.4 |
| 03/10/2022 | 16:00:00 - 16:15:00 | 43 | 20 | 22 | 22 | 28 | 1.8 | 40.7 | 4.0 | 59.3 | 993.3 |
| 03/10/2022 | 16:15:00 - 16:30:00 | 42 | 20 | 20 | 21 | 28 | 3.6 | 62.6 | 3.7 | 59.2 | 993.1 |
| 03/10/2022 | 16:30:00 - 16:45:00 | 43 | 20 | 21 | 20 | 28 | 3.1 | 41.5 | 3.6 | 60.5 | 993.1 |
| 03/10/2022 | 16:45:00 - 17:00:00 | 43 | 21 | 22 | 19 | 30 | 2.5 | 29.6 | 3.5 | 62.6 | 993.0 |
| 03/10/2022 | 17:00:00 - 17:15:00 | 43 | 24 | 22 | 20 | 30 | 2.1 | 26.1 | 3.1 | 62.6 | 992.9 |
| 03/10/2022 | 17:15:00 - 17:30:00 | 43 | 24 | 23 | 19 | 27 | 2.4 | 13.8 | 2.9 | 63.4 | 993.2 |
| 03/10/2022 | 17:30:00 - 17:45:00 | 44 | 27 | 24 | 21 | 29 | 3.6 | 11.6 | 2.5 | 63.6 | 993.3 |
| 03/10/2022 | 17:45:00 - 18:00:00 | 44 | 30 | 27 | 24 | 31 | 2.5 | 10.3 | 1.5 | 72.7 | 993.4 |
| 03/10/2022 | 18:00:00 - 18:15:00 | 44 | 29 | 26 | 24 | 32 | 2.7 | 25.9 | 1.0 | 75.7 | 993.3 |
| 03/10/2022 | 18:15:00 - 18:30:00 | 44 | 30 | 28 | 25 | 33 | 3.1 | 6.7 | 0.3 | 79.8 | 993.4 |
| 03/10/2022 | 18:30:00 - 18:45:00 | 46 | 37 | 32 | 30 | 38 | 3.6 | 1.2 | -0.5 | 84.3 | 993.3 |
| 03/10/2022 | 18:45:00 - 19:00:00 | 48 | 50 | 38 | 35 | 46 | 3.6 | 355.8 | -0.7 | 86.3 | 993.2 |
| 03/10/2022 | 19:00:00 - 19:15:00 | 50 | 51 | 43 | 41 | 52 | 3.1 | 353.6 | -0.7 | 87.7 | 993.3 |
| 03/10/2022 | 19:15:00 - 19:30:00 | 52 | 58 | 47 | 47 | 59 | 2.4 | 2.8 | -0.9 | 88.7 | 993.3 |
| 03/10/2022 | 19:30:00 - 19:45:00 | 52 | 60 | 49 | 48 | 63 | 2.4 | 9.7 | -1.0 | 89.0 | 993.3 |
| 03/10/2022 | 19:45:00 - 20:00:00 | 53 | 60 | 49 | 48 | 63 | 1.6 | 26.6 | -1.0 | 89.7 | 993.2 |
| 03/10/2022 | 20:00:00 - 20:15:00 | 53 | 60 | 49 | 48 | 62 | 2.3 | 3.2 | -1.0 | 90.1 | 993.1 |
| 03/10/2022 | 20:15:00 - 20:30:00 | 51 | 56 | 46 | 45 | 58 | 2.2 | 19.9 | -1.1 | 90.9 | 993.1 |
| 03/10/2022 | 20:30:00 - 20:45:00 | 49 | 49 | 42 | 40 | 51 | 2.5 | 16.7 | -1.1 | 90.5 | 993.1 |
| 03/10/2022 | 20:45:00 - 21:00:00 | 49 | 49 | 40 | 40 | 51 | 2.4 | 34.0 | -1.3 | 90.3 | 993.0 |
| 03/10/2022 | 21:00:00 - 21:15:00 | 48 | 46 | 38 | 42 | 47 | 3.2 | 40.1 | -1.4 | 89.0 | 993.0 |
| 03/10/2022 | 21:15:00 - 21:30:00 | 48 | 44 | 37 | 38 | 45 | 3.2 | 32.8 | -1.6 | 88.7 | 993.1 |
| 03/10/2022 | 21:30:00 - 21:45:00 | 48 | 43 | 37 | 35 | 43 | 3.0 | 20.9 | -1.7 | 89.0 | 993.4 |
| 03/10/2022 | 21:45:00 - 22:00:00 | 49 | 47 | 39 | 38 | 46 | 2.7 | 27.6 | -1.8 | 89.4 | 993.2 |
| 03/10/2022 | 22:00:00 - 22:15:00 | 49 | 47 | 39 | 38 | 47 | 2.1 | 25.5 | -2.0 | 91.3 | 993.2 |
| 03/10/2022 | 22:15:00 - 22:30:00 | 48 | 45 | 38 | 37 | 45 | 2.5 | 24.8 | -2.2 | 92.0 | 993.2 |
| 03/10/2022 | 22:30:00 - 22:45:00 | 49 | 49 | 40 | 41 | 50 | 2.0 | 27.1 | -2.2 | 92.1 | 993.2 |
| 03/10/2022 | 22:45:00 - 23:00:00 | 53 | 61 | 48 | 49 | 61 | 2.7 | 22.9 | -2.4 | 92.2 | 993.2 |
| 03/10/2022 | 23:00:00 - 23:15:00 | 52 | 59 | 48 | 45 | 59 | 3.2 | 17.9 | -2.7 | 92.3 | 993.1 |
| 03/10/2022 | 23:15:00 - 23:30:00 | 50 | 53 | 43 | 42 | 53 | 2.9 | 13.2 | -2.9 | 92.4 | 993.0 |
| 03/10/2022 | 23:30:00 - 23:45:00 | 50 | 53 | 42 | 41 | 52 | 3.2 | 18.1 | -3.0 | 92.6 | 992.9 |
| 03/11/2022 | 23:45:00 - 00:00:00 | 50 | 55 | 43 | 44 | 56 | 3.5 | 22.2 | -3.2 | 92.8 | 992.7 |
| 03/11/2022 | 00:00:00 - 00:15:00 | 50 | 55 | 43 | 45 | 56 | 3.0 | 12.0 | -3.3 | 93.1 | 992.8 |
| 03/11/2022 | 00:15:00 - 00:30:00 | 50 | 54 | 43 | 42 | 53 | 2.5 | 14.2 | -3.3 | 93.6 | 992.8 |
| 03/11/2022 | 00:30:00 - 00:45:00 | 50 | 53 | 42 | 42 | 53 | 3.3 | 15.8 | -3.4 | 93.2 | 992.6 |
| 03/11/2022 | 00:45:00 - 01:00:00 | 50 | 54 | 43 | 42 | 53 | 2.9 | 16.8 | -3.4 | 93.0 | 992.6 |
| 03/11/2022 | 01:00:00 - 01:15:00 | 46 | 38 | 33 | 30 | 38 | 3.1 | 2.1 | -3.5 | 93.1 | 992.6 |
| 03/11/2022 | 01:15:00 - 01:30:00 | 42 | 26 | 24 | 20 | 26 | 3.5 | 0.7 | -3.8 | 93.1 | 992.6 |
| 03/11/2022 | 01:30:00 - 01:45:00 | 42 | 25 | 23 | 20 | 25 | 3.2 | 3.1 | -3.9 | 93.0 | 992.7 |
| 03/11/2022 | 01:45:00 - 02:00:00 | 43 | 27 | 25 | 21 | 27 | 3.4 | 349.6 | -3.9 | 93.0 | 992.8 |
| 03/11/2022 | 02:00:00 - 02:15:00 | 43 | 29 | 26 | 23 | 32 | 3.4 | 3.9 | -4.0 | 93.0 | 992.5 |
| 03/11/2022 | 02:15:00 - 02:30:00 | 43 | 30 | 27 | 24 | 32 | 3.3 | 2.1 | -4.1 | 93.0 | 992.0 |
| 03/11/2022 | 02:30:00 - 02:45:00 | 44 | 31 | 27 | 24 | 31 | 3.6 | 354.8 | -4.2 | 92.9 | 992.2 |
| 03/11/2022 | 02:45:00 - 03:00:00 | 44 | 31 | 27 | 24 | 31 | 2.7 | 358.8 | -4.2 | 93.0 | 992.3 |
| 03/11/2022 | 03:00:00 - 03:15:00 | 45 | 33 | 29 | 27 | 33 | 3.3 | 357.8 | -4.2 | 93.0 | 992.2 |
| 03/11/2022 | 03:15:00 - 03:30:00 | 44 | 31 | 27 | 24 | 31 | 3.0 | 6.6 | -4.4 | 93.2 | 991.9 |
| 03/11/2022 | 03:30:00 - 03:45:00 | 44 | 30 | 27 | 23 | 30 | 3.5 | 354.4 | -4.4 | 93.2 | 992.1 |
| 03/11/2022 | 03:45:00 - 04:00:00 | 44 | 32 | 28 | 25 | 32 | 2.9 | 0.2 | -4.5 | 93.6 | 992.0 |
| 03/11/2022 | 04:00:00 - 04:15:00 | 45 | 33 | 29 | 25 | 32 | 2.8 | 355.2 | -4.5 | 94.0 | 992.2 |
| 03/11/2022 | 04:15:00 - 04:30:00 | 45 | 34 | 29 | 25 | 32 | 2.8 | 2.8 | -4.6 | 94.1 | 992.1 |
| 03/11/2022 | 04:30:00 - 04:45:00 | 45 | 33 | 29 | 25 | 31 | 3.3 | 354.7 | -4.7 | 94.3 | 992.1 |
| 03/11/2022 | 04:45:00 - 05:00:00 | 44 | 32 | 28 | 24 | 30 | 2.6 | 353.7 | -4.7 | 94.9 | 992.0 |
| 03/11/2022 | 05:00:00 - 05:15:00 | 44 | 30 | 27 | 23 | 28 | 2.6 | 347.5 | -4.9 | 95.0 | 992.0 |
| 03/11/2022 | 05:15:00 - 05:30:00 | 44 | 30 | 28 | 23 | 27 | 2.4 | 344.2 | -4.9 | 95.0 | 991.9 |
| 03/11/2022 | 05:30:00 - 05:45:00 | 44 | 30 | 27 | 23 | 28 | 2.7 | 339.2 | -5.0 | 95.0 | 992.1 |
| 03/11/2022 | 05:45:00 - 06:00:00 | 45 | 31 | 29 | 24 | 29 | 2.1 | 351.3 | -5.0 | 95.1 | 992.1 |
| 03/11/2022 | 06:00:00 - 06:15:00 | 45 | 31 | 29 | 24 | 29 | 2.4 | 351.1 | -5.0 | 95.3 | 992.0 |
| 03/11/2022 | 06:15:00 - 06:30:00 | 45 | 31 | 29 | 24 | 29 | 2.7 | 343.0 | -5.1 | 95.2 | 992.1 |
| 03/11/2022 | 06:30:00 - 06:45:00 | 44 | 31 | 27 | 24 | 29 | 3.4 | 335.3 | -5.2 | 95.0 | 992.5 |
| 03/11/2022 | 06:45:00 - 07:00:00 | 44 | 30 | 27 | 23 | 27 | 3.2 | 338.0 | -5.4 | 95.0 | 992.5 |
| 03/11/2022 | 07:00:00 - 07:15:00 | 44 | 32 | 28 | 24 | 29 | 2.9 | 336.6 | -5.3 | 95.0 | 992.5 |
| 03/11/2022 | 07:15:00 - 07:30:00 | 44 | 34 | 28 | 24 | 29 | 2.8 | 334.7 | -5.2 | 94.3 | 992.7 |
| 03/11/2022 | 07:30:00 - 07:45:00 | 45 | 34 | 30 | 26 | 32 | 3.0 | 337.4 | -5.1 | 94.0 | 992.8 |
| 03/11/2022 | 07:45:00 - 08:00:00 | 45 | 34 | 30 | 26 | 33 | 3.1 | 330.7 | -5.1 | 93.2 | 992.7 |
| 03/11/2022 | 08:00:00 - 08:15:00 | 45 | 33 | 31 | 25 | 32 | 3.3 | 345.9 | -5.0 | 92.1 | 992.6 |
| 03/11/2022 | 08:15:00 - 08:30:00 | 45 | 32 | 30 | 24 | 30 | 3.3 | 337.5 | -4.9 | 90.8 | 992.6 |
| 03/11/2022 | 08:30:00 - 08:45:00 | 44 | 28 | 28 | 22 | 34 | 3.0 | 340.3 | -4.8 | 89.4 | 992.5 |
| 03/11/2022 | 08:45:00 - 09:00:00 | 44 | 29 | 27 | 22 | 41 | 3.3 | 331.0 | -4.5 | 87.7 | 992.6 |
| 03/11/2022 | 09:00:00 - 09:15:00 | 44 | 29 | 27 | 22 | 30 | 2.7 | 322.1 | -4.3 | 86.4 | 992.6 |
| 03/11/2022 | 09:15:00 - 09:30:00 | 43 | 28 | 26 | 21 | 28 | 2.9 | 327.5 | -4.0 | 85.1 | 992.7 |
| 03/11/2022 | 09:30:00 - 09:45:00 | 42 | 26 | 23 | 18 | 25 | 4.8 | 305.4 | -4.2 | 83.9 | 992.9 |
| 03/11/2022 | 09:45:00 - 10:00:00 | 41 | 20 | 22 | 16 | 24 | 3.8 | 332.7 | -3.8 | 83.4 | 992.7 |
| 03/11/2022 | 10:00:00 - 10:15:00 | 40 | 14 | 18 | 12 | 18 | 4.5 | 331.1 | -3.1 | 80.3 | 992.8 |
| 03/11/2022 | 10:15:00 - 10:30:00 | 39 | 12 | 17 | 11 | 17 | 4.9 | 337.6 | -2.9 | 78.6 | 992.6 |
| 03/11/2022 | 10:30:00 - 10:45:00 | 38 | 13 | 16 | 10 | 16 | 3.9 | 315.5 | -2.9 | 77.9 | 992.7 |
| 03/11/2022 | 10:45:00 - 11:00:00 | 38 | 15 | 15 | 10 | 16 | 4.6 | 311.8 | -2.9 | 77.6 | 992.9 |
| 03/11/2022 | 11:00:00 - 11:15:00 | 38 | 16 | 15 | 11 | 19 | 4.1 | 307.2 | -2.7 | 77.1 | 992.7 |
| 03/11/2022 | 11:15:00 - 11:30:00 | 39 | 17 | 15 | 12 | 20 | 4.0 | 305.5 | -2.3 | 76.2 | 992.6 |
| 03/11/2022 | 11:30:00 - 11:45:00 | 39 | 21 | 15 | 12 | 20 | 2.9 | 296.2 | -2.4 | 76.7 | 992.6 |
| 03/11/2022 | 11:45:00 - 12:00:00 | 40 | 22 | 18 | 15 | 24 | 4.8 | 311.3 | -2.0 | 75.9 | 992.6 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 03/11/2022 | 12:00:00 - 12:15:00 | 41 | 23 | 18 | 16 | 26 | 4.0 | 297.1 | -2.3 | 75.4 | 992.4 |
| 03/11/2022 | 12:15:00 - 12:30:00 | 40 | 25 | 18 | 16 | 25 | 3.9 | 311.1 | -2.0 | 72.8 | 992.2 |
| 03/11/2022 | 12:30:00 - 12:45:00 | 39 | 23 | 16 | 14 | 22 | 5.8 | 306.0 | -1.9 | 64.3 | 992.0 |
| 03/11/2022 | 12:45:00 - 13:00:00 | 41 | 27 | 19 | 16 | 26 | 3.2 | 314.5 | -1.6 | 67.2 | 992.1 |
| 03/11/2022 | 13:00:00 - 13:15:00 | 42 | 28 | 22 | 19 | 31 | 4.1 | 304.0 | -1.8 | 65.8 | 992.2 |
| 03/11/2022 | 13:15:00 - 13:30:00 | 44 | 32 | 25 | 23 | 35 | 3.3 | 286.3 | -1.8 | 64.8 | 992.1 |
| 03/11/2022 | 13:30:00 - 13:45:00 | 42 | 29 | 23 | 20 | 31 | 2.4 | 294.0 | -1.2 | 62.5 | 992.0 |
| 03/11/2022 | 13:45:00 - 14:00:00 | 40 | 21 | 18 | 16 | 25 | 3.2 | 282.7 | -1.3 | 59.4 | 991.9 |
| 03/11/2022 | 14:00:00 - 14:15:00 | 39 | 19 | 17 | 14 | 23 | 3.8 | 296.2 | -1.3 | 58.7 | 991.8 |
| 03/11/2022 | 14:15:00 - 14:30:00 | 39 | 18 | 16 | 14 | 22 | 3.5 | 292.1 | -1.0 | 58.4 | 991.6 |
| 03/11/2022 | 14:30:00 - 14:45:00 | 39 | 21 | 16 | 14 | 23 | 3.4 | 296.1 | -1.1 | 60.3 | 991.5 |
| 03/11/2022 | 14:45:00 - 15:00:00 | 40 | 21 | 18 | 15 | 23 | 4.3 | 306.9 | -1.5 | 63.0 | 991.3 |
| 03/11/2022 | 15:00:00 - 15:15:00 | 40 | 24 | 19 | 16 | 24 | 5.2 | 304.2 | -1.7 | 66.1 | 991.1 |
| 03/11/2022 | 15:15:00 - 15:30:00 | 40 | 23 | 19 | 16 | 24 | 3.9 | 304.9 | -1.6 | 66.6 | 990.9 |
| 03/11/2022 | 15:30:00 - 15:45:00 | 40 | 27 | 20 | 17 | 23 | 4.4 | 304.1 | -1.6 | 67.3 | 991.1 |
| 03/11/2022 | 15:45:00 - 16:00:00 | 41 | 25 | 21 | 18 | 24 | 5.7 | 314.2 | -1.8 | 67.1 | 991.1 |
| 03/11/2022 | 16:00:00 - 16:15:00 | 41 | 24 | 20 | 17 | 23 | 4.3 | 295.2 | -1.8 | 66.4 | 991.3 |
| 03/11/2022 | 16:15:00 - 16:30:00 | 41 | 24 | 21 | 18 | 23 | 5.3 | 301.1 | -1.9 | 66.9 | 991.3 |
| 03/11/2022 | 16:30:00 - 16:45:00 | 41 | 23 | 20 | 17 | 22 | 5.6 | 298.5 | -2.0 | 66.1 | 991.4 |
| 03/11/2022 | 16:45:00 - 17:00:00 | 40 | 19 | 18 | 15 | 19 | 5.9 | 306.8 | -2.1 | 63.7 | 991.5 |
| 03/11/2022 | 17:00:00 - 17:15:00 | 40 | 20 | 19 | 16 | 21 | 6.4 | 302.9 | -2.4 | 63.5 | 991.7 |
| 03/11/2022 | 17:15:00 - 17:30:00 | 40 | 21 | 20 | 17 | 21 | 5.2 | 303.9 | -2.6 | 66.1 | 991.9 |
| 03/11/2022 | 17:30:00 - 17:45:00 | 40 | 22 | 20 | 17 | 21 | 4.4 | 306.3 | -2.7 | 67.0 | 991.9 |
| 03/11/2022 | 17:45:00 - 18:00:00 | 40 | 19 | 18 | 15 | 18 | 5.6 | 305.6 | -3.0 | 65.9 | 991.9 |
| 03/11/2022 | 18:00:00 - 18:15:00 | 38 | 17 | 15 | 13 | 14 | 5.0 | 301.3 | -3.1 | 64.9 | 992.0 |
| 03/11/2022 | 18:15:00 - 18:30:00 | 38 | 15 | 14 | 11 | 13 | 5.8 | 309.6 | -3.2 | 64.0 | 992.2 |
| 03/11/2022 | 18:30:00 - 18:45:00 | 38 | 15 | 14 | 12 | 13 | 3.2 | 314.0 | -3.3 | 66.6 | 992.2 |
| 03/11/2022 | 18:45:00 - 19:00:00 | 38 | 14 | 14 | 11 | 12 | 4.1 | 309.8 | -3.4 | 65.2 | 992.2 |
| 03/11/2022 | 19:00:00 - 19:15:00 | 38 | 14 | 13 | 11 | 11 | 4.7 | 303.5 | -3.6 | 65.2 | 992.0 |
| 03/11/2022 | 19:15:00 - 19:30:00 | 38 | 14 | 13 | 11 | 12 | 4.0 | 311.2 | -3.7 | 66.4 | 991.9 |
| 03/11/2022 | 19:30:00 - 19:45:00 | 38 | 15 | 14 | 11 | 13 | 4.5 | 320.9 | -3.8 | 66.6 | 991.9 |
| 03/11/2022 | 19:45:00 - 20:00:00 | 38 | 16 | 14 | 12 | 14 | 4.9 | 308.1 | -3.8 | 65.6 | 992.6 |
| 03/11/2022 | 20:00:00 - 20:15:00 | 38 | 15 | 14 | 11 | 14 | 4.7 | 320.8 | -4.0 | 63.8 | 992.7 |
| 03/11/2022 | 20:15:00 - 20:30:00 | 38 | 14 | 14 | 11 | 12 | 4.7 | 328.4 | -4.3 | 66.4 | 992.8 |
| 03/11/2022 | 20:30:00 - 20:45:00 | 38 | 12 | 12 | 9 | 10 | 4.8 | 323.9 | -4.7 | 64.4 | 992.9 |
| 03/11/2022 | 20:45:00 - 21:00:00 | 37 | 12 | 12 | 9 | 8 | 5.6 | 330.8 | -4.9 | 61.1 | 993.1 |
| 03/11/2022 | 21:00:00 - 21:15:00 | 38 | 12 | 12 | 9 | 9 | 6.2 | 332.2 | -5.3 | 61.7 | 993.3 |
| 03/11/2022 | 21:15:00 - 21:30:00 | 38 | 11 | 11 | 8 | 9 | 5.7 | 333.3 | -5.7 | 62.3 | 993.4 |
| 03/11/2022 | 21:30:00 - 21:45:00 | 37 | 12 | 11 | 8 | 8 | 5.5 | 335.0 | -6.1 | 63.0 | 993.5 |
| 03/11/2022 | 21:45:00 - 22:00:00 | 38 | 11 | 12 | 9 | 8 | 5.9 | 332.4 | -6.5 | 63.7 | 993.6 |
| 03/11/2022 | 22:00:00 - 22:15:00 | 38 | 12 | 12 | 9 | 9 | 5.7 | 332.1 | -6.9 | 63.3 | 993.5 |
| 03/11/2022 | 22:15:00 - 22:30:00 | 38 | 13 | 12 | 9 | 11 | 5.3 | 332.2 | -7.3 | 65.6 | 993.5 |
| 03/11/2022 | 22:30:00 - 22:45:00 | 38 | 13 | 12 | 9 | 9 | 5.3 | 338.0 | -7.7 | 67.2 | 993.5 |
| 03/11/2022 | 22:45:00 - 23:00:00 | 38 | 14 | 13 | 10 | 9 | 5.8 | 335.4 | -8.0 | 66.9 | 993.4 |
| 03/11/2022 | 23:00:00 - 23:15:00 | 38 | 15 | 13 | 9 | 10 | 6.1 | 331.3 | -8.4 | 63.3 | 993.3 |
| 03/11/2022 | 23:15:00 - 23:30:00 | 39 | 16 | 12 | 9 | 11 | 6.5 | 325.5 | -8.7 | 63.6 | 993.5 |
| 03/11/2022 | 23:30:00 - 23:45:00 | 39 | 16 | 13 | 10 | 10 | 6.8 | 322.8 | -9.0 | 64.1 | 993.6 |
| 03/12/2022 | 23:45:00 - 00:00:00 | 39 | 16 | 13 | 10 | 11 | 6.9 | 323.9 | -9.2 | 65.1 | 993.5 |
| 03/12/2022 | 00:00:00 - 00:15:00 | 39 | 17 | 14 | 10 | 12 | 6.2 | 328.9 | -9.3 | 66.0 | 993.6 |
| 03/12/2022 | 00:15:00 - 00:30:00 | 39 | 17 | 14 | 10 | 12 | 6.1 | 330.3 | -9.4 | 66.9 | 993.8 |
| 03/12/2022 | 00:30:00 - 00:45:00 | 39 | 17 | 14 | 10 | 12 | 6.2 | 331.7 | -9.5 | 66.7 | 994.0 |
| 03/12/2022 | 00:45:00 - 01:00:00 | 39 | 17 | 14 | 11 | 12 | 5.7 | 337.9 | -9.6 | 65.8 | 994.2 |
| 03/12/2022 | 01:00:00 - 01:15:00 | 40 | 18 | 14 | 10 | 11 | 4.8 | 336.1 | -9.7 | 66.6 | 994.2 |
| 03/12/2022 | 01:15:00 - 01:30:00 | 39 | 18 | 14 | 10 | 12 | 5.4 | 332.9 | -9.9 | 67.1 | 994.3 |
| 03/12/2022 | 01:30:00 - 01:45:00 | 39 | 18 | 14 | 11 | 12 | 5.1 | 329.0 | -10.0 | 67.4 | 994.4 |
| 03/12/2022 | 01:45:00 - 02:00:00 | 40 | 19 | 14 | 10 | 12 | 5.5 | 330.7 | -10.1 | 67.7 | 994.5 |
| 03/12/2022 | 02:00:00 - 02:15:00 | 39 | 18 | 14 | 11 | 13 | 6.1 | 326.6 | -10.2 | 68.0 | 994.4 |
| 03/12/2022 | 02:15:00 - 02:30:00 | 40 | 19 | 14 | 11 | 13 | 6.0 | 323.6 | -10.3 | 68.6 | 994.3 |
| 03/12/2022 | 02:30:00 - 02:45:00 | 40 | 18 | 15 | 11 | 13 | 5.2 | 329.2 | -10.4 | 69.2 | 994.2 |
| 03/12/2022 | 02:45:00 - 03:00:00 | 40 | 19 | 14 | 11 | 13 | 6.0 | 322.4 | -10.6 | 70.6 | 994.2 |
| 03/12/2022 | 03:00:00 - 03:15:00 | 40 | 18 | 14 | 11 | 12 | 5.9 | 326.2 | -10.7 | 70.5 | 994.2 |
| 03/12/2022 | 03:15:00 - 03:30:00 | 40 | 19 | 14 | 11 | 12 | 6.0 | 326.4 | -10.8 | 70.6 | 994.2 |
| 03/12/2022 | 03:30:00 - 03:45:00 | 40 | 19 | 14 | 11 | 12 | 5.7 | 331.7 | -10.9 | 70.9 | 994.3 |
| 03/12/2022 | 03:45:00 - 04:00:00 | 40 | 20 | 14 | 11 | 12 | 5.7 | 321.3 | -11.1 | 71.9 | 994.4 |
| 03/12/2022 | 04:00:00 - 04:15:00 | 40 | 19 | 14 | 11 | 12 | 5.7 | 324.9 | -11.2 | 72.7 | 994.5 |
| 03/12/2022 | 04:15:00 - 04:30:00 | 40 | 19 | 14 | 11 | 11 | 6.1 | 326.3 | -11.3 | 72.9 | 994.7 |
| 03/12/2022 | 04:30:00 - 04:45:00 | 40 | 18 | 14 | 11 | 11 | 5.9 | 328.9 | -11.5 | 73.1 | 994.8 |
| 03/12/2022 | 04:45:00 - 05:00:00 | 40 | 18 | 14 | 11 | 11 | 6.0 | 320.2 | -11.6 | 73.4 | 995.0 |
| 03/12/2022 | 05:00:00 - 05:15:00 | 40 | 19 | 14 | 10 | 12 | 5.7 | 317.6 | -11.7 | 73.6 | 995.2 |
| 03/12/2022 | 05:15:00 - 05:30:00 | 40 | 19 | 14 | 10 | 12 | 6.2 | 319.1 | -11.8 | 73.4 | 995.4 |
| 03/12/2022 | 05:30:00 - 05:45:00 | 40 | 18 | 14 | 10 | 12 | 5.6 | 324.3 | -11.9 | 73.3 | 995.5 |
| 03/12/2022 | 05:45:00 - 06:00:00 | 40 | 18 | 14 | 10 | 11 | 4.9 | 326.0 | -12.0 | 72.8 | 995.7 |
| 03/12/2022 | 06:00:00 - 06:15:00 | 40 | 18 | 14 | 10 | 12 | 5.8 | 322.1 | -12.0 | 73.0 | 995.9 |
| 03/12/2022 | 06:15:00 - 06:30:00 | 40 | 18 | 14 | 10 | 11 | 6.0 | 320.2 | -12.1 | 72.7 | 996.2 |
| 03/12/2022 | 06:30:00 - 06:45:00 | 40 | 18 | 13 | 10 | 11 | 6.2 | 312.9 | -11.8 | 70.9 | 996.5 |
| 03/12/2022 | 06:45:00 - 07:00:00 | 39 | 18 | 13 | 9 | 11 | 6.3 | 315.9 | -11.6 | 69.0 | 996.6 |
| 03/12/2022 | 07:00:00 - 07:15:00 | 39 | 18 | 13 | 9 | 10 | 6.4 | 311.8 | -11.6 | 68.5 | 996.7 |
| 03/12/2022 | 07:15:00 - 07:30:00 | 39 | 16 | 13 | 8 | 10 | 6.6 | 329.1 | -11.1 | 68.0 | 996.9 |
| 03/12/2022 | 07:30:00 - 07:45:00 | 39 | 17 | 13 | 9 | 9 | 6.5 | 317.7 | -11.0 | 67.2 | 997.0 |
| 03/12/2022 | 07:45:00 - 08:00:00 | 39 | 16 | 12 | 8 | 9 | 6.7 | 312.8 | -10.7 | 66.0 | 997.1 |
| 03/12/2022 | 08:00:00 - 08:15:00 | 38 | 16 | 12 | 8 | 8 | 6.6 | 312.5 | -10.6 | 65.3 | 997.2 |
| 03/12/2022 | 08:15:00 - 08:30:00 | 38 | 13 | 12 | 7 | 8 | 6.8 | 319.6 | -10.3 | 64.5 | 997.3 |
| 03/12/2022 | 08:30:00 - 08:45:00 | 38 | 14 | 11 | 7 | 8 | 7.0 | 315.5 | -10.2 | 63.8 | 997.2 |
| 03/12/2022 | 08:45:00 - 09:00:00 | 38 | 13 | 11 | 7 | 8 | 5.7 | 316.5 | -10.0 | 63.9 | 997.2 |
| 03/12/2022 | 09:00:00 - 09:15:00 | 37 | 12 | 11 | 7 | 8 | 6.2 | 317.1 | -9.6 | 62.6 | 997.4 |
| 03/12/2022 | 09:15:00 - 09:30:00 | 37 | 12 | 11 | 7 | 9 | 6.8 | 309.9 | -9.4 | 62.2 | 997.5 |
| 03/12/2022 | 09:30:00 - 09:45:00 | 38 | 11 | 13 | 7 | 14 | 6.5 | 312.7 | -9.2 | 61.1 | 997.5 |
| 03/12/2022 | 09:45:00 - 10:00:00 | 37 | 10 | 11 | 6 | 9 | 6.0 | 314.0 | -9.0 | 60.2 | 997.5 |
| 03/12/2022 | 10:00:00 - 10:15:00 | 36 | 11 | 10 | 6 | 9 | 5.9 | 307.1 | -8.8 | 60.3 | 997.5 |
| 03/12/2022 | 10:15:00 - 10:30:00 | 36 | 8 | 10 | 6 | 10 | 5.8 | 311.0 | -8.6 | 60.2 | 997.5 |
| 03/12/2022 | 10:30:00 - 10:45:00 | 36 | 7 | 10 | 6 | 10 | 4.8 | 302.4 | -8.1 | 58.5 | 997.7 |
| 03/12/2022 | 10:45:00 - 11:00:00 | 36 | 6 | 10 | 6 | 9 | 4.9 | 307.7 | -7.7 | 57.0 | 997.8 |
| 03/12/2022 | 11:00:00 - 11:15:00 | 35 | 6 | 9 | 6 | 10 | 5.8 | 307.4 | -7.7 | 55.7 | 997.7 |
| 03/12/2022 | 11:15:00 - 11:30:00 | 36 | 6 | 10 | 6 | 10 | 6.0 | 321.9 | -7.4 | 54.3 | 997.8 |
| 03/12/2022 | 11:30:00 - 11:45:00 | 36 | 8 | 10 | 6 | 10 | 5.4 | 310.6 | -7.4 | 57.9 | 997.6 |
| 03/12/2022 | 11:45:00 - 12:00:00 | 36 | 7 | 9 | 6 | 10 | 4.3 | 297.7 | -6.7 | 54.8 | 997.5 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 03/12/2022 | 12:00:00 - 12:15:00 | 35 | 6 | 9 | 6 | 9 | 5.6 | 299.3 | -6.9 | 53.4 | 997.4 |
| 03/12/2022 | 12:15:00 - 12:30:00 | 36 | 6 | 9 | 6 | 10 | 5.3 | 304.2 | -6.8 | 53.0 | 997.2 |
| 03/12/2022 | 12:30:00 - 12:45:00 | 36 | 6 | 9 | 6 | 11 | 4.8 | 297.6 | -6.5 | 53.9 | 997.0 |
| 03/12/2022 | 12:45:00 - 13:00:00 | 35 | 6 | 9 | 6 | 10 | 4.7 | 298.3 | -6.1 | 53.5 | 996.9 |
| 03/12/2022 | 13:00:00 - 13:15:00 | 36 | 7 | 9 | 6 | 11 | 5.1 | 287.6 | -6.7 | 52.4 | 996.8 |
| 03/12/2022 | 13:15:00 - 13:30:00 | 36 | 7 | 9 | 6 | 11 | 6.0 | 303.6 | -6.5 | 53.3 | 996.6 |
| 03/12/2022 | 13:30:00 - 13:45:00 | 35 | 6 | 9 | 6 | 11 | 7.4 | 301.2 | -6.5 | 52.5 | 996.6 |
| 03/12/2022 | 13:45:00 - 14:00:00 | 36 | 6 | 9 | 6 | 11 | 5.4 | 307.9 | -6.1 | 52.2 | 996.6 |
| 03/12/2022 | 14:00:00 - 14:15:00 | 36 | 6 | 10 | 7 | 12 | 4.4 | 305.4 | -5.7 | 52.8 | 996.5 |
| 03/12/2022 | 14:15:00 - 14:30:00 | 36 | 7 | 9 | 6 | 11 | 5.3 | 312.1 | -5.7 | 53.1 | 996.5 |
| 03/12/2022 | 14:30:00 - 14:45:00 | 36 | 6 | 10 | 6 | 12 | 4.5 | 301.0 | -5.8 | 52.3 | 996.5 |
| 03/12/2022 | 14:45:00 - 15:00:00 | 36 | 9 | 9 | 6 | 11 | 4.9 | 293.8 | -5.7 | 51.6 | 996.5 |
| 03/12/2022 | 15:00:00 - 15:15:00 | 36 | 9 | 10 | 7 | 11 | 4.8 | 303.8 | -5.3 | 53.6 | 996.6 |
| 03/12/2022 | 15:15:00 - 15:30:00 | 36 | 8 | 10 | 7 | 11 | 5.9 | 296.5 | -5.4 | 54.1 | 996.6 |
| 03/12/2022 | 15:30:00 - 15:45:00 | 36 | 9 | 10 | 7 | 10 | 5.1 | 301.4 | -5.7 | 54.2 | 996.7 |
| 03/12/2022 | 15:45:00 - 16:00:00 | 36 | 8 | 10 | 7 | 9 | 5.1 | 295.1 | -5.9 | 55.4 | 996.7 |
| 03/12/2022 | 16:00:00 - 16:15:00 | 35 | 9 | 10 | 6 | 8 | 4.0 | 290.5 | -5.9 | 55.7 | 996.6 |
| 03/12/2022 | 16:15:00 - 16:30:00 | 36 | 10 | 10 | 6 | 7 | 4.3 | 310.7 | -5.7 | 55.2 | 996.4 |
| 03/12/2022 | 16:30:00 - 16:45:00 | 36 | 11 | 9 | 6 | 6 | 3.9 | 302.8 | -6.0 | 55.8 | 996.5 |
| 03/12/2022 | 16:45:00 - 17:00:00 | 36 | 13 | 9 | 6 | 6 | 5.5 | 301.1 | -6.0 | 56.4 | 996.6 |
| 03/12/2022 | 17:00:00 - 17:15:00 | 36 | 11 | 9 | 6 | 6 | 4.2 | 296.4 | -6.1 | 56.7 | 996.5 |
| 03/12/2022 | 17:15:00 - 17:30:00 | 37 | 12 | 10 | 7 | 7 | 3.4 | 288.2 | -6.3 | 57.9 | 996.4 |
| 03/12/2022 | 17:30:00 - 17:45:00 | 37 | 14 | 10 | 6 | 7 | 3.3 | 305.0 | -6.5 | 58.2 | 996.3 |
| 03/12/2022 | 17:45:00 - 18:00:00 | 37 | 17 | 11 | 7 | 8 | 3.4 | 295.7 | -6.8 | 59.1 | 996.2 |
| 03/12/2022 | 18:00:00 - 18:15:00 | 38 | 15 | 12 | 9 | 10 | 2.7 | 293.8 | -6.9 | 59.8 | 996.1 |
| 03/12/2022 | 18:15:00 - 18:30:00 | 38 | 12 | 11 | 8 | 9 | 1.8 | 280.3 | -7.0 | 61.2 | 996.1 |
| 03/12/2022 | 18:30:00 - 18:45:00 | 37 | 14 | 11 | 8 | 8 | 1.9 | 292.9 | -7.1 | 61.6 | 996.1 |
| 03/12/2022 | 18:45:00 - 19:00:00 | 38 | 13 | 11 | 8 | 9 | 1.9 | 290.8 | -7.2 | 62.7 | 996.2 |
| 03/12/2022 | 19:00:00 - 19:15:00 | 38 | 13 | 11 | 8 | 9 | 1.9 | 280.3 | -7.2 | 63.8 | 996.2 |
| 03/12/2022 | 19:15:00 - 19:30:00 | 38 | 15 | 11 | 9 | 9 | 1.6 | 290.6 | -7.3 | 65.2 | 996.1 |
| 03/12/2022 | 19:30:00 - 19:45:00 | 38 | 13 | 11 | 8 | 10 | 1.1 | 272.2 | -7.4 | 66.3 | 996.1 |
| 03/12/2022 | 19:45:00 - 20:00:00 | 38 | 14 | 12 | 9 | 10 | 1.1 | 275.1 | -7.5 | 67.2 | 996.0 |
| 03/12/2022 | 20:00:00 - 20:15:00 | 38 | 15 | 13 | 10 | 12 | 0.9 | 260.8 | -7.5 | 67.0 | 996.1 |
| 03/12/2022 | 20:15:00 - 20:30:00 | 39 | 16 | 14 | 10 | 13 | 0.9 | 309.3 | -7.6 | 67.9 | 996.1 |
| 03/12/2022 | 20:30:00 - 20:45:00 | 39 | 16 | 14 | 11 | 13 | 1.1 | 237.9 | -7.5 | 67.4 | 996.1 |
| 03/12/2022 | 20:45:00 - 21:00:00 | 39 | 17 | 14 | 11 | 13 | 1.2 | 254.9 | -7.5 | 67.5 | 995.9 |
| 03/12/2022 | 21:00:00 - 21:15:00 | 40 | 19 | 16 | 12 | 16 | 1.1 | 247.4 | -7.6 | 68.9 | 995.9 |
| 03/12/2022 | 21:15:00 - 21:30:00 | 39 | 17 | 14 | 11 | 13 | 1.5 | 231.1 | -7.5 | 69.2 | 995.7 |
| 03/12/2022 | 21:30:00 - 21:45:00 | 38 | 15 | 13 | 10 | 11 | 1.4 | 208.1 | -7.3 | 69.4 | 995.6 |
| 03/12/2022 | 21:45:00 - 22:00:00 | 39 | 16 | 13 | 10 | 12 | 1.3 | 215.3 | -7.3 | 70.7 | 995.5 |
| 03/12/2022 | 22:00:00 - 22:15:00 | 38 | 15 | 13 | 10 | 12 | 1.4 | 212.3 | -7.1 | 71.1 | 995.3 |
| 03/12/2022 | 22:15:00 - 22:30:00 | 38 | 15 | 13 | 10 | 12 | 0.5 | 157.1 | -7.1 | 72.2 | 995.1 |
| 03/12/2022 | 22:30:00 - 22:45:00 | 38 | 15 | 13 | 10 | 12 | 1.3 | 190.4 | -6.9 | 72.2 | 995.1 |
| 03/12/2022 | 22:45:00 - 23:00:00 | 38 | 14 | 13 | 9 | 11 | 1.1 | 186.1 | -6.6 | 71.1 | 995.0 |
| 03/12/2022 | 23:00:00 - 23:15:00 | 38 | 14 | 12 | 9 | 10 | 1.5 | 195.2 | -6.6 | 71.7 | 994.8 |
| 03/12/2022 | 23:15:00 - 23:30:00 | 38 | 14 | 12 | 10 | 10 | 0.9 | 213.0 | -6.6 | 73.5 | 994.5 |
| 03/12/2022 | 23:30:00 - 23:45:00 | 38 | 14 | 13 | 10 | 11 | 0.8 | 205.2 | -6.7 | 75.7 | 994.3 |
| 03/13/2022 | 23:45:00 - 00:00:00 | 39 | 16 | 14 | 11 | 13 | 1.2 | 176.0 | -6.6 | 76.0 | 993.9 |
| 03/13/2022 | 00:00:00 - 00:15:00 | 38 | 15 | 14 | 11 | 12 | 1.4 | 185.4 | -6.6 | 76.2 | 993.7 |
| 03/13/2022 | 00:15:00 - 00:30:00 | 38 | 13 | 13 | 10 | 11 | 1.6 | 194.4 | -6.5 | 76.5 | 993.5 |
| 03/13/2022 | 00:30:00 - 00:45:00 | 38 | 12 | 12 | 9 | 11 | 1.3 | 175.1 | -6.3 | 76.4 | 993.2 |
| 03/13/2022 | 00:45:00 - 01:00:00 | 37 | 12 | 12 | 9 | 10 | 1.2 | 171.6 | -6.2 | 76.3 | 993.0 |
| 03/13/2022 | 01:00:00 - 01:15:00 | 37 | 11 | 12 | 8 | 10 | 1.3 | 171.5 | -6.0 | 75.7 | 992.7 |
| 03/13/2022 | 01:15:00 - 01:30:00 | 37 | 12 | 12 | 9 | 10 | 1.2 | 154.6 | -5.7 | 74.0 | 992.5 |
| 03/13/2022 | 01:30:00 - 01:45:00 | 38 | 13 | 12 | 9 | 10 | 2.0 | 179.0 | -5.5 | 73.0 | 992.1 |
| 03/13/2022 | 01:45:00 - 02:00:00 | 38 | 13 | 13 | 10 | 11 | 1.6 | 180.2 | -5.3 | 72.3 | 991.8 |
| 03/13/2022 | 02:00:00 - 02:15:00 | DST | DST | DST | DST | DST | Offline | DST | DST | DST | DST |
| 03/13/2022 | 02:15:00 - 02:30:00 | DST | DST | DST | DST | DST | Offline | DST | DST | DST | DST |
| 03/13/2022 | 02:30:00 - 02:45:00 | DST | DST | DST | DST | DST | Offline | DST | DST | DST | DST |
| 03/13/2022 | 02:45:00 - 03:00:00 | DST | DST | DST | DST | DST | Offline | DST | DST | DST | DST |
| 03/13/2022 | 03:00:00 - 03:15:00 | 38 | 12 | 12 | 9 | 11 | 1.8 | 181.6 | -3.9 | 68.9 | 989.5 |
| 03/13/2022 | 03:15:00 - 03:30:00 | 37 | 12 | 12 | 9 | 11 | 3.0 | 186.5 | -3.6 | 69.2 | 989.1 |
| 03/13/2022 | 03:30:00 - 03:45:00 | 37 | 11 | 12 | 9 | 11 | 4.4 | 189.5 | -2.8 | 63.8 | 988.8 |
| 03/13/2022 | 03:45:00 - 04:00:00 | 37 | 10 | 12 | 9 | 10 | 5.7 | 187.4 | -2.2 | 60.8 | 988.6 |
| 03/13/2022 | 04:00:00 - 04:15:00 | 37 | 11 | 12 | 9 | 10 | 6.6 | 194.5 | -1.8 | 59.7 | 988.6 |
| 03/13/2022 | 04:15:00 - 04:30:00 | 37 | 11 | 12 | 9 | 10 | 6.4 | 189.4 | -1.5 | 59.0 | 988.4 |
| 03/13/2022 | 04:30:00 - 04:45:00 | 37 | 10 | 11 | 9 | 10 | 6.3 | 191.8 | -1.4 | 59.7 | 988.1 |
| 03/13/2022 | 04:45:00 - 05:00:00 | 37 | 9 | 11 | 8 | 10 | 7.9 | 193.8 | -1.2 | 60.0 | 988.2 |
| 03/13/2022 | 05:00:00 - 05:15:00 | 36 | 9 | 11 | 8 | 11 | 7.4 | 198.1 | -1.1 | 60.0 | 987.8 |
| 03/13/2022 | 05:15:00 - 05:30:00 | 36 | 9 | 11 | 8 | 10 | 7.4 | 195.2 | -1.0 | 60.0 | 988.1 |
| 03/13/2022 | 05:30:00 - 05:45:00 | 36 | 8 | 11 | 8 | 10 | 6.8 | 188.5 | -0.9 | 60.3 | 988.1 |
| 03/13/2022 | 05:45:00 - 06:00:00 | 36 | 7 | 11 | 7 | 10 | 6.3 | 191.8 | -0.8 | 61.2 | 988.1 |
| 03/13/2022 | 06:00:00 - 06:15:00 | 36 | 7 | 11 | 7 | 11 | 5.5 | 184.4 | -0.6 | 61.6 | 988.0 |
| 03/13/2022 | 06:15:00 - 06:30:00 | 36 | 7 | 11 | 7 | 11 | 4.3 | 190.7 | -0.2 | 61.0 | 987.9 |
| 03/13/2022 | 06:30:00 - 06:45:00 | 36 | 7 | 11 | 7 | 10 | 5.0 | 198.7 | -0.1 | 60.8 | 988.0 |
| 03/13/2022 | 06:45:00 - 07:00:00 | 36 | 7 | 11 | 7 | 10 | 5.7 | 198.7 | 0.2 | 60.8 | 988.0 |
| 03/13/2022 | 07:00:00 - 07:15:00 | 36 | 7 | 11 | 7 | 11 | 5.4 | 195.2 | 0.8 | 59.6 | 988.2 |
| 03/13/2022 | 07:15:00 - 07:30:00 | 36 | 8 | 11 | 8 | 11 | 6.8 | 205.8 | 1.6 | 57.6 | 988.4 |
| 03/13/2022 | 07:30:00 - 07:45:00 | 36 | 8 | 12 | 8 | 11 | 5.1 | 192.5 | 2.4 | 55.4 | 988.7 |
| 03/13/2022 | 07:45:00 - 08:00:00 | 36 | 8 | 11 | 8 | 11 | 5.0 | 189.1 | 3.0 | 53.8 | 988.9 |
| 03/13/2022 | 08:00:00 - 08:15:00 | 36 | 8 | 12 | 8 | 13 | 4.7 | 200.2 | 3.5 | 52.7 | 989.1 |
| 03/13/2022 | 08:15:00 - 08:30:00 | 36 | 8 | 11 | 8 | 13 | 4.7 | 202.3 | 3.9 | 52.3 | 989.3 |
| 03/13/2022 | 08:30:00 - 08:45:00 | 36 | 8 | 12 | 8 | 14 | 4.0 | 212.2 | 4.6 | 51.5 | 989.2 |
| 03/13/2022 | 08:45:00 - 09:00:00 | 36 | 8 | 12 | 9 | 15 | 3.4 | 212.0 | 5.4 | 49.8 | 989.2 |
| 03/13/2022 | 09:00:00 - 09:15:00 | 37 | 9 | 12 | 9 | 15 | 5.0 | 214.0 | 5.7 | 49.2 | 989.3 |
| 03/13/2022 | 09:15:00 - 09:30:00 | 37 | 8 | 12 | 9 | 17 | 4.1 | 216.3 | 6.4 | 48.4 | 989.4 |
| 03/13/2022 | 09:30:00 - 09:45:00 | 37 | 10 | 12 | 9 | 17 | 3.8 | 219.2 | 7.3 | 47.3 | 989.5 |
| 03/13/2022 | 09:45:00 - 10:00:00 | 37 | 11 | 12 | 10 | 18 | 3.6 | 218.6 | 7.8 | 46.2 | 989.5 |
| 03/13/2022 | 10:00:00 - 10:15:00 | 38 | 10 | 13 | 10 | 18 | 2.7 | 261.6 | 8.6 | 45.4 | 989.6 |
| 03/13/2022 | 10:15:00 - 10:30:00 | 38 | 12 | 13 | 10 | 19 | 3.3 | 252.7 | 8.7 | 44.8 | 989.7 |
| 03/13/2022 | 10:30:00 - 10:45:00 | 38 | 12 | 13 | 11 | 19 | 4.1 | 258.9 | 8.8 | 45.9 | 989.8 |
| 03/13/2022 | 10:45:00 - 11:00:00 | 38 | 12 | 13 | 11 | 20 | 6.0 | 282.2 | 9.2 | 46.2 | 989.9 |
| 03/13/2022 | 11:00:00 - 11:15:00 | 38 | 13 | 13 | 12 | 21 | 5.3 | 272.4 | 9.1 | 47.0 | 990.1 |
| 03/13/2022 | 11:15:00 - 11:30:00 | 39 | 14 | 13 | 12 | 21 | 5.3 | 279.6 | 9.6 | 47.5 | 990.2 |
| 03/13/2022 | 11:30:00 - 11:45:00 | 38 | 13 | 13 | 12 | 22 | 6.0 | 277.0 | 9.5 | 48.4 | 990.3 |
| 03/13/2022 | 11:45:00 - 12:00:00 | 39 | 14 | 13 | 12 | 22 | 4.3 | 257.0 | 9.9 | 48.9 | 990.3 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 03/13/2022 | 12:00:00 - 12:15:00 | 39 | 13 | 13 | 12 | 22 | 4.7 | 276.9 | 10.0 | 49.8 | 990.3 |
| 03/13/2022 | 12:15:00 - 12:30:00 | 38 | 15 | 12 | 12 | 22 | 4.2 | 278.8 | 10.5 | 49.4 | 990.3 |
| 03/13/2022 | 12:30:00 - 12:45:00 | 39 | 15 | 12 | 12 | 22 | 4.0 | 281.4 | 10.7 | 49.5 | 990.3 |
| 03/13/2022 | 12:45:00 - 13:00:00 | 39 | 14 | 12 | 12 | 23 | 5.3 | 280.2 | 10.8 | 50.1 | 990.4 |
| 03/13/2022 | 13:00:00 - 13:15:00 | 38 | 13 | 12 | 12 | 22 | 5.1 | 288.6 | 11.1 | 51.1 | 990.3 |
| 03/13/2022 | 13:15:00 - 13:30:00 | 38 | 12 | 12 | 12 | 22 | 3.4 | 264.5 | 11.6 | 50.9 | 990.3 |
| 03/13/2022 | 13:30:00 - 13:45:00 | 38 | 12 | 12 | 12 | 22 | 2.9 | 265.6 | 12.2 | 49.7 | 990.4 |
| 03/13/2022 | 13:45:00 - 14:00:00 | 38 | 13 | 11 | 12 | 22 | 2.8 | 263.1 | 12.3 | 49.9 | 990.5 |
| 03/13/2022 | 14:00:00 - 14:15:00 | 38 | 13 | 11 | 12 | 21 | 3.2 | 268.0 | 12.5 | 50.1 | 990.5 |
| 03/13/2022 | 14:15:00 - 14:30:00 | 38 | 11 | 11 | 11 | 20 | 4.2 | 282.8 | 12.6 | 50.1 | 990.6 |
| 03/13/2022 | 14:30:00 - 14:45:00 | 38 | 12 | 11 | 11 | 21 | 3.4 | 279.2 | 12.8 | 50.0 | 990.6 |
| 03/13/2022 | 14:45:00 - 15:00:00 | 38 | 10 | 10 | 11 | 19 | 3.5 | 253.8 | 13.1 | 48.6 | 990.6 |
| 03/13/2022 | 15:00:00 - 15:15:00 | 38 | 9 | 9 | 10 | 18 | 3.6 | 275.6 | 13.1 | 47.8 | 990.7 |
| 03/13/2022 | 15:15:00 - 15:30:00 | 37 | 9 | 9 | 10 | 17 | 2.4 | 247.3 | 13.5 | 46.0 | 990.7 |
| 03/13/2022 | 15:30:00 - 15:45:00 | 37 | 8 | 8 | 9 | 16 | 3.1 | 231.4 | 13.6 | 46.2 | 990.7 |
| 03/13/2022 | 15:45:00 - 16:00:00 | 37 | 8 | 8 | 9 | 16 | 3.2 | 228.2 | 13.4 | 46.1 | 990.7 |
| 03/13/2022 | 16:00:00 - 16:15:00 | 37 | 6 | 7 | 8 | 16 | 2.4 | 232.5 | 13.4 | 44.7 | 990.9 |
| 03/13/2022 | 16:15:00 - 16:30:00 | 36 | 4 | 7 | 8 | 14 | 2.4 | 234.0 | 13.4 | 44.9 | 991.0 |
| 03/13/2022 | 16:30:00 - 16:45:00 | 36 | 5 | 6 | 7 | 15 | 3.8 | 214.0 | 13.2 | 45.4 | 991.1 |
| 03/13/2022 | 16:45:00 - 17:00:00 | 36 | 4 | 7 | 7 | 15 | 3.5 | 212.2 | 13.1 | 46.2 | 991.1 |
| 03/13/2022 | 17:00:00 - 17:15:00 | 36 | 3 | 6 | 7 | 14 | 3.7 | 208.1 | 12.8 | 47.5 | 991.3 |
| 03/13/2022 | 17:15:00 - 17:30:00 | 36 | 2 | 6 | 7 | 14 | 3.3 | 212.5 | 12.4 | 48.9 | 991.5 |
| 03/13/2022 | 17:30:00 - 17:45:00 | 36 | 5 | 7 | 8 | 15 | 2.2 | 211.7 | 12.0 | 51.9 | 991.6 |
| 03/13/2022 | 17:45:00 - 18:00:00 | 37 | 7 | 9 | 9 | 18 | 1.2 | 219.9 | 11.1 | 54.8 | 991.8 |
| 03/13/2022 | 18:00:00 - 18:15:00 | 37 | 8 | 10 | 10 | 19 | 0.5 | 250.3 | 10.4 | 57.2 | 991.9 |
| 03/13/2022 | 18:15:00 - 18:30:00 | 37 | 9 | 11 | 10 | 20 | 0.1 | 139.1 | 9.2 | 60.7 | 991.9 |
| 03/13/2022 | 18:30:00 - 18:45:00 | 37 | 10 | 11 | 11 | 20 | 0.4 | 91.8 | 8.7 | 63.1 | 992.0 |
| 03/13/2022 | 18:45:00 - 19:00:00 | 38 | 12 | 12 | 12 | 22 | 0.5 | 45.6 | 7.9 | 65.9 | 992.2 |
| 03/13/2022 | 19:00:00 - 19:15:00 | 38 | 13 | 13 | 13 | 23 | 0.7 | 97.8 | 7.4 | 68.0 | 992.4 |
| 03/13/2022 | 19:15:00 - 19:30:00 | 39 | 15 | 14 | 14 | 24 | 1.1 | 79.1 | 7.0 | 69.2 | 992.5 |
| 03/13/2022 | 19:30:00 - 19:45:00 | 39 | 16 | 16 | 15 | 25 | 1.5 | 131.0 | 7.0 | 69.3 | 992.7 |
| 03/13/2022 | 19:45:00 - 20:00:00 | 39 | 21 | 17 | 22 | 26 | 2.2 | 126.1 | 8.3 | 64.0 | 993.0 |
| 03/13/2022 | 20:00:00 - 20:15:00 | 40 | 25 | 19 | 36 | 35 | 2.2 | 149.4 | 8.2 | 62.0 | 993.1 |
| 03/13/2022 | 20:15:00 - 20:30:00 | 41 | 30 | 21 | 31 | 35 | 1.8 | 157.4 | 8.0 | 61.0 | 993.4 |
| 03/13/2022 | 20:30:00 - 20:45:00 | 41 | 24 | 21 | 21 | 31 | 1.2 | 163.0 | 7.3 | 62.9 | 993.4 |
| 03/13/2022 | 20:45:00 - 21:00:00 | 38 | 17 | 15 | 13 | 22 | 1.9 | 164.9 | 7.1 | 64.0 | 993.4 |
| 03/13/2022 | 21:00:00 - 21:15:00 | 38 | 13 | 14 | 13 | 22 | 2.6 | 175.4 | 6.7 | 65.3 | 993.5 |
| 03/13/2022 | 21:15:00 - 21:30:00 | 37 | 14 | 14 | 13 | 22 | 2.1 | 171.7 | 6.2 | 66.9 | 993.5 |
| 03/13/2022 | 21:30:00 - 21:45:00 | 38 | 15 | 15 | 13 | 22 | 1.6 | 145.5 | 6.1 | 67.4 | 993.5 |
| 03/13/2022 | 21:45:00 - 22:00:00 | 37 | 13 | 14 | 12 | 21 | 2.3 | 145.3 | 6.0 | 67.3 | 993.5 |
| 03/13/2022 | 22:00:00 - 22:15:00 | 37 | 11 | 13 | 11 | 20 | 2.6 | 135.6 | 5.9 | 67.5 | 993.5 |
| 03/13/2022 | 22:15:00 - 22:30:00 | 37 | 12 | 13 | 11 | 20 | 2.4 | 139.1 | 6.0 | 67.7 | 993.4 |
| 03/13/2022 | 22:30:00 - 22:45:00 | 37 | 12 | 13 | 11 | 20 | 2.7 | 136.9 | 6.1 | 67.8 | 993.3 |
| 03/13/2022 | 22:45:00 - 23:00:00 | 37 | 12 | 13 | 12 | 20 | 2.4 | 136.0 | 6.1 | 68.0 | 993.3 |
| 03/13/2022 | 23:00:00 - 23:15:00 | 37 | 11 | 13 | 11 | 20 | 3.1 | 136.3 | 6.0 | 68.2 | 993.3 |
| 03/13/2022 | 23:15:00 - 23:30:00 | 36 | 11 | 13 | 10 | 19 | 3.1 | 143.4 | 5.6 | 69.7 | 993.2 |
| 03/13/2022 | 23:30:00 - 23:45:00 | 36 | 10 | 12 | 10 | 18 | 2.9 | 156.7 | 5.1 | 71.7 | 993.3 |
| 03/14/2022 | 23:45:00 - 00:00:00 | 36 | 10 | 12 | 10 | 19 | 2.7 | 130.8 | 4.8 | 73.1 | 993.4 |
| 03/14/2022 | 00:00:00 - 00:15:00 | 36 | 10 | 12 | 10 | 18 | 2.8 | 141.5 | 4.3 | 74.8 | 993.5 |
| 03/14/2022 | 00:15:00 - 00:30:00 | 36 | 10 | 12 | 10 | 18 | 2.2 | 152.1 | 4.0 | 76.5 | 993.4 |
| 03/14/2022 | 00:30:00 - 00:45:00 | 36 | 10 | 12 | 10 | 18 | 2.7 | 158.1 | 3.8 | 77.5 | 993.5 |
| 03/14/2022 | 00:45:00 - 01:00:00 | 36 | 10 | 13 | 11 | 18 | 3.3 | 164.4 | 3.6 | 78.7 | 993.5 |
| 03/14/2022 | 01:00:00 - 01:15:00 | 36 | 10 | 13 | 10 | 18 | 2.5 | 150.6 | 3.8 | 79.0 | 993.6 |
| 03/14/2022 | 01:15:00 - 01:30:00 | 36 | 10 | 13 | 10 | 19 | 3.1 | 162.6 | 4.0 | 78.8 | 993.6 |
| 03/14/2022 | 01:30:00 - 01:45:00 | 36 | 10 | 13 | 10 | 19 | 2.7 | 153.1 | 4.2 | 77.6 | 993.7 |
| 03/14/2022 | 01:45:00 - 02:00:00 | 36 | 10 | 13 | 11 | 20 | 2.7 | 163.0 | 4.3 | 77.6 | 993.8 |
| 03/14/2022 | 02:00:00 - 02:15:00 | 36 | 11 | 13 | 11 | 19 | 2.3 | 155.5 | 4.4 | 77.0 | 993.8 |
| 03/14/2022 | 02:15:00 - 02:30:00 | 37 | 11 | 13 | 11 | 19 | 2.3 | 147.4 | 4.4 | 77.0 | 993.6 |
| 03/14/2022 | 02:30:00 - 02:45:00 | 37 | 12 | 13 | 11 | 19 | 2.3 | 149.0 | 4.2 | 77.0 | 993.6 |
| 03/14/2022 | 02:45:00 - 03:00:00 | 37 | 11 | 14 | 12 | 19 | 2.4 | 143.2 | 4.0 | 77.5 | 993.6 |
| 03/14/2022 | 03:00:00 - 03:15:00 | 37 | 11 | 14 | 12 | 19 | 2.7 | 151.6 | 3.8 | 78.0 | 993.6 |
| 03/14/2022 | 03:15:00 - 03:30:00 | 37 | 11 | 14 | 11 | 19 | 2.6 | 139.8 | 3.7 | 78.4 | 993.7 |
| 03/14/2022 | 03:30:00 - 03:45:00 | 36 | 11 | 13 | 11 | 19 | 2.5 | 127.3 | 3.5 | 79.2 | 993.8 |
| 03/14/2022 | 03:45:00 - 04:00:00 | 36 | 10 | 14 | 11 | 19 | 2.5 | 137.3 | 3.3 | 80.1 | 993.9 |
| 03/14/2022 | 04:00:00 - 04:15:00 | 36 | 11 | 13 | 11 | 19 | 2.6 | 139.7 | 3.7 | 79.4 | 994.1 |
| 03/14/2022 | 04:15:00 - 04:30:00 | 36 | 11 | 13 | 11 | 19 | 2.5 | 132.4 | 3.4 | 79.9 | 994.2 |
| 03/14/2022 | 04:30:00 - 04:45:00 | 36 | 12 | 13 | 11 | 19 | 2.6 | 162.2 | 2.9 | 81.8 | 994.3 |
| 03/14/2022 | 04:45:00 - 05:00:00 | 36 | 12 | 13 | 11 | 19 | 2.7 | 157.1 | 2.9 | 82.5 | 994.3 |
| 03/14/2022 | 05:00:00 - 05:15:00 | 36 | 11 | 13 | 10 | 18 | 2.5 | 132.5 | 2.5 | 83.6 | 994.3 |
| 03/14/2022 | 05:15:00 - 05:30:00 | 36 | 10 | 13 | 11 | 18 | 2.8 | 138.3 | 2.3 | 84.4 | 994.2 |
| 03/14/2022 | 05:30:00 - 05:45:00 | 36 | 10 | 13 | 10 | 18 | 2.5 | 136.5 | 2.0 | 85.4 | 994.3 |
| 03/14/2022 | 05:45:00 - 06:00:00 | 36 | 10 | 13 | 11 | 19 | 2.2 | 133.2 | 1.9 | 86.0 | 994.4 |
| 03/14/2022 | 06:00:00 - 06:15:00 | 36 | 10 | 13 | 11 | 18 | 2.7 | 152.8 | 1.9 | 86.0 | 994.5 |
| 03/14/2022 | 06:15:00 - 06:30:00 | 36 | 9 | 13 | 11 | 18 | 3.0 | 151.2 | 2.2 | 85.9 | 994.5 |
| 03/14/2022 | 06:30:00 - 06:45:00 | 36 | 10 | 13 | 11 | 19 | 2.7 | 141.7 | 2.8 | 83.7 | 994.7 |
| 03/14/2022 | 06:45:00 - 07:00:00 | 36 | 10 | 13 | 11 | 19 | 2.4 | 137.6 | 3.3 | 81.8 | 994.8 |
| 03/14/2022 | 07:00:00 - 07:15:00 | 36 | 11 | 14 | 16 | 19 | 2.6 | 141.6 | 3.7 | 80.0 | 994.9 |
| 03/14/2022 | 07:15:00 - 07:30:00 | 36 | 11 | 14 | 13 | 19 | 2.5 | 155.4 | 4.5 | 77.7 | 995.0 |
| 03/14/2022 | 07:30:00 - 07:45:00 | 36 | 10 | 14 | 12 | 19 | 2.5 | 166.1 | 5.4 | 74.8 | 995.1 |
| 03/14/2022 | 07:45:00 - 08:00:00 | 36 | 10 | 13 | 12 | 19 | 3.0 | 173.6 | 6.0 | 72.6 | 995.2 |
| 03/14/2022 | 08:00:00 - 08:15:00 | 36 | 9 | 12 | 11 | 18 | 3.3 | 175.6 | 6.5 | 70.8 | 995.2 |
| 03/14/2022 | 08:15:00 - 08:30:00 | 36 | 9 | 12 | 11 | 17 | 2.8 | 174.3 | 7.3 | 68.4 | 995.2 |
| 03/14/2022 | 08:30:00 - 08:45:00 | 35 | 9 | 11 | 10 | 17 | 2.6 | 180.1 | 8.1 | 65.8 | 995.3 |
| 03/14/2022 | 08:45:00 - 09:00:00 | 35 | 8 | 11 | 9 | 17 | 3.9 | 191.4 | 8.9 | 61.2 | 995.2 |
| 03/14/2022 | 09:00:00 - 09:15:00 | 35 | 7 | 10 | 9 | 16 | 3.6 | 197.8 | 9.9 | 57.2 | 995.2 |
| 03/14/2022 | 09:15:00 - 09:30:00 | 35 | 7 | 9 | 8 | 16 | 4.5 | 194.0 | 10.7 | 53.8 | 995.2 |
| 03/14/2022 | 09:30:00 - 09:45:00 | 35 | 7 | 9 | 8 | 17 | 4.8 | 200.4 | 11.2 | 52.2 | 995.3 |
| 03/14/2022 | 09:45:00 - 10:00:00 | 36 | 7 | 10 | 8 | 17 | 4.5 | 197.3 | 11.8 | 50.8 | 995.3 |
| 03/14/2022 | 10:00:00 - 10:15:00 | 36 | 8 | 9 | 8 | 16 | 4.9 | 200.2 | 12.0 | 50.3 | 995.4 |
| 03/14/2022 | 10:15:00 - 10:30:00 | 35 | 7 | 8 | 8 | 14 | 3.7 | 201.2 | 13.0 | 48.3 | 995.5 |
| 03/14/2022 | 10:30:00 - 10:45:00 | 35 | 6 | 9 | 7 | 13 | 3.9 | 198.1 | 13.5 | 47.1 | 995.5 |
| 03/14/2022 | 10:45:00 - 11:00:00 | 38 | 5 | 8 | 8 | 14 | 5.9 | 206.0 | 13.3 | 47.2 | 995.3 |
| 03/14/2022 | 11:00:00 - 11:15:00 | 35 | 4 | 7 | 9 | 14 | 4.8 | 211.0 | 13.8 | 46.7 | 995.2 |
| 03/14/2022 | 11:15:00 - 11:30:00 | 36 | 5 | 8 | 8 | 12 | 3.3 | 198.3 | 14.7 | 45.5 | 995.0 |
| 03/14/2022 | 11:30:00 - 11:45:00 | 38 | 8 | 10 | 8 | 12 | 3.7 | 205.3 | 15.3 | 43.9 | 994.8 |
| 03/14/2022 | 11:45:00 - 12:00:00 | 36 | 6 | 8 | 8 | 12 | 4.5 | 205.8 | 15.6 | 42.8 | 994.6 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 03/14/2022 | 12:00:00 - 12:15:00 | 36 | 7 | 8 | 8 | 12 | 4.6 | 202.9 | 15.5 | 42.7 | 994.4 |
| 03/14/2022 | 12:15:00 - 12:30:00 | 39 | 10 | 15 | 11 | 16 | 4.8 | 201.6 | 15.8 | 42.0 | 994.4 |
| 03/14/2022 | 12:30:00 - 12:45:00 | 38 | 11 | 12 | 12 | 16 | 5.4 | 205.6 | 15.9 | 40.9 | 994.2 |
| 03/14/2022 | 12:45:00 - 13:00:00 | 37 | 10 | 9 | 10 | 12 | 4.7 | 202.1 | 16.2 | 40.2 | 994.0 |
| 03/14/2022 | 13:00:00 - 13:15:00 | 37 | 9 | 10 | 12 | 10 | 4.4 | 207.0 | 16.4 | 39.1 | 993.8 |
| 03/14/2022 | 13:15:00 - 13:30:00 | 39 | 13 | 14 | 14 | 10 | 5.9 | 209.2 | 16.3 | 38.7 | 993.6 |
| 03/14/2022 | 13:30:00 - 13:45:00 | 37 | 10 | 9 | 10 | 9 | 5.8 | 208.5 | 16.7 | 38.3 | 993.5 |
| 03/14/2022 | 13:45:00 - 14:00:00 | 22 | 9 | 9 | 11 | 7 | 5.4 | 199.7 | 16.9 | 37.6 | 993.3 |
| 03/14/2022 | 14:00:00 - 14:15:00 | 3 | 9 | 9 | 12 | 6 | 5.2 | 206.7 | 17.0 | 36.8 | 992.9 |
| 03/14/2022 | 14:15:00 - 14:30:00 | 4 | 12 | 10 | 12 | 6 | 6.9 | 210.8 | 16.9 | 34.9 | 992.8 |
| 03/14/2022 | 14:30:00 - 14:45:00 | 3 | 10 | 9 | 12 | 5 | 6.7 | 208.4 | 17.1 | 33.7 | 992.8 |
| 03/14/2022 | 14:45:00 - 15:00:00 | 3 | 8 | 8 | 9 | 5 | 6.1 | 202.2 | 17.2 | 32.8 | 992.8 |
| 03/14/2022 | 15:00:00 - 15:15:00 | 3 | 7 | 8 | 10 | 5 | 5.9 | 201.8 | 16.8 | 33.5 | 992.9 |
| 03/14/2022 | 15:15:00 - 15:30:00 | 3 | 8 | 7 | 9 | 4 | 4.6 | 202.1 | 16.5 | 30.7 | 992.9 |
| 03/14/2022 | 15:30:00 - 15:45:00 | 2 | 7 | 7 | 8 | 4 | 5.5 | 205.6 | 16.2 | 32.1 | 992.9 |
| 03/14/2022 | 15:45:00 - 16:00:00 | 2 | 6 | 7 | 8 | 3 | 5.8 | 210.4 | 15.9 | 33.8 | 993.1 |
| 03/14/2022 | 16:00:00 - 16:15:00 | 2 | 6 | 6 | 7 | 3 | 4.5 | 216.8 | 15.9 | 32.8 | 993.3 |
| 03/14/2022 | 16:15:00 - 16:30:00 | 2 | 6 | 6 | 7 | 3 | 4.2 | 218.2 | 16.4 | 31.9 | 993.6 |
| 03/14/2022 | 16:30:00 - 16:45:00 | 2 | 4 | 6 | 7 | 2 | 4.1 | 203.3 | 16.3 | 31.4 | 993.6 |
| 03/14/2022 | 16:45:00 - 17:00:00 | 2 | 5 | 7 | 8 | 4 | 4.4 | 200.8 | 16.1 | 32.3 | 993.7 |
| 03/14/2022 | 17:00:00 - 17:15:00 | 4 | 6 | 11 | 8 | 5 | 3.4 | 200.4 | 15.8 | 32.9 | 993.7 |
| 03/14/2022 | 17:15:00 - 17:30:00 | 2 | 6 | 9 | 8 | 4 | 2.1 | 189.2 | 15.1 | 37.1 | 993.7 |
| 03/14/2022 | 17:30:00 - 17:45:00 | 2 | 7 | 9 | 8 | 6 | 2.7 | 196.8 | 14.6 | 38.8 | 993.9 |
| 03/14/2022 | 17:45:00 - 18:00:00 | 3 | 8 | 10 | 10 | 7 | 1.4 | 171.3 | 14.3 | 39.4 | 994.1 |
| 03/14/2022 | 18:00:00 - 18:15:00 | 3 | 8 | 10 | 10 | 7 | 1.5 | 176.8 | 13.7 | 42.7 | 994.2 |
| 03/14/2022 | 18:15:00 - 18:30:00 | 2 | 6 | 9 | 9 | 6 | 1.6 | 193.0 | 13.1 | 45.0 | 994.3 |
| 03/14/2022 | 18:30:00 - 18:45:00 | 2 | 7 | 9 | 9 | 8 | 2.1 | 192.0 | 13.1 | 44.0 | 994.3 |
| 03/14/2022 | 18:45:00 - 19:00:00 | 2 | 7 | 9 | 10 | 7 | 2.6 | 209.2 | 13.0 | 44.0 | 994.5 |
| 03/14/2022 | 19:00:00 - 19:15:00 | 2 | 8 | 10 | 12 | 10 | 2.5 | 207.7 | 13.1 | 44.0 | 994.7 |
| 03/14/2022 | 19:15:00 - 19:30:00 | 2 | 8 | 10 | 11 | 8 | 2.3 | 205.3 | 13.1 | 44.0 | 994.8 |
| 03/14/2022 | 19:30:00 - 19:45:00 | 3 | 10 | 11 | 12 | 11 | 3.3 | 201.5 | 13.0 | 43.2 | 994.8 |
| 03/14/2022 | 19:45:00 - 20:00:00 | 4 | 12 | 13 | 12 | 11 | 2.2 | 197.8 | 12.7 | 45.2 | 995.0 |
| 03/14/2022 | 20:00:00 - 20:15:00 | 4 | 13 | 13 | 13 | 11 | 2.6 | 187.4 | 12.5 | 45.5 | 995.1 |
| 03/14/2022 | 20:15:00 - 20:30:00 | 3 | 11 | 12 | 12 | 10 | 2.6 | 190.1 | 12.2 | 46.6 | 995.2 |
| 03/14/2022 | 20:30:00 - 20:45:00 | 3 | 12 | 13 | 12 | 11 | 2.3 | 190.3 | 11.8 | 49.2 | 995.3 |
| 03/14/2022 | 20:45:00 - 21:00:00 | 4 | 13 | 13 | 13 | 11 | 2.1 | 181.9 | 11.6 | 52.5 | 995.4 |
| 03/14/2022 | 21:00:00 - 21:15:00 | 3 | 12 | 13 | 12 | 10 | 2.1 | 182.6 | 11.4 | 55.8 | 995.4 |
| 03/14/2022 | 21:15:00 - 21:30:00 | 4 | 13 | 14 | 13 | 12 | 2.6 | 184.2 | 11.1 | 58.4 | 995.5 |
| 03/14/2022 | 21:30:00 - 21:45:00 | 3 | 12 | 12 | 12 | 10 | 3.1 | 196.9 | 10.9 | 61.3 | 995.5 |
| 03/14/2022 | 21:45:00 - 22:00:00 | 3 | 12 | 12 | 12 | 10 | 4.6 | 204.4 | 11.2 | 63.3 | 995.5 |
| 03/14/2022 | 22:00:00 - 22:15:00 | 3 | 12 | 13 | 12 | 10 | 4.6 | 198.4 | 10.9 | 65.3 | 995.5 |
| 03/14/2022 | 22:15:00 - 22:30:00 | 3 | 12 | 13 | 12 | 10 | 4.7 | 200.9 | 10.7 | 67.6 | 995.5 |
| 03/14/2022 | 22:30:00 - 22:45:00 | 4 | 12 | 13 | 12 | 11 | 3.9 | 201.6 | 10.6 | 69.4 | 995.4 |
| 03/14/2022 | 22:45:00 - 23:00:00 | 4 | 12 | 13 | 13 | 11 | 3.3 | 204.9 | 10.4 | 71.1 | 995.5 |
| 03/14/2022 | 23:00:00 - 23:15:00 | 4 | 13 | 14 | 13 | 12 | 4.0 | 211.0 | 10.5 | 72.0 | 995.6 |
| 03/14/2022 | 23:15:00 - 23:30:00 | 4 | 14 | 14 | 14 | 13 | 4.6 | 206.3 | 10.5 | 73.0 | 995.6 |
| 03/14/2022 | 23:30:00 - 23:45:00 | 4 | 15 | 14 | 14 | 13 | 4.1 | 207.0 | 10.3 | 73.8 | 995.6 |
| 03/15/2022 | 23:45:00 - 00:00:00 | 4 | 14 | 14 | 14 | 13 | 3.6 | 214.8 | 10.1 | 74.9 | 995.6 |
| 03/15/2022 | 00:00:00 - 00:15:00 | 4 | 14 | 14 | 13 | 12 | 2.8 | 218.1 | 9.9 | 75.9 | 995.5 |
| 03/15/2022 | 00:15:00 - 00:30:00 | 4 | 13 | 14 | 13 | 12 | 3.3 | 201.5 | 9.9 | 76.0 | 995.4 |
| 03/15/2022 | 00:30:00 - 00:45:00 | 4 | 13 | 14 | 13 | 12 | 3.8 | 202.1 | 9.9 | 76.7 | 995.4 |
| 03/15/2022 | 00:45:00 - 01:00:00 | 4 | 13 | 14 | 13 | 11 | 3.1 | 206.1 | 9.8 | 77.0 | 995.4 |
| 03/15/2022 | 01:00:00 - 01:15:00 | 4 | 13 | 14 | 13 | 12 | 1.8 | 224.8 | 9.5 | 77.4 | 995.5 |
| 03/15/2022 | 01:15:00 - 01:30:00 | 4 | 13 | 14 | 13 | 12 | 2.0 | 209.2 | 9.2 | 79.0 | 995.6 |
| 03/15/2022 | 01:30:00 - 01:45:00 | 4 | 13 | 14 | 13 | 12 | 2.7 | 210.5 | 9.2 | 79.0 | 995.6 |
| 03/15/2022 | 01:45:00 - 02:00:00 | 4 | 13 | 14 | 13 | 12 | 3.1 | 215.9 | 9.2 | 79.0 | 995.4 |
| 03/15/2022 | 02:00:00 - 02:15:00 | 4 | 14 | 15 | 14 | 13 | 2.0 | 223.2 | 9.0 | 80.0 | 995.3 |
| 03/15/2022 | 02:15:00 - 02:30:00 | 4 | 15 | 15 | 14 | 13 | 1.6 | 198.6 | 8.7 | 81.0 | 995.1 |
| 03/15/2022 | 02:30:00 - 02:45:00 | 4 | 15 | 15 | 14 | 13 | 2.3 | 197.9 | 8.6 | 82.0 | 994.9 |
| 03/15/2022 | 02:45:00 - 03:00:00 | 4 | 15 | 15 | 14 | 14 | 3.2 | 195.4 | 8.7 | 81.9 | 994.7 |
| 03/15/2022 | 03:00:00 - 03:15:00 | 4 | 14 | 15 | 15 | 14 | 3.7 | 203.3 | 8.6 | 82.0 | 994.6 |
| 03/15/2022 | 03:15:00 - 03:30:00 | 4 | 14 | 15 | 14 | 14 | 2.6 | 199.7 | 8.2 | 83.4 | 994.6 |
| 03/15/2022 | 03:30:00 - 03:45:00 | 4 | 15 | 16 | 15 | 15 | 3.3 | 206.2 | 8.1 | 84.8 | 994.7 |
| 03/15/2022 | 03:45:00 - 04:00:00 | 4 | 15 | 16 | 15 | 15 | 2.5 | 204.6 | 8.1 | 85.7 | 994.7 |
| 03/15/2022 | 04:00:00 - 04:15:00 | 4 | 15 | 16 | 16 | 15 | 2.2 | 217.4 | 8.0 | 86.4 | 994.7 |
| 03/15/2022 | 04:15:00 - 04:30:00 | 5 | 16 | 17 | 16 | 16 | 2.0 | 210.7 | 7.5 | 87.5 | 994.7 |
| 03/15/2022 | 04:30:00 - 04:45:00 | 5 | 17 | 17 | 17 | 17 | 2.2 | 209.6 | 7.4 | 88.5 | 994.7 |
| 03/15/2022 | 04:45:00 - 05:00:00 | 5 | 16 | 16 | 16 | 16 | 2.8 | 207.4 | 7.6 | 89.0 | 994.7 |
| 03/15/2022 | 05:00:00 - 05:15:00 | 5 | 16 | 17 | 16 | 16 | 3.0 | 209.5 | 7.7 | 89.0 | 994.8 |
| 03/15/2022 | 05:15:00 - 05:30:00 | 5 | 17 | 17 | 17 | 18 | 3.0 | 202.8 | 7.6 | 89.8 | 994.9 |
| 03/15/2022 | 05:30:00 - 05:45:00 | 5 | 17 | 18 | 17 | 18 | 2.1 | 196.5 | 7.6 | 90.0 | 995.0 |
| 03/15/2022 | 05:45:00 - 06:00:00 | 5 | 17 | 18 | 18 | 19 | 2.1 | 196.1 | 7.5 | 90.4 | 995.1 |
| 03/15/2022 | 06:00:00 - 06:15:00 | 6 | 18 | 19 | 19 | 19 | 2.4 | 212.1 | 7.3 | 91.0 | 995.3 |
| 03/15/2022 | 06:15:00 - 06:30:00 | 6 | 19 | 20 | 21 | 20 | 3.4 | 203.6 | 7.5 | 91.0 | 995.3 |
| 03/15/2022 | 06:30:00 - 06:45:00 | 6 | 20 | 20 | 22 | 21 | 3.9 | 200.7 | 8.1 | 89.3 | 995.3 |
| 03/15/2022 | 06:45:00 - 07:00:00 | 6 | 21 | 21 | 22 | 22 | 2.8 | 199.8 | 8.4 | 87.2 | 995.4 |
| 03/15/2022 | 07:00:00 - 07:15:00 | 7 | 23 | 22 | 22 | 23 | 2.4 | 197.6 | 8.7 | 86.0 | 995.6 |
| 03/15/2022 | 07:15:00 - 07:30:00 | 7 | 23 | 22 | 23 | 24 | 3.3 | 207.7 | 9.0 | 84.9 | 995.7 |
| 03/15/2022 | 07:30:00 - 07:45:00 | 6 | 21 | 21 | 22 | 22 | 3.3 | 199.9 | 9.3 | 84.2 | 995.9 |
| 03/15/2022 | 07:45:00 - 08:00:00 | 6 | 22 | 20 | 21 | 22 | 2.2 | 220.5 | 9.3 | 85.0 | 996.0 |
| 03/15/2022 | 08:00:00 - 08:15:00 | 6 | 21 | 20 | 18 | 19 | 1.9 | 198.6 | 9.8 | 84.8 | 996.0 |
| 03/15/2022 | 08:15:00 - 08:30:00 | 6 | 22 | 18 | 17 | 16 | 1.9 | 212.2 | 10.3 | 83.5 | 996.2 |
| 03/15/2022 | 08:30:00 - 08:45:00 | 5 | 17 | 16 | 15 | 14 | 1.8 | 214.3 | 11.0 | 82.3 | 996.3 |
| 03/15/2022 | 08:45:00 - 09:00:00 | 4 | 17 | 16 | 14 | 13 | 2.9 | 214.8 | 12.1 | 79.4 | 996.4 |
| 03/15/2022 | 09:00:00 - 09:15:00 | 5 | 15 | 15 | 15 | 13 | 1.9 | 276.8 | 12.4 | 77.3 | 996.5 |
| 03/15/2022 | 09:15:00 - 09:30:00 | 5 | 16 | 16 | 16 | 14 | 3.2 | 285.7 | 12.2 | 78.6 | 996.6 |
| 03/15/2022 | 09:30:00 - 09:45:00 | 5 | 19 | 17 | 18 | 17 | 2.9 | 286.1 | 12.6 | 77.8 | 996.7 |
| 03/15/2022 | 09:45:00 - 10:00:00 | 5 | 18 | 17 | 16 | 17 | 2.4 | 277.9 | 13.3 | 75.8 | 996.8 |
| 03/15/2022 | 10:00:00 - 10:15:00 | 5 | 19 | 17 | 16 | 18 | 2.6 | 285.3 | 14.1 | 72.5 | 996.6 |
| 03/15/2022 | 10:15:00 - 10:30:00 | 11 | 17 | 35 | 15 | 17 | 3.0 | 292.9 | 14.7 | 70.6 | 996.6 |
| 03/15/2022 | 10:30:00 - 10:45:00 | 11 | 18 | 30 | 15 | 20 | 1.7 | 283.2 | 15.7 | 67.4 | 996.5 |
| 03/15/2022 | 10:45:00 - 11:00:00 | 14 | 18 | 36 | 16 | 19 | 2.0 | 292.3 | 15.7 | 66.7 | 996.5 |
| 03/15/2022 | 11:00:00 - 11:15:00 | 8 | 19 | 23 | 16 | 19 | 2.8 | 293.7 | 15.7 | 67.0 | 996.5 |
| 03/15/2022 | 11:15:00 - 11:30:00 | 8 | 17 | 24 | 16 | 19 | 3.6 | 308.9 | 15.9 | 67.0 | 996.3 |
| 03/15/2022 | 11:30:00 - 11:45:00 | 7 | 18 | 17 | 16 | 20 | 2.6 | 312.3 | 16.8 | 64.0 | 996.2 |
| 03/15/2022 | 11:45:00 - 12:00:00 | 9 | 18 | 25 | 16 | 19 | 2.6 | 298.0 | 17.0 | 61.9 | 996.0 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 03/15/2022 | 12:00:00 - 12:15:00 | 16 | 16 | 37 | 15 | 18 | 2.7 | 304.5 | 17.4 | 61.1 | 995.7 |
| 03/15/2022 | 12:15:00 - 12:30:00 | 8 | 16 | 21 | 15 | 18 | 2.0 | 302.6 | 17.9 | 58.3 | 995.4 |
| 03/15/2022 | 12:30:00 - 12:45:00 | 8 | 16 | 18 | 15 | 18 | 1.3 | 235.2 | 18.2 | 56.8 | 995.2 |
| 03/15/2022 | 12:45:00 - 13:00:00 | 6 | 16 | 15 | 15 | 18 | 2.1 | 270.9 | 18.7 | 55.1 | 995.2 |
| 03/15/2022 | 13:00:00 - 13:15:00 | 7 | 15 | 17 | 15 | 17 | 1.7 | 246.4 | 19.0 | 53.7 | 994.8 |
| 03/15/2022 | 13:15:00 - 13:30:00 | 7 | 15 | 17 | 14 | 16 | 3.5 | 300.2 | 18.9 | 53.8 | 994.5 |
| 03/15/2022 | 13:30:00 - 13:45:00 | 5 | 16 | 14 | 15 | 17 | 1.9 | 321.6 | 19.4 | 53.4 | 994.4 |
| 03/15/2022 | 13:45:00 - 14:00:00 | 6 | 15 | 16 | 17 | 14 | 1.9 | 261.5 | 19.1 | 52.1 | 994.2 |
| 03/15/2022 | 14:00:00 - 14:15:00 | 7 | 12 | 19 | 14 | 12 | 2.1 | 310.5 | 19.0 | 53.3 | 994.1 |
| 03/15/2022 | 14:15:00 - 14:30:00 | 9 | 12 | 25 | 14 | 11 | 1.7 | 276.6 | 19.7 | 50.9 | 994.0 |
| 03/15/2022 | 14:30:00 - 14:45:00 | 7 | 11 | 16 | 14 | 9 | 2.4 | 299.7 | 19.2 | 52.2 | 994.0 |
| 03/15/2022 | 14:45:00 - 15:00:00 | 4 | 11 | 13 | 14 | 8 | 1.9 | 268.2 | 19.8 | 50.5 | 993.9 |
| 03/15/2022 | 15:00:00 - 15:15:00 | 4 | 11 | 13 | 14 | 8 | 2.1 | 287.5 | 19.7 | 49.3 | 993.7 |
| 03/15/2022 | 15:15:00 - 15:30:00 | 4 | 10 | 12 | 13 | 7 | 2.7 | 281.7 | 20.0 | 48.9 | 993.6 |
| 03/15/2022 | 15:30:00 - 15:45:00 | 5 | 12 | 13 | 13 | 8 | 2.6 | 299.0 | 19.4 | 50.3 | 993.5 |
| 03/15/2022 | 15:45:00 - 16:00:00 | 5 | 12 | 14 | 13 | 9 | 2.0 | 280.0 | 19.7 | 49.2 | 993.4 |
| 03/15/2022 | 16:00:00 - 16:15:00 | 4 | 13 | 12 | 13 | 9 | 2.2 | 254.6 | 19.1 | 50.3 | 993.4 |
| 03/15/2022 | 16:15:00 - 16:30:00 | 4 | 13 | 12 | 15 | 9 | 1.8 | 239.0 | 19.1 | 50.2 | 993.5 |
| 03/15/2022 | 16:30:00 - 16:45:00 | 5 | 14 | 15 | 16 | 12 | 2.0 | 291.3 | 18.9 | 51.4 | 993.6 |
| 03/15/2022 | 16:45:00 - 17:00:00 | 5 | 13 | 13 | 15 | 11 | 2.7 | 290.3 | 18.2 | 53.8 | 993.7 |
| 03/15/2022 | 17:00:00 - 17:15:00 | 8 | 13 | 17 | 15 | 12 | 1.3 | 296.1 | 18.3 | 53.7 | 993.7 |
| 03/15/2022 | 17:15:00 - 17:30:00 | 6 | 14 | 15 | 16 | 14 | 1.2 | 276.4 | 17.7 | 54.6 | 993.6 |
| 03/15/2022 | 17:30:00 - 17:45:00 | 6 | 20 | 17 | 19 | 18 | 1.2 | 279.1 | 17.1 | 57.1 | 993.6 |
| 03/15/2022 | 17:45:00 - 18:00:00 | 8 | 21 | 20 | 22 | 22 | 1.1 | 298.0 | 16.3 | 59.6 | 993.7 |
| 03/15/2022 | 18:00:00 - 18:15:00 | 6 | 16 | 17 | 18 | 18 | 1.0 | 308.7 | 15.3 | 63.1 | 993.8 |
| 03/15/2022 | 18:15:00 - 18:30:00 | 6 | 20 | 17 | 19 | 19 | 0.3 | 8.9 | 14.5 | 65.8 | 993.8 |
| 03/15/2022 | 18:30:00 - 18:45:00 | 7 | 20 | 19 | 20 | 21 | 0.4 | 336.3 | 13.6 | 68.2 | 993.8 |
| 03/15/2022 | 18:45:00 - 19:00:00 | 8 | 25 | 22 | 24 | 29 | 0.2 | 325.6 | 13.0 | 71.3 | 993.8 |
| 03/15/2022 | 19:00:00 - 19:15:00 | 10 | 69 | 26 | 23 | 37 | 0.5 | 342.2 | 12.7 | 72.6 | 993.8 |
| 03/15/2022 | 19:15:00 - 19:30:00 | 12 | 40 | 33 | 34 | 45 | 0.5 | 333.3 | 12.1 | 75.2 | 993.8 |
| 03/15/2022 | 19:30:00 - 19:45:00 | 12 | 33 | 31 | 38 | 69 | 0.4 | 343.9 | 11.7 | 76.3 | 993.9 |
| 03/15/2022 | 19:45:00 - 20:00:00 | 13 | 44 | 33 | 43 | 55 | 0.6 | 327.9 | 10.7 | 79.7 | 993.9 |
| 03/15/2022 | 20:00:00 - 20:15:00 | 15 | 47 | 39 | 40 | 49 | 0.1 | 93.0 | 10.8 | 81.0 | 994.0 |
| 03/15/2022 | 20:15:00 - 20:30:00 | 19 | 66 | 48 | 50 | 57 | 0.7 | 75.0 | 10.9 | 80.9 | 993.9 |
| 03/15/2022 | 20:30:00 - 20:45:00 | 26 | 78 | 63 | 56 | 64 | 0.4 | 314.3 | 10.8 | 80.8 | 993.8 |
| 03/15/2022 | 20:45:00 - 21:00:00 | 28 | 87 | 68 | 60 | 71 | 0.3 | 13.1 | 10.6 | 81.4 | 993.8 |
| 03/15/2022 | 21:00:00 - 21:15:00 | 28 | 87 | 67 | 64 | 78 | 0.8 | 76.5 | 10.3 | 82.7 | 993.8 |
| 03/15/2022 | 21:15:00 - 21:30:00 | 34 | 132 | 82 | 91 | 91 | 0.8 | 33.7 | 10.1 | 83.6 | 993.8 |
| 03/15/2022 | 21:30:00 - 21:45:00 | 37 | 129 | 88 | 94 | 103 | 0.7 | 26.6 | 9.6 | 84.6 | 993.8 |
| 03/15/2022 | 21:45:00 - 22:00:00 | 34 | 109 | 82 | 82 | 91 | 0.4 | 3.4 | 9.4 | 85.7 | 993.8 |
| 03/15/2022 | 22:00:00 - 22:15:00 | 39 | 114 | 91 | 97 | 110 | 0.3 | 42.4 | 9.0 | 86.7 | 993.8 |
| 03/15/2022 | 22:15:00 - 22:30:00 | 46 | 164 | 110 | 123 | 133 | 0.5 | 15.3 | 8.6 | 87.9 | 993.8 |
| 03/15/2022 | 22:30:00 - 22:45:00 | 55 | 131 | 128 | 124 | 136 | 0.2 | 52.8 | 8.4 | 89.2 | 993.7 |
| 03/15/2022 | 22:45:00 - 23:00:00 | 43 | 111 | 101 | 112 | 129 | 0.6 | 357.8 | 8.6 | 89.2 | 993.6 |
| 03/15/2022 | 23:00:00 - 23:15:00 | 34 | 98 | 83 | 95 | 115 | 0.6 | 183.3 | 1.3 | 74.7 | 990.6 |
| 03/15/2022 | 23:15:00 - 23:30:00 | 32 | 78 | 76 | 78 | 108 | 0.7 | 155.3 | 1.0 | 75.4 | 990.4 |
| 03/15/2022 | 23:30:00 - 23:45:00 | 33 | 94 | 79 | 79 | 98 | 0.4 | 124.3 | 0.7 | 76.0 | 990.2 |
| 03/16/2022 | 23:45:00 - 00:00:00 | 30 | 101 | 75 | 78 | 91 | 0.8 | 87.8 | 0.1 | 77.7 | 989.9 |
| 03/16/2022 | 00:00:00 - 00:15:00 | 23 | 77 | 57 | 66 | 70 | 0.3 | 177.2 | 9.1 | 88.7 | 993.5 |
| 03/16/2022 | 00:15:00 - 00:30:00 | 19 | 79 | 51 | 56 | 60 | 0.5 | 290.5 | 10.0 | 84.1 | 993.3 |
| 03/16/2022 | 00:30:00 - 00:45:00 | 18 | 75 | 48 | 52 | 56 | 1.1 | 289.3 | 9.7 | 84.1 | 993.2 |
| 03/16/2022 | 00:45:00 - 01:00:00 | 12 | 38 | 33 | 42 | 44 | 1.0 | 198.8 | 10.6 | 81.7 | 993.1 |
| 03/16/2022 | 01:00:00 - 01:15:00 | 10 | 31 | 29 | 31 | 35 | 1.2 | 172.2 | 11.3 | 77.2 | 993.0 |
| 03/16/2022 | 01:15:00 - 01:30:00 | 9 | 29 | 28 | 28 | 33 | 1.1 | 181.4 | 11.4 | 76.8 | 992.9 |
| 03/16/2022 | 01:30:00 - 01:45:00 | 9 | 29 | 28 | 28 | 33 | 1.2 | 183.5 | 11.1 | 77.3 | 992.9 |
| 03/16/2022 | 01:45:00 - 02:00:00 | 10 | 31 | 29 | 28 | 35 | 1.3 | 193.8 | 11.0 | 78.0 | 992.9 |
| 03/16/2022 | 02:00:00 - 02:15:00 | 10 | 31 | 29 | 29 | 34 | 1.8 | 216.0 | 11.0 | 77.8 | 992.8 |
| 03/16/2022 | 02:15:00 - 02:30:00 | 9 | 29 | 27 | 27 | 33 | 1.5 | 201.6 | 11.2 | 76.8 | 992.8 |
| 03/16/2022 | 02:30:00 - 02:45:00 | 9 | 28 | 28 | 27 | 32 | 1.2 | 191.6 | 11.0 | 77.0 | 992.6 |
| 03/16/2022 | 02:45:00 - 03:00:00 | 9 | 26 | 26 | 26 | 30 | 1.2 | 190.5 | 10.7 | 78.0 | 992.4 |
| 03/16/2022 | 03:00:00 - 03:15:00 | 8 | 25 | 24 | 25 | 29 | 1.6 | 210.5 | 10.8 | 77.4 | 992.3 |
| 03/16/2022 | 03:15:00 - 03:30:00 | 8 | 24 | 24 | 24 | 28 | 1.5 | 203.5 | 10.8 | 77.1 | 992.2 |
| 03/16/2022 | 03:30:00 - 03:45:00 | 8 | 24 | 23 | 24 | 28 | 0.9 | 209.5 | 10.6 | 77.6 | 992.0 |
| 03/16/2022 | 03:45:00 - 04:00:00 | 8 | 25 | 24 | 24 | 28 | 0.9 | 274.3 | 10.1 | 78.9 | 991.9 |
| 03/16/2022 | 04:00:00 - 04:15:00 | 8 | 35 | 24 | 25 | 29 | 0.8 | 270.4 | 9.6 | 80.8 | 991.8 |
| 03/16/2022 | 04:15:00 - 04:30:00 | 9 | 35 | 26 | 27 | 31 | 0.9 | 271.0 | 9.2 | 81.8 | 991.8 |
| 03/16/2022 | 04:30:00 - 04:45:00 | 8 | 32 | 24 | 25 | 29 | 1.1 | 245.4 | 9.5 | 81.9 | 991.8 |
| 03/16/2022 | 04:45:00 - 05:00:00 | 7 | 25 | 23 | 24 | 29 | 1.2 | 248.6 | 10.0 | 79.2 | 991.8 |
| 03/16/2022 | 05:00:00 - 05:15:00 | 8 | 36 | 25 | 27 | 31 | 1.2 | 280.6 | 9.3 | 81.0 | 991.7 |
| 03/16/2022 | 05:15:00 - 05:30:00 | 9 | 86 | 27 | 33 | 32 | 1.0 | 307.5 | 8.7 | 82.9 | 991.7 |
| 03/16/2022 | 05:30:00 - 05:45:00 | 10 | 60 | 28 | 29 | 33 | 0.8 | 344.1 | 8.2 | 85.0 | 991.6 |
| 03/16/2022 | 05:45:00 - 06:00:00 | 10 | 51 | 28 | 29 | 35 | 0.8 | 283.6 | 8.1 | 86.1 | 991.6 |
| 03/16/2022 | 06:00:00 - 06:15:00 | 9 | 27 | 27 | 27 | 31 | 0.9 | 235.5 | 8.9 | 84.0 | 991.7 |
| 03/16/2022 | 06:15:00 - 06:30:00 | 10 | 29 | 28 | 26 | 32 | 1.3 | 244.6 | 9.5 | 81.2 | 991.6 |
| 03/16/2022 | 06:30:00 - 06:45:00 | 9 | 29 | 28 | 26 | 33 | 1.3 | 258.4 | 9.6 | 79.8 | 991.6 |
| 03/16/2022 | 06:45:00 - 07:00:00 | 9 | 29 | 28 | 27 | 33 | 1.3 | 238.9 | 10.0 | 77.7 | 991.6 |
| 03/16/2022 | 07:00:00 - 07:15:00 | 9 | 31 | 28 | 28 | 35 | 0.6 | 202.2 | 9.9 | 77.2 | 991.6 |
| 03/16/2022 | 07:15:00 - 07:30:00 | 9 | 28 | 27 | 28 | 33 | 1.4 | 135.3 | 10.0 | 76.2 | 991.7 |
| 03/16/2022 | 07:30:00 - 07:45:00 | 9 | 28 | 27 | 26 | 32 | 0.9 | 166.8 | 10.4 | 76.0 | 991.7 |
| 03/16/2022 | 07:45:00 - 08:00:00 | 9 | 28 | 26 | 26 | 33 | 1.3 | 144.6 | 10.7 | 75.6 | 991.8 |
| 03/16/2022 | 08:00:00 - 08:15:00 | 8 | 26 | 24 | 23 | 30 | 2.8 | 138.4 | 10.5 | 75.7 | 992.0 |
| 03/16/2022 | 08:15:00 - 08:30:00 | 7 | 25 | 22 | 22 | 27 | 1.8 | 150.5 | 10.6 | 76.0 | 992.1 |
| 03/16/2022 | 08:30:00 - 08:45:00 | 7 | 24 | 22 | 24 | 27 | 2.5 | 142.0 | 11.3 | 73.1 | 992.1 |
| 03/16/2022 | 08:45:00 - 09:00:00 | 7 | 23 | 21 | 24 | 25 | 1.4 | 180.2 | 12.2 | 70.8 | 992.0 |
| 03/16/2022 | 09:00:00 - 09:15:00 | 7 | 22 | 20 | 21 | 24 | 2.6 | 191.7 | 12.6 | 69.5 | 991.9 |
| 03/16/2022 | 09:15:00 - 09:30:00 | 7 | 22 | 20 | 22 | 24 | 2.9 | 197.2 | 13.2 | 68.8 | 991.8 |
| 03/16/2022 | 09:30:00 - 09:45:00 | 7 | 23 | 21 | 23 | 24 | 2.5 | 200.0 | 13.6 | 68.9 | 991.8 |
| 03/16/2022 | 09:45:00 - 10:00:00 | 8 | 23 | 22 | 26 | 23 | 2.8 | 186.0 | 14.7 | 66.0 | 991.8 |
| 03/16/2022 | 10:00:00 - 10:15:00 | 7 | 22 | 20 | 22 | 22 | 2.0 | 196.3 | 15.5 | 62.9 | 991.7 |
| 03/16/2022 | 10:15:00 - 10:30:00 | 7 | 21 | 22 | 24 | 25 | 2.4 | 197.9 | 16.7 | 59.3 | 991.6 |
| 03/16/2022 | 10:30:00 - 10:45:00 | 8 | 24 | 23 | 26 | 25 | 1.9 | 194.7 | 17.7 | 55.6 | 991.4 |
| 03/16/2022 | 10:45:00 - 11:00:00 | 9 | 26 | 24 | 25 | 27 | 2.8 | 190.6 | 18.2 | 52.1 | 991.2 |
| 03/16/2022 | 11:00:00 - 11:15:00 | 9 | 25 | 23 | 23 | 28 | 3.4 | 182.6 | 19.0 | 49.1 | 991.1 |
| 03/16/2022 | 11:15:00 - 11:30:00 | 9 | 26 | 24 | 24 | 26 | 3.4 | 204.1 | 19.1 | 46.8 | 990.9 |
| 03/16/2022 | 11:30:00 - 11:45:00 | 9 | 26 | 22 | 23 | 23 | 3.2 | 203.5 | 19.4 | 45.9 | 990.7 |
| 03/16/2022 | 11:45:00 - 12:00:00 | 8 | 23 | 21 | 20 | 22 | 4.8 | 207.9 | 19.6 | 45.6 | 990.6 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 03/16/2022 | 12:00:00 - 12:15:00 | 10 | 24 | 24 | 21 | 24 | 5.0 | 206.7 | 19.5 | 46.0 | 990.4 |
| 03/16/2022 | 12:15:00 - 12:30:00 | 8 | 23 | 20 | 23 | 22 | 3.6 | 195.3 | 19.9 | 45.1 | 990.1 |
| 03/16/2022 | 12:30:00 - 12:45:00 | 7 | 23 | 19 | 19 | 17 | 3.8 | 209.9 | 20.2 | 43.9 | 989.8 |
| 03/16/2022 | 12:45:00 - 13:00:00 | 7 | 20 | 18 | 21 | 15 | 3.8 | 202.2 | 20.4 | 42.7 | 989.5 |
| 03/16/2022 | 13:00:00 - 13:15:00 | 6 | 22 | 17 | 17 | 14 | 4.8 | 212.4 | 20.3 | 42.2 | 989.3 |
| 03/16/2022 | 13:15:00 - 13:30:00 | 6 | 23 | 17 | 17 | 12 | 3.3 | 201.0 | 20.8 | 40.9 | 988.9 |
| 03/16/2022 | 13:30:00 - 13:45:00 | 6 | 23 | 17 | 19 | 11 | 4.0 | 208.3 | 21.1 | 39.6 | 988.6 |
| 03/16/2022 | 13:45:00 - 14:00:00 | 7 | 23 | 19 | 19 | 11 | 4.0 | 199.3 | 21.1 | 40.0 | 988.2 |
| 03/16/2022 | 14:00:00 - 14:15:00 | 6 | 20 | 17 | 18 | 12 | 4.1 | 198.5 | 21.1 | 40.3 | 987.9 |
| 03/16/2022 | 14:15:00 - 14:30:00 | 6 | 20 | 16 | 19 | 11 | 3.9 | 212.4 | 21.3 | 40.3 | 987.6 |
| 03/16/2022 | 14:30:00 - 14:45:00 | 6 | 20 | 17 | 19 | 13 | 3.8 | 206.0 | 21.5 | 40.1 | 987.4 |
| 03/16/2022 | 14:45:00 - 15:00:00 | 6 | 18 | 16 | 20 | 14 | 3.9 | 198.3 | 21.4 | 40.5 | 987.3 |
| 03/16/2022 | 15:00:00 - 15:15:00 | 6 | 18 | 16 | 20 | 13 | 4.8 | 199.2 | 21.3 | 40.5 | 987.2 |
| 03/16/2022 | 15:15:00 - 15:30:00 | 6 | 19 | 16 | 17 | 12 | 3.6 | 191.9 | 21.4 | 40.5 | 987.0 |
| 03/16/2022 | 15:30:00 - 15:45:00 | 6 | 17 | 16 | 18 | 12 | 5.2 | 203.4 | 21.2 | 40.6 | 986.9 |
| 03/16/2022 | 15:45:00 - 16:00:00 | 6 | 18 | 16 | 17 | 12 | 3.6 | 200.1 | 21.3 | 40.9 | 986.8 |
| 03/16/2022 | 16:00:00 - 16:15:00 | 6 | 20 | 18 | 17 | 13 | 3.5 | 220.0 | 21.4 | 40.9 | 986.7 |
| 03/16/2022 | 16:15:00 - 16:30:00 | 7 | 21 | 19 | 17 | 15 | 3.4 | 210.3 | 21.4 | 40.9 | 986.4 |
| 03/16/2022 | 16:30:00 - 16:45:00 | 6 | 21 | 16 | 16 | 13 | 3.1 | 202.8 | 21.3 | 41.1 | 986.2 |
| 03/16/2022 | 16:45:00 - 17:00:00 | 6 | 17 | 16 | 17 | 13 | 3.8 | 198.8 | 21.1 | 41.3 | 986.1 |
| 03/16/2022 | 17:00:00 - 17:15:00 | 6 | 17 | 16 | 16 | 13 | 3.7 | 202.9 | 21.0 | 40.9 | 985.9 |
| 03/16/2022 | 17:15:00 - 17:30:00 | 6 | 17 | 16 | 16 | 14 | 4.2 | 205.5 | 20.7 | 41.6 | 985.9 |
| 03/16/2022 | 17:30:00 - 17:45:00 | 7 | 17 | 18 | 17 | 14 | 2.7 | 206.7 | 20.8 | 40.8 | 985.9 |
| 03/16/2022 | 17:45:00 - 18:00:00 | 6 | 17 | 16 | 17 | 15 | 2.9 | 207.6 | 20.6 | 40.9 | 985.8 |
| 03/16/2022 | 18:00:00 - 18:15:00 | 7 | 18 | 17 | 18 | 16 | 3.0 | 226.0 | 20.2 | 41.3 | 985.8 |
| 03/16/2022 | 18:15:00 - 18:30:00 | 7 | 18 | 18 | 18 | 17 | 2.8 | 209.3 | 19.8 | 42.6 | 985.8 |
| 03/16/2022 | 18:30:00 - 18:45:00 | 7 | 19 | 18 | 18 | 17 | 1.7 | 215.5 | 19.3 | 44.3 | 985.8 |
| 03/16/2022 | 18:45:00 - 19:00:00 | 7 | 20 | 19 | 19 | 20 | 1.8 | 208.3 | 18.7 | 45.4 | 985.8 |
| 03/16/2022 | 19:00:00 - 19:15:00 | 7 | 20 | 20 | 20 | 21 | 0.5 | 209.8 | 17.9 | 47.5 | 986.0 |
| 03/16/2022 | 19:15:00 - 19:30:00 | 7 | 21 | 20 | 19 | 20 | 0.5 | 211.2 | 17.0 | 50.8 | 986.1 |
| 03/16/2022 | 19:30:00 - 19:45:00 | 7 | 21 | 20 | 20 | 22 | 0.2 | 263.5 | 16.2 | 53.3 | 986.2 |
| 03/16/2022 | 19:45:00 - 20:00:00 | 7 | 23 | 21 | 22 | 23 | 0.5 | 141.9 | 16.1 | 54.6 | 986.3 |
| 03/16/2022 | 20:00:00 - 20:15:00 | 8 | 25 | 23 | 23 | 26 | 0.4 | 166.2 | 15.9 | 55.0 | 986.4 |
| 03/16/2022 | 20:15:00 - 20:30:00 | 8 | 23 | 22 | 23 | 25 | 0.9 | 147.5 | 15.8 | 55.7 | 986.4 |
| 03/16/2022 | 20:30:00 - 20:45:00 | 7 | 22 | 21 | 22 | 23 | 1.0 | 149.1 | 16.1 | 55.0 | 986.2 |
| 03/16/2022 | 20:45:00 - 21:00:00 | 7 | 20 | 20 | 20 | 22 | 0.6 | 172.4 | 15.6 | 55.8 | 986.3 |
| 03/16/2022 | 21:00:00 - 21:15:00 | 8 | 24 | 23 | 23 | 27 | 0.5 | 214.1 | 15.1 | 57.1 | 986.4 |
| 03/16/2022 | 21:15:00 - 21:30:00 | 19 | 68 | 48 | 43 | 61 | 0.5 | 217.7 | 14.7 | 58.4 | 986.3 |
| 03/16/2022 | 21:30:00 - 21:45:00 | 21 | 65 | 53 | 51 | 65 | 1.7 | 204.0 | 15.0 | 57.8 | 986.2 |
| 03/16/2022 | 21:45:00 - 22:00:00 | 25 | 82 | 63 | 60 | 81 | 0.8 | 244.8 | 14.4 | 59.4 | 986.3 |
| 03/16/2022 | 22:00:00 - 22:15:00 | 25 | 81 | 63 | 57 | 74 | 1.3 | 288.0 | 13.4 | 62.9 | 986.4 |
| 03/16/2022 | 22:15:00 - 22:30:00 | 21 | 92 | 53 | 51 | 64 | 0.8 | 287.5 | 13.0 | 64.4 | 986.4 |
| 03/16/2022 | 22:30:00 - 22:45:00 | 19 | 78 | 48 | 47 | 56 | 0.9 | 268.9 | 12.6 | 66.0 | 986.3 |
| 03/16/2022 | 22:45:00 - 23:00:00 | 18 | 61 | 44 | 41 | 52 | 0.5 | 243.8 | 12.6 | 66.2 | 986.2 |
| 03/16/2022 | 23:00:00 - 23:15:00 | 12 | 37 | 31 | 34 | 40 | 0.7 | 240.9 | 13.0 | 65.4 | 986.1 |
| 03/16/2022 | 23:15:00 - 23:30:00 | 11 | 35 | 31 | 30 | 36 | 0.8 | 194.9 | 13.5 | 63.4 | 986.1 |
| 03/16/2022 | 23:30:00 - 23:45:00 | 11 | 33 | 31 | 29 | 35 | 0.9 | 187.4 | 13.5 | 63.0 | 986.1 |
| 03/17/2022 | 23:45:00 - 00:00:00 | 11 | 33 | 30 | 29 | 34 | 0.9 | 180.6 | 13.5 | 63.0 | 986.0 |
| 03/17/2022 | 00:00:00 - 00:15:00 | 11 | 33 | 30 | 28 | 34 | 1.3 | 177.7 | 13.6 | 62.2 | 985.9 |
| 03/17/2022 | 00:15:00 - 00:30:00 | 11 | 35 | 32 | 29 | 36 | 1.3 | 184.9 | 13.6 | 62.4 | 985.8 |
| 03/17/2022 | 00:30:00 - 00:45:00 | 12 | 37 | 33 | 30 | 37 | 1.0 | 197.4 | 13.5 | 62.9 | 985.8 |
| 03/17/2022 | 00:45:00 - 01:00:00 | 12 | 37 | 34 | 32 | 38 | 1.3 | 193.0 | 13.1 | 63.9 | 985.8 |
| 03/17/2022 | 01:00:00 - 01:15:00 | 12 | 38 | 33 | 31 | 38 | 1.9 | 194.8 | 13.5 | 63.4 | 985.8 |
| 03/17/2022 | 01:15:00 - 01:30:00 | 12 | 39 | 34 | 33 | 40 | 1.9 | 211.5 | 13.4 | 63.6 | 986.0 |
| 03/17/2022 | 01:30:00 - 01:45:00 | 13 | 42 | 36 | 35 | 43 | 1.4 | 209.9 | 13.0 | 65.3 | 986.1 |
| 03/17/2022 | 01:45:00 - 02:00:00 | 14 | 44 | 37 | 36 | 46 | 1.3 | 223.3 | 12.7 | 66.2 | 986.1 |
| 03/17/2022 | 02:00:00 - 02:15:00 | 14 | 45 | 38 | 39 | 47 | 1.7 | 228.2 | 12.4 | 67.9 | 986.0 |
| 03/17/2022 | 02:15:00 - 02:30:00 | 14 | 47 | 39 | 40 | 48 | 1.5 | 259.9 | 12.4 | 68.2 | 986.0 |
| 03/17/2022 | 02:30:00 - 02:45:00 | 15 | 47 | 40 | 40 | 48 | 1.2 | 257.4 | 11.9 | 69.9 | 985.9 |
| 03/17/2022 | 02:45:00 - 03:00:00 | 15 | 47 | 40 | 40 | 48 | 1.6 | 264.4 | 11.7 | 70.6 | 985.8 |
| 03/17/2022 | 03:00:00 - 03:15:00 | 15 | 46 | 39 | 37 | 47 | 1.6 | 237.0 | 11.7 | 71.2 | 985.8 |
| 03/17/2022 | 03:15:00 - 03:30:00 | 14 | 44 | 37 | 35 | 45 | 2.1 | 232.2 | 12.1 | 70.5 | 985.7 |
| 03/17/2022 | 03:30:00 - 03:45:00 | 13 | 42 | 35 | 35 | 44 | 2.5 | 223.2 | 12.4 | 69.7 | 985.7 |
| 03/17/2022 | 03:45:00 - 04:00:00 | 12 | 40 | 34 | 34 | 42 | 2.9 | 222.2 | 12.5 | 68.2 | 985.7 |
| 03/17/2022 | 04:00:00 - 04:15:00 | 13 | 41 | 35 | 35 | 43 | 2.4 | 227.7 | 12.2 | 69.0 | 985.6 |
| 03/17/2022 | 04:15:00 - 04:30:00 | 14 | 44 | 37 | 36 | 46 | 2.1 | 229.0 | 11.7 | 71.2 | 985.6 |
| 03/17/2022 | 04:30:00 - 04:45:00 | 14 | 44 | 38 | 37 | 46 | 1.9 | 229.1 | 11.5 | 72.8 | 985.6 |
| 03/17/2022 | 04:45:00 - 05:00:00 | 14 | 43 | 37 | 36 | 45 | 1.8 | 219.9 | 11.5 | 73.1 | 985.7 |
| 03/17/2022 | 05:00:00 - 05:15:00 | 13 | 42 | 36 | 36 | 44 | 1.9 | 229.8 | 11.6 | 73.3 | 985.7 |
| 03/17/2022 | 05:15:00 - 05:30:00 | 15 | 46 | 39 | 39 | 47 | 1.6 | 238.8 | 11.1 | 74.4 | 985.8 |
| 03/17/2022 | 05:30:00 - 05:45:00 | 15 | 47 | 39 | 40 | 49 | 1.9 | 231.5 | 11.0 | 76.4 | 985.9 |
| 03/17/2022 | 05:45:00 - 06:00:00 | 14 | 46 | 38 | 40 | 47 | 2.4 | 229.2 | 11.3 | 76.8 | 986.1 |
| 03/17/2022 | 06:00:00 - 06:15:00 | 14 | 47 | 39 | 41 | 49 | 1.8 | 214.8 | 11.3 | 77.3 | 986.2 |
| 03/17/2022 | 06:15:00 - 06:30:00 | 15 | 49 | 41 | 43 | 51 | 2.6 | 212.8 | 11.3 | 77.3 | 986.3 |
| 03/17/2022 | 06:30:00 - 06:45:00 | 17 | 52 | 44 | 45 | 54 | 1.8 | 243.5 | 10.6 | 78.4 | 986.3 |
| 03/17/2022 | 06:45:00 - 07:00:00 | 17 | 54 | 44 | 46 | 56 | 1.9 | 220.9 | 10.2 | 80.7 | 986.4 |
| 03/17/2022 | 07:00:00 - 07:15:00 | 16 | 55 | 42 | 44 | 52 | 1.8 | 219.8 | 10.8 | 81.0 | 986.4 |
| 03/17/2022 | 07:15:00 - 07:30:00 | 16 | 49 | 41 | 41 | 48 | 1.4 | 198.5 | 11.0 | 80.9 | 986.5 |
| 03/17/2022 | 07:30:00 - 07:45:00 | 15 | 46 | 39 | 40 | 47 | 1.4 | 188.2 | 11.4 | 79.1 | 986.5 |
| 03/17/2022 | 07:45:00 - 08:00:00 | 14 | 47 | 38 | 39 | 47 | 1.2 | 187.4 | 11.6 | 77.5 | 986.5 |
| 03/17/2022 | 08:00:00 - 08:15:00 | 13 | 44 | 36 | 36 | 45 | 2.6 | 218.5 | 11.9 | 78.0 | 986.6 |
| 03/17/2022 | 08:15:00 - 08:30:00 | 14 | 46 | 38 | 37 | 46 | 2.7 | 214.7 | 12.1 | 77.3 | 986.7 |
| 03/17/2022 | 08:30:00 - 08:45:00 | 14 | 46 | 37 | 37 | 45 | 2.8 | 206.3 | 12.5 | 77.6 | 986.7 |
| 03/17/2022 | 08:45:00 - 09:00:00 | 11 | 38 | 31 | 29 | 35 | 2.6 | 208.1 | 13.5 | 77.1 | 986.7 |
| 03/17/2022 | 09:00:00 - 09:15:00 | 8 | 26 | 23 | 22 | 23 | 2.9 | 218.1 | 14.9 | 75.8 | 986.7 |
| 03/17/2022 | 09:15:00 - 09:30:00 | 8 | 24 | 23 | 20 | 19 | 3.2 | 211.5 | 15.9 | 73.6 | 986.6 |
| 03/17/2022 | 09:30:00 - 09:45:00 | 7 | 22 | 20 | 19 | 18 | 3.6 | 207.6 | 16.4 | 71.3 | 986.6 |
| 03/17/2022 | 09:45:00 - 10:00:00 | 8 | 25 | 21 | 19 | 19 | 3.1 | 213.2 | 16.6 | 71.0 | 986.7 |
| 03/17/2022 | 10:00:00 - 10:15:00 | 7 | 22 | 20 | 19 | 18 | 3.2 | 216.8 | 17.0 | 70.3 | 986.7 |
| 03/17/2022 | 10:15:00 - 10:30:00 | 6 | 22 | 19 | 18 | 17 | 3.3 | 219.1 | 17.6 | 68.9 | 986.7 |
| 03/17/2022 | 10:30:00 - 10:45:00 | 6 | 18 | 17 | 17 | 15 | 3.4 | 218.3 | 18.2 | 66.5 | 986.8 |
| 03/17/2022 | 10:45:00 - 11:00:00 | 6 | 16 | 17 | 15 | 12 | 2.0 | 225.8 | 19.1 | 64.2 | 986.8 |
| 03/17/2022 | 11:00:00 - 11:15:00 | 6 | 17 | 15 | 15 | 12 | 3.4 | 205.1 | 19.5 | 62.4 | 986.8 |
| 03/17/2022 | 11:15:00 - 11:30:00 | 7 | 18 | 17 | 15 | 12 | 2.6 | 246.3 | 19.8 | 61.6 | 986.6 |
| 03/17/2022 | 11:30:00 - 11:45:00 | 6 | 16 | 16 | 15 | 11 | 2.3 | 252.0 | 20.0 | 59.7 | 986.6 |
| 03/17/2022 | 11:45:00 - 12:00:00 | 5 | 15 | 14 | 15 | 11 | 2.3 | 239.9 | 20.2 | 58.8 | 986.6 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 03/17/2022 | 12:00:00 - 12:15:00 | 5 | 14 | 13 | 14 | 11 | 3.4 | 209.6 | 20.5 | 57.5 | 986.6 |
| 03/17/2022 | 12:15:00 - 12:30:00 | 5 | 13 | 13 | 14 | 10 | 2.7 | 225.2 | 21.1 | 56.2 | 986.5 |
| 03/17/2022 | 12:30:00 - 12:45:00 | 6 | 12 | 14 | 14 | 9 | 2.2 | 242.2 | 21.5 | 54.5 | 986.5 |
| 03/17/2022 | 12:45:00 - 13:00:00 | 5 | 15 | 13 | 14 | 10 | 3.3 | 211.7 | 21.4 | 53.5 | 986.3 |
| 03/17/2022 | 13:00:00 - 13:15:00 | 7 | 14 | 15 | 14 | 10 | 3.9 | 199.0 | 22.0 | 50.4 | 986.2 |
| 03/17/2022 | 13:15:00 - 13:30:00 | 6 | 15 | 16 | 14 | 11 | 3.7 | 212.5 | 22.6 | 47.9 | 986.1 |
| 03/17/2022 | 13:30:00 - 13:45:00 | 6 | 14 | 15 | 15 | 11 | 2.5 | 214.3 | 22.6 | 48.8 | 986.0 |
| 03/17/2022 | 13:45:00 - 14:00:00 | 7 | 16 | 18 | 16 | 12 | 3.2 | 237.5 | 22.9 | 48.0 | 985.7 |
| 03/17/2022 | 14:00:00 - 14:15:00 | 6 | 17 | 16 | 15 | 12 | 3.0 | 212.7 | 22.9 | 47.3 | 985.4 |
| 03/17/2022 | 14:15:00 - 14:30:00 | 7 | 15 | 16 | 16 | 13 | 4.8 | 203.2 | 22.6 | 48.3 | 985.2 |
| 03/17/2022 | 14:30:00 - 14:45:00 | 7 | 17 | 18 | 17 | 15 | 2.7 | 229.9 | 22.6 | 48.5 | 985.0 |
| 03/17/2022 | 14:45:00 - 15:00:00 | 8 | 19 | 21 | 20 | 19 | 3.4 | 198.4 | 23.4 | 46.3 | 984.9 |
| 03/17/2022 | 15:00:00 - 15:15:00 | 9 | 22 | 22 | 20 | 19 | 2.8 | 213.2 | 23.1 | 46.4 | 984.7 |
| 03/17/2022 | 15:15:00 - 15:30:00 | 11 | 25 | 25 | 22 | 25 | 2.3 | 204.4 | 23.3 | 44.9 | 984.7 |
| 03/17/2022 | 15:30:00 - 15:45:00 | 12 | 32 | 29 | 28 | 32 | 2.9 | 207.1 | 23.4 | 42.0 | 984.7 |
| 03/17/2022 | 15:45:00 - 16:00:00 | 15 | 40 | 35 | 33 | 40 | 3.5 | 206.6 | 22.7 | 41.1 | 984.7 |
| 03/17/2022 | 16:00:00 - 16:15:00 | 14 | 35 | 32 | 29 | 36 | 2.3 | 209.1 | 22.9 | 40.6 | 984.7 |
| 03/17/2022 | 16:15:00 - 16:30:00 | 11 | 27 | 25 | 24 | 26 | 4.9 | 209.8 | 22.7 | 42.0 | 984.7 |
| 03/17/2022 | 16:30:00 - 16:45:00 | 10 | 26 | 24 | 24 | 26 | 3.9 | 207.8 | 22.4 | 41.9 | 984.7 |
| 03/17/2022 | 16:45:00 - 17:00:00 | 8 | 19 | 19 | 19 | 18 | 3.1 | 194.7 | 22.8 | 42.6 | 984.7 |
| 03/17/2022 | 17:00:00 - 17:15:00 | 8 | 18 | 18 | 18 | 17 | 2.3 | 199.4 | 22.4 | 42.6 | 984.8 |
| 03/17/2022 | 17:15:00 - 17:30:00 | 8 | 18 | 17 | 17 | 16 | 3.1 | 197.0 | 22.3 | 43.2 | 984.9 |
| 03/17/2022 | 17:30:00 - 17:45:00 | 8 | 17 | 17 | 17 | 16 | 2.7 | 187.2 | 21.7 | 45.0 | 984.9 |
| 03/17/2022 | 17:45:00 - 18:00:00 | 8 | 18 | 17 | 18 | 17 | 2.0 | 200.2 | 21.3 | 46.4 | 985.1 |
| 03/17/2022 | 18:00:00 - 18:15:00 | 8 | 18 | 17 | 18 | 18 | 2.1 | 191.0 | 21.1 | 46.8 | 985.2 |
| 03/17/2022 | 18:15:00 - 18:30:00 | 9 | 20 | 19 | 19 | 20 | 2.2 | 188.4 | 20.8 | 48.0 | 985.3 |
| 03/17/2022 | 18:30:00 - 18:45:00 | 8 | 19 | 18 | 19 | 19 | 1.5 | 199.5 | 20.4 | 50.5 | 985.5 |
| 03/17/2022 | 18:45:00 - 19:00:00 | 8 | 18 | 17 | 18 | 16 | 1.3 | 195.8 | 19.7 | 52.6 | 985.6 |
| 03/17/2022 | 19:00:00 - 19:15:00 | 8 | 19 | 18 | 18 | 17 | 1.1 | 166.7 | 19.1 | 54.5 | 985.7 |
| 03/17/2022 | 19:15:00 - 19:30:00 | 10 | 25 | 22 | 22 | 23 | 1.2 | 166.4 | 18.6 | 56.0 | 985.7 |
| 03/17/2022 | 19:30:00 - 19:45:00 | 9 | 22 | 20 | 21 | 21 | 0.9 | 190.8 | 18.1 | 57.0 | 985.8 |
| 03/17/2022 | 19:45:00 - 20:00:00 | 9 | 22 | 21 | 20 | 20 | 0.5 | 209.8 | 17.7 | 58.5 | 985.9 |
| 03/17/2022 | 20:00:00 - 20:15:00 | 8 | 21 | 20 | 20 | 20 | 1.1 | 202.7 | 17.4 | 61.1 | 986.1 |
| 03/17/2022 | 20:15:00 - 20:30:00 | 8 | 19 | 19 | 18 | 18 | 1.2 | 176.2 | 17.3 | 62.0 | 986.2 |
| 03/17/2022 | 20:30:00 - 20:45:00 | 7 | 18 | 18 | 17 | 15 | 1.5 | 206.2 | 17.2 | 62.2 | 986.5 |
| 03/17/2022 | 20:45:00 - 21:00:00 | 7 | 16 | 17 | 16 | 14 | 1.8 | 201.0 | 17.0 | 62.4 | 986.5 |
| 03/17/2022 | 21:00:00 - 21:15:00 | 7 | 16 | 17 | 16 | 14 | 1.5 | 202.6 | 16.9 | 62.4 | 986.4 |
| 03/17/2022 | 21:15:00 - 21:30:00 | 7 | 20 | 19 | 18 | 17 | 1.6 | 199.9 | 16.8 | 62.3 | 986.4 |
| 03/17/2022 | 21:30:00 - 21:45:00 | 9 | 23 | 21 | 21 | 21 | 1.0 | 144.4 | 16.7 | 62.6 | 986.4 |
| 03/17/2022 | 21:45:00 - 22:00:00 | 9 | 23 | 22 | 21 | 21 | 1.4 | 129.5 | 16.4 | 64.0 | 986.4 |
| 03/17/2022 | 22:00:00 - 22:15:00 | 8 | 21 | 21 | 20 | 19 | 1.1 | 157.6 | 16.1 | 64.9 | 986.3 |
| 03/17/2022 | 22:15:00 - 22:30:00 | 8 | 20 | 20 | 19 | 18 | 1.1 | 154.4 | 16.1 | 65.0 | 986.2 |
| 03/17/2022 | 22:30:00 - 22:45:00 | 8 | 20 | 20 | 20 | 19 | 1.0 | 165.8 | 16.0 | 65.5 | 986.2 |
| 03/17/2022 | 22:45:00 - 23:00:00 | 8 | 21 | 20 | 20 | 19 | 1.7 | 145.1 | 15.8 | 66.1 | 986.1 |
| 03/17/2022 | 23:00:00 - 23:15:00 | 9 | 24 | 23 | 23 | 23 | 1.2 | 157.2 | 15.6 | 67.1 | 986.0 |
| 03/17/2022 | 23:15:00 - 23:30:00 | 9 | 24 | 22 | 22 | 22 | 0.9 | 168.9 | 15.5 | 67.6 | 985.9 |
| 03/17/2022 | 23:30:00 - 23:45:00 | 9 | 23 | 22 | 22 | 22 | 1.3 | 145.3 | 15.3 | 68.1 | 985.9 |
| 03/18/2022 | 23:45:00 - 00:00:00 | 8 | 21 | 21 | 21 | 20 | 1.1 | 158.3 | 15.2 | 68.7 | 985.7 |
| 03/18/2022 | 00:00:00 - 00:15:00 | 7 | 19 | 19 | 19 | 18 | 1.2 | 135.6 | 15.2 | 69.0 | 985.6 |
| 03/18/2022 | 00:15:00 - 00:30:00 | 7 | 19 | 19 | 19 | 18 | 0.9 | 150.9 | 15.2 | 68.7 | 985.6 |
| 03/18/2022 | 00:30:00 - 00:45:00 | 9 | 23 | 22 | 22 | 21 | 1.2 | 147.0 | 15.1 | 69.2 | 985.4 |
| 03/18/2022 | 00:45:00 - 01:00:00 | 9 | 25 | 24 | 24 | 24 | 0.9 | 166.1 | 14.7 | 70.6 | 985.0 |
| 03/18/2022 | 01:00:00 - 01:15:00 | 10 | 27 | 26 | 25 | 26 | 0.9 | 172.5 | 14.6 | 71.8 | 984.9 |
| 03/18/2022 | 01:15:00 - 01:30:00 | 11 | 29 | 27 | 26 | 27 | 1.0 | 180.4 | 14.6 | 72.0 | 985.0 |
| 03/18/2022 | 01:30:00 - 01:45:00 | 10 | 28 | 26 | 26 | 26 | 1.0 | 151.0 | 14.2 | 73.0 | 984.9 |
| 03/18/2022 | 01:45:00 - 02:00:00 | 10 | 28 | 26 | 25 | 25 | 1.2 | 155.9 | 14.0 | 74.0 | 985.3 |
| 03/18/2022 | 02:00:00 - 02:15:00 | 11 | 29 | 27 | 26 | 26 | 1.4 | 164.5 | 13.7 | 74.7 | 985.4 |
| 03/18/2022 | 02:15:00 - 02:30:00 | 11 | 29 | 27 | 27 | 27 | 0.8 | 189.3 | 13.4 | 76.0 | 985.3 |
| 03/18/2022 | 02:30:00 - 02:45:00 | 11 | 29 | 28 | 27 | 28 | 0.6 | 162.5 | 13.4 | 76.4 | 985.3 |
| 03/18/2022 | 02:45:00 - 03:00:00 | 11 | 30 | 29 | 28 | 29 | 0.3 | 168.5 | 13.3 | 77.0 | 985.2 |
| 03/18/2022 | 03:00:00 - 03:15:00 | 11 | 31 | 29 | 29 | 30 | 0.7 | 143.7 | 13.5 | 76.9 | 985.0 |
| 03/18/2022 | 03:15:00 - 03:30:00 | 12 | 31 | 29 | 29 | 30 | 0.3 | 56.7 | 13.4 | 76.9 | 984.7 |
| 03/18/2022 | 03:30:00 - 03:45:00 | 12 | 33 | 30 | 36 | 33 | 1.5 | 34.4 | 12.2 | 78.6 | 984.6 |
| 03/18/2022 | 03:45:00 - 04:00:00 | 12 | 34 | 31 | 32 | 32 | 1.6 | 43.6 | 10.4 | 82.8 | 984.4 |
| 03/18/2022 | 04:00:00 - 04:15:00 | 14 | 37 | 34 | 34 | 37 | 1.5 | 29.5 | 9.9 | 85.0 | 984.4 |
| 03/18/2022 | 04:15:00 - 04:30:00 | 21 | 55 | 51 | 46 | 55 | 2.1 | 48.0 | 9.6 | 85.6 | 984.4 |
| 03/18/2022 | 04:30:00 - 04:45:00 | 23 | 66 | 56 | 60 | 64 | 1.9 | 54.5 | 9.2 | 86.3 | 984.6 |
| 03/18/2022 | 04:45:00 - 05:00:00 | 24 | 68 | 58 | 61 | 66 | 2.1 | 43.3 | 9.1 | 87.0 | 984.6 |
| 03/18/2022 | 05:00:00 - 05:15:00 | 25 | 70 | 60 | 62 | 68 | 2.0 | 59.2 | 8.9 | 87.2 | 984.6 |
| 03/18/2022 | 05:15:00 - 05:30:00 | 25 | 71 | 60 | 63 | 70 | 1.8 | 51.5 | 8.9 | 88.0 | 984.4 |
| 03/18/2022 | 05:30:00 - 05:45:00 | 25 | 72 | 61 | 67 | 73 | 1.4 | 32.3 | 9.0 | 88.0 | 984.2 |
| 03/18/2022 | 05:45:00 - 06:00:00 | 26 | 73 | 63 | 67 | 73 | 1.7 | 52.1 | 9.0 | 88.0 | 984.2 |
| 03/18/2022 | 06:00:00 - 06:15:00 | 26 | 75 | 63 | 67 | 74 | 1.6 | 55.5 | 8.9 | 88.0 | 984.0 |
| 03/18/2022 | 06:15:00 - 06:30:00 | 26 | 77 | 64 | 65 | 76 | 2.0 | 56.7 | 9.0 | 88.0 | 983.9 |
| 03/18/2022 | 06:30:00 - 06:45:00 | 26 | 75 | 64 | 64 | 74 | 2.9 | 73.9 | 9.1 | 88.5 | 983.2 |
| 03/18/2022 | 06:45:00 - 07:00:00 | 26 | 75 | 64 | 64 | 73 | 2.9 | 69.7 | 9.1 | 89.0 | 982.6 |
| 03/18/2022 | 07:00:00 - 07:15:00 | 26 | 73 | 63 | 63 | 72 | 3.8 | 85.6 | 9.3 | 89.2 | 982.2 |
| 03/18/2022 | 07:15:00 - 07:30:00 | 25 | 71 | 62 | 63 | 70 | 4.2 | 82.1 | 9.7 | 89.0 | 981.9 |
| 03/18/2022 | 07:30:00 - 07:45:00 | 24 | 69 | 59 | 60 | 68 | 3.9 | 88.4 | 10.0 | 89.0 | 981.9 |
| 03/18/2022 | 07:45:00 - 08:00:00 | 25 | 65 | 63 | 58 | 68 | 3.1 | 97.7 | 10.4 | 88.1 | 981.4 |
| 03/18/2022 | 08:00:00 - 08:15:00 | 25 | 63 | 63 | 54 | 63 | 3.5 | 104.8 | 10.9 | 87.0 | 981.8 |
| 03/18/2022 | 08:15:00 - 08:30:00 | 24 | 60 | 60 | 56 | 62 | 3.7 | 102.3 | 11.2 | 86.2 | 981.8 |
| 03/18/2022 | 08:30:00 - 08:45:00 | 23 | 57 | 57 | 56 | 62 | 4.0 | 97.0 | 11.5 | 85.8 | 981.8 |
| 03/18/2022 | 08:45:00 - 09:00:00 | 22 | 56 | 55 | 57 | 62 | 3.4 | 99.2 | 11.6 | 85.6 | 981.7 |
| 03/18/2022 | 09:00:00 - 09:15:00 | 20 | 52 | 51 | 48 | 49 | 3.8 | 103.0 | 11.9 | 85.0 | 981.8 |
| 03/18/2022 | 09:15:00 - 09:30:00 | 19 | 48 | 47 | 43 | 46 | 3.5 | 99.0 | 12.1 | 85.2 | 981.8 |
| 03/18/2022 | 09:30:00 - 09:45:00 | 17 | 48 | 43 | 44 | 44 | 2.8 | 105.3 | 12.3 | 85.7 | 981.5 |
| 03/18/2022 | 09:45:00 - 10:00:00 | 16 | 45 | 40 | 41 | 41 | 3.7 | 101.7 | 12.4 | 85.3 | 981.4 |
| 03/18/2022 | 10:00:00 - 10:15:00 | 15 | 43 | 38 | 38 | 40 | 3.8 | 96.2 | 12.4 | 86.0 | 981.3 |
| 03/18/2022 | 10:15:00 - 10:30:00 | 14 | 40 | 36 | 37 | 38 | 3.7 | 98.6 | 12.6 | 86.6 | 981.2 |
| 03/18/2022 | 10:30:00 - 10:45:00 | 13 | 37 | 33 | 32 | 37 | 2.3 | 111.8 | 12.7 | 86.4 | 981.1 |
| 03/18/2022 | 10:45:00 - 11:00:00 | 13 | 39 | 33 | 36 | 35 | 2.7 | 113.3 | 12.4 | 89.8 | 981.2 |
| 03/18/2022 | 11:00:00 - 11:15:00 | 12 | 34 | 31 | 34 | 31 | 2.5 | 134.6 | 12.0 | 95.1 | 981.0 |
| 03/18/2022 | 11:15:00 - 11:30:00 | 12 | 33 | 30 | 32 | 29 | 1.7 | 144.2 | 12.1 | 96.7 | 980.8 |
| 03/18/2022 | 11:30:00 - 11:45:00 | 12 | 33 | 29 | 32 | 29 | 2.0 | 153.4 | 12.2 | 97.0 | 980.9 |
| 03/18/2022 | 11:45:00 - 12:00:00 | 13 | 35 | 31 | 35 | 31 | 1.6 | 151.8 | 12.2 | 97.0 | 980.8 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 03/18/2022 | 12:00:00 - 12:15:00 | 13 | 36 | 32 | 37 | 33 | 1.7 | 166.1 | 12.3 | 97.0 | 980.5 |
| 03/18/2022 | 12:15:00 - 12:30:00 | 13 | 37 | 33 | 36 | 32 | 1.2 | 186.1 | 12.2 | 97.1 | 980.5 |
| 03/18/2022 | 12:30:00 - 12:45:00 | 13 | 36 | 31 | 35 | 30 | 2.0 | 200.3 | 12.2 | 97.8 | 980.2 |
| 03/18/2022 | 12:45:00 - 13:00:00 | 13 | 36 | 31 | 34 | 31 | 1.4 | 184.9 | 12.3 | 98.1 | 980.0 |
| 03/18/2022 | 13:00:00 - 13:15:00 | 12 | 37 | 29 | 52 | 30 | 1.3 | 216.7 | 12.5 | 99.0 | 979.6 |
| 03/18/2022 | 13:15:00 - 13:30:00 | 11 | 30 | 27 | 30 | 24 | 1.5 | 217.0 | 12.7 | 99.0 | 979.2 |
| 03/18/2022 | 13:30:00 - 13:45:00 | 9 | 26 | 24 | 26 | 21 | 0.9 | 205.3 | 12.8 | 98.7 | 978.9 |
| 03/18/2022 | 13:45:00 - 14:00:00 | 10 | 29 | 26 | 28 | 28 | 1.3 | 76.1 | 12.7 | 98.7 | 978.3 |
| 03/18/2022 | 14:00:00 - 14:15:00 | 10 | 30 | 26 | 29 | 28 | 1.9 | 73.7 | 12.7 | 98.9 | 977.8 |
| 03/18/2022 | 14:15:00 - 14:30:00 | 11 | 31 | 27 | 29 | 28 | 2.2 | 98.3 | 12.6 | 98.8 | 977.6 |
| 03/18/2022 | 14:30:00 - 14:45:00 | 11 | 30 | 27 | 29 | 27 | 2.7 | 95.5 | 12.5 | 99.0 | 977.3 |
| 03/18/2022 | 14:45:00 - 15:00:00 | 9 | 25 | 23 | 24 | 20 | 1.7 | 117.2 | 12.5 | 99.0 | 977.2 |
| 03/18/2022 | 15:00:00 - 15:15:00 | 7 | 20 | 19 | 21 | 15 | 2.4 | 139.5 | 12.4 | 99.0 | 976.9 |
| 03/18/2022 | 15:15:00 - 15:30:00 | 7 | 19 | 19 | 20 | 14 | 3.0 | 121.7 | 12.4 | 99.1 | 976.5 |
| 03/18/2022 | 15:30:00 - 15:45:00 | 7 | 20 | 19 | 21 | 15 | 3.7 | 107.4 | 12.6 | 99.0 | 976.2 |
| 03/18/2022 | 15:45:00 - 16:00:00 | 8 | 21 | 21 | 22 | 17 | 3.7 | 110.5 | 12.7 | 99.0 | 976.1 |
| 03/18/2022 | 16:00:00 - 16:15:00 | 8 | 21 | 21 | 23 | 17 | 3.2 | 109.3 | 13.2 | 98.7 | 976.1 |
| 03/18/2022 | 16:15:00 - 16:30:00 | 7 | 22 | 20 | 22 | 17 | 3.1 | 127.1 | 13.2 | 97.1 | 976.3 |
| 03/18/2022 | 16:30:00 - 16:45:00 | 9 | 24 | 23 | 25 | 20 | 3.7 | 131.4 | 13.1 | 96.7 | 976.3 |
| 03/18/2022 | 16:45:00 - 17:00:00 | 10 | 27 | 24 | 26 | 22 | 3.0 | 136.1 | 13.1 | 96.0 | 976.2 |
| 03/18/2022 | 17:00:00 - 17:15:00 | 10 | 28 | 25 | 27 | 23 | 2.5 | 143.8 | 13.1 | 96.0 | 976.1 |
| 03/18/2022 | 17:15:00 - 17:30:00 | 10 | 29 | 26 | 28 | 24 | 2.1 | 146.2 | 13.3 | 95.7 | 976.1 |
| 03/18/2022 | 17:30:00 - 17:45:00 | 10 | 28 | 25 | 27 | 24 | 2.1 | 150.6 | 13.5 | 94.4 | 976.1 |
| 03/18/2022 | 17:45:00 - 18:00:00 | 10 | 27 | 25 | 26 | 22 | 2.1 | 143.2 | 13.6 | 94.0 | 976.0 |
| 03/18/2022 | 18:00:00 - 18:15:00 | 10 | 27 | 25 | 26 | 23 | 2.1 | 125.2 | 13.5 | 94.0 | 975.8 |
| 03/18/2022 | 18:15:00 - 18:30:00 | 10 | 28 | 24 | 27 | 22 | 1.8 | 100.5 | 13.4 | 94.5 | 975.5 |
| 03/18/2022 | 18:30:00 - 18:45:00 | 10 | 27 | 26 | 27 | 23 | 2.5 | 140.0 | 13.4 | 95.0 | 975.7 |
| 03/18/2022 | 18:45:00 - 19:00:00 | 10 | 28 | 26 | 28 | 24 | 3.1 | 137.3 | 13.3 | 95.3 | 975.9 |
| 03/18/2022 | 19:00:00 - 19:15:00 | 10 | 27 | 26 | 28 | 23 | 3.1 | 138.6 | 13.1 | 96.0 | 975.9 |
| 03/18/2022 | 19:15:00 - 19:30:00 | 11 | 29 | 27 | 29 | 24 | 3.3 | 127.8 | 13.0 | 96.0 | 975.8 |
| 03/18/2022 | 19:30:00 - 19:45:00 | 11 | 31 | 27 | 29 | 25 | 2.2 | 132.8 | 12.8 | 96.3 | 975.8 |
| 03/18/2022 | 19:45:00 - 20:00:00 | 11 | 31 | 28 | 31 | 26 | 2.0 | 137.4 | 12.6 | 97.0 | 975.7 |
| 03/18/2022 | 20:00:00 - 20:15:00 | 11 | 31 | 29 | 31 | 27 | 2.3 | 130.2 | 12.5 | 97.0 | 975.6 |
| 03/18/2022 | 20:15:00 - 20:30:00 | 12 | 31 | 30 | 32 | 28 | 2.9 | 139.4 | 12.5 | 97.0 | 975.6 |
| 03/18/2022 | 20:30:00 - 20:45:00 | 12 | 34 | 32 | 34 | 30 | 2.5 | 143.5 | 12.3 | 97.3 | 975.5 |
| 03/18/2022 | 20:45:00 - 21:00:00 | 13 | 34 | 31 | 34 | 29 | 1.5 | 142.0 | 12.2 | 98.0 | 975.6 |
| 03/18/2022 | 21:00:00 - 21:15:00 | 12 | 33 | 31 | 33 | 29 | 1.4 | 129.7 | 12.2 | 98.0 | 975.6 |
| 03/18/2022 | 21:15:00 - 21:30:00 | 11 | 31 | 29 | 31 | 28 | 1.4 | 150.8 | 12.1 | 98.0 | 975.6 |
| 03/18/2022 | 21:30:00 - 21:45:00 | 10 | 27 | 26 | 27 | 23 | 1.4 | 149.9 | 12.0 | 98.0 | 975.5 |
| 03/18/2022 | 21:45:00 - 22:00:00 | 9 | 25 | 24 | 26 | 22 | 0.9 | 160.6 | 12.0 | 98.0 | 975.5 |
| 03/18/2022 | 22:00:00 - 22:15:00 | 9 | 25 | 24 | 26 | 21 | 1.0 | 168.4 | 12.0 | 98.0 | 975.5 |
| 03/18/2022 | 22:15:00 - 22:30:00 | 10 | 25 | 24 | 27 | 21 | 1.3 | 192.3 | 11.8 | 98.4 | 975.4 |
| 03/18/2022 | 22:30:00 - 22:45:00 | 10 | 25 | 24 | 27 | 22 | 1.8 | 192.3 | 11.8 | 99.0 | 975.3 |
| 03/18/2022 | 22:45:00 - 23:00:00 | 9 | 25 | 24 | 27 | 21 | 1.7 | 202.3 | 11.7 | 99.0 | 975.3 |
| 03/18/2022 | 23:00:00 - 23:15:00 | 9 | 23 | 23 | 25 | 19 | 2.1 | 198.7 | 11.7 | 99.8 | 975.3 |
| 03/18/2022 | 23:15:00 - 23:30:00 | 8 | 20 | 22 | 25 | 17 | 2.8 | 206.7 | 11.9 | 100.0 | 975.3 |
| 03/18/2022 | 23:30:00 - 23:45:00 | 9 | 22 | 23 | 26 | 18 | 3.1 | 212.4 | 11.9 | 100.0 | 975.3 |
| 03/19/2022 | 23:45:00 - 00:00:00 | 9 | 24 | 24 | 27 | 20 | 3.3 | 217.0 | 11.8 | 100.0 | 975.3 |
| 03/19/2022 | 00:00:00 - 00:15:00 | 9 | 21 | 22 | 25 | 17 | 4.0 | 211.8 | 11.8 | 100.0 | 975.3 |
| 03/19/2022 | 00:15:00 - 00:30:00 | 6 | 14 | 17 | 18 | 11 | 3.9 | 215.2 | 11.2 | 99.3 | 975.3 |
| 03/19/2022 | 00:30:00 - 00:45:00 | 5 | 11 | 14 | 15 | 8 | 3.3 | 268.0 | 10.5 | 99.6 | 975.5 |
| 03/19/2022 | 00:45:00 - 01:00:00 | 7 | 17 | 18 | 19 | 12 | 2.5 | 229.9 | 10.0 | 99.3 | 975.6 |
| 03/19/2022 | 01:00:00 - 01:15:00 | 10 | 25 | 26 | 27 | 20 | 2.4 | 245.2 | 9.2 | 98.8 | 975.7 |
| 03/19/2022 | 01:15:00 - 01:30:00 | 11 | 29 | 29 | 30 | 24 | 1.8 | 210.4 | 8.7 | 98.1 | 975.9 |
| 03/19/2022 | 01:30:00 - 01:45:00 | 12 | 29 | 29 | 31 | 24 | 2.4 | 220.8 | 8.3 | 98.9 | 975.9 |
| 03/19/2022 | 01:45:00 - 02:00:00 | 10 | 25 | 27 | 28 | 21 | 2.3 | 213.8 | 8.2 | 98.9 | 976.0 |
| 03/19/2022 | 02:00:00 - 02:15:00 | 10 | 25 | 26 | 27 | 21 | 3.1 | 217.6 | 8.0 | 98.9 | 976.1 |
| 03/19/2022 | 02:15:00 - 02:30:00 | 11 | 26 | 27 | 29 | 22 | 2.9 | 215.3 | 7.9 | 99.0 | 976.2 |
| 03/19/2022 | 02:30:00 - 02:45:00 | 11 | 27 | 28 | 31 | 24 | 3.0 | 216.2 | 7.8 | 99.0 | 976.1 |
| 03/19/2022 | 02:45:00 - 03:00:00 | 8 | 20 | 22 | 24 | 17 | 3.9 | 205.3 | 7.6 | 99.0 | 976.2 |
| 03/19/2022 | 03:00:00 - 03:15:00 | 8 | 19 | 21 | 23 | 17 | 5.3 | 205.6 | 7.5 | 99.0 | 976.1 |
| 03/19/2022 | 03:15:00 - 03:30:00 | 6 | 13 | 17 | 18 | 12 | 4.6 | 204.1 | 7.3 | 99.7 | 976.1 |
| 03/19/2022 | 03:30:00 - 03:45:00 | 5 | 11 | 16 | 17 | 10 | 2.9 | 209.7 | 7.3 | 100.0 | 976.0 |
| 03/19/2022 | 03:45:00 - 04:00:00 | 7 | 15 | 19 | 21 | 14 | 3.2 | 205.0 | 7.5 | 100.0 | 976.0 |
| 03/19/2022 | 04:00:00 - 04:15:00 | 11 | 25 | 27 | 31 | 24 | 2.3 | 205.6 | 7.7 | 100.0 | 976.1 |
| 03/19/2022 | 04:15:00 - 04:30:00 | 8 | 21 | 23 | 24 | 18 | 5.7 | 286.4 | 7.0 | 100.0 | 976.3 |
| 03/19/2022 | 04:30:00 - 04:45:00 | 4 | 8 | 13 | 13 | 6 | 5.1 | 291.9 | 6.3 | 99.2 | 976.6 |
| 03/19/2022 | 04:45:00 - 05:00:00 | 3 | 5 | 10 | 9 | 3 | 4.8 | 291.6 | 6.0 | 99.0 | 976.9 |
| 03/19/2022 | 05:00:00 - 05:15:00 | 1 | 2 | 7 | 6 | 0 | 5.2 | 291.6 | 5.7 | 98.9 | 977.2 |
| 03/19/2022 | 05:15:00 - 05:30:00 | 1 | 0 | 7 | 5 | 0 | 3.8 | 293.9 | 5.4 | 99.0 | 977.5 |
| 03/19/2022 | 05:30:00 - 05:45:00 | 2 | 2 | 8 | 7 | 1 | 3.7 | 299.4 | 5.2 | 99.0 | 977.7 |
| 03/19/2022 | 05:45:00 - 06:00:00 | 2 | 3 | 9 | 8 | 3 | 3.8 | 297.5 | 5.0 | 99.0 | 977.9 |
| 03/19/2022 | 06:00:00 - 06:15:00 | 2 | 2 | 8 | 7 | 1 | 4.3 | 300.5 | 4.8 | 99.0 | 978.1 |
| 03/19/2022 | 06:15:00 - 06:30:00 | 1 | 0 | 7 | 5 | 0 | 2.9 | 298.9 | 4.6 | 99.0 | 978.4 |
| 03/19/2022 | 06:30:00 - 06:45:00 | 1 | 1 | 7 | 5 | 0 | 5.3 | 296.8 | 4.4 | 99.0 | 978.6 |
| 03/19/2022 | 06:45:00 - 07:00:00 | 1 | 1 | 7 | 5 | 1 | 4.7 | 297.2 | 4.3 | 99.0 | 979.0 |
| 03/19/2022 | 07:00:00 - 07:15:00 | 1 | 0 | 7 | 4 | 0 | 4.4 | 306.6 | 4.1 | 99.0 | 979.3 |
| 03/19/2022 | 07:15:00 - 07:30:00 | 1 | 0 | 7 | 5 | 0 | 4.3 | 296.4 | 4.0 | 99.0 | 979.7 |
| 03/19/2022 | 07:30:00 - 07:45:00 | 1 | 0 | 7 | 4 | 0 | 2.0 | 287.2 | 4.0 | 99.0 | 980.1 |
| 03/19/2022 | 07:45:00 - 08:00:00 | 1 | 0 | 6 | 4 | 0 | 2.8 | 278.2 | 3.9 | 99.0 | 980.5 |
| 03/19/2022 | 08:00:00 - 08:15:00 | 0 | 0 | 5 | 3 | 0 | 3.1 | 304.4 | 3.8 | 99.0 | 980.8 |
| 03/19/2022 | 08:15:00 - 08:30:00 | 0 | 0 | 5 | 3 | 0 | 4.2 | 299.4 | 3.7 | 98.8 | 981.1 |
| 03/19/2022 | 08:30:00 - 08:45:00 | 0 | 0 | 5 | 3 | 0 | 4.4 | 308.8 | 3.6 | 98.7 | 981.4 |
| 03/19/2022 | 08:45:00 - 09:00:00 | 0 | 0 | 5 | 3 | 0 | 3.7 | 312.9 | 3.6 | 99.0 | 981.6 |
| 03/19/2022 | 09:00:00 - 09:15:00 | 0 | 0 | 6 | 3 | 0 | 4.1 | 298.1 | 3.6 | 98.6 | 981.8 |
| 03/19/2022 | 09:15:00 - 09:30:00 | 0 | 0 | 6 | 3 | 0 | 3.9 | 307.1 | 3.6 | 98.0 | 982.1 |
| 03/19/2022 | 09:30:00 - 09:45:00 | 0 | 0 | 6 | 3 | 0 | 3.6 | 313.6 | 3.6 | 97.6 | 982.4 |
| 03/19/2022 | 09:45:00 - 10:00:00 | 0 | 0 | 5 | 3 | 0 | 4.4 | 303.4 | 3.6 | 97.1 | 982.7 |
| 03/19/2022 | 10:00:00 - 10:15:00 | 0 | 0 | 6 | 3 | 0 | 2.6 | 293.5 | 3.7 | 97.3 | 982.9 |
| 03/19/2022 | 10:15:00 - 10:30:00 | 1 | 0 | 6 | 3 | 0 | 3.1 | 308.5 | 3.7 | 97.5 | 983.1 |
| 03/19/2022 | 10:30:00 - 10:45:00 | 0 | 0 | 6 | 3 | 0 | 3.3 | 309.4 | 3.7 | 96.7 | 983.4 |
| 03/19/2022 | 10:45:00 - 11:00:00 | 0 | 0 | 6 | 3 | 0 | 3.7 | 302.7 | 3.8 | 95.6 | 983.7 |
| 03/19/2022 | 11:00:00 - 11:15:00 | 0 | 0 | 6 | 3 | 0 | 4.7 | 296.7 | 3.9 | 94.9 | 984.0 |
| 03/19/2022 | 11:15:00 - 11:30:00 | 0 | 0 | 6 | 3 | 0 | 4.2 | 294.1 | 3.9 | 94.6 | 984.2 |
| 03/19/2022 | 11:30:00 - 11:45:00 | 0 | 0 | 5 | 3 | 0 | 5.2 | 289.8 | 4.0 | 94.1 | 984.5 |
| 03/19/2022 | 11:45:00 - 12:00:00 | 0 | 0 | 5 | 3 | 0 | 5.0 | 302.0 | 4.0 | 94.5 | 984.7 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 03/19/2022 | 12:00:00 - 12:15:00 | 0 | 0 | 6 | 3 | 0 | 5.1 | 291.9 | 4.0 | 93.8 | 984.9 |
| 03/19/2022 | 12:15:00 - 12:30:00 | 1 | 0 | 7 | 4 | 0 | 5.4 | 296.0 | 4.0 | 93.4 | 985.1 |
| 03/19/2022 | 12:30:00 - 12:45:00 | 2 | 2 | 9 | 6 | 2 | 5.6 | 297.1 | 3.9 | 94.0 | 985.2 |
| 03/19/2022 | 12:45:00 - 13:00:00 | 2 | 3 | 9 | 7 | 3 | 6.6 | 304.3 | 3.9 | 93.9 | 985.4 |
| 03/19/2022 | 13:00:00 - 13:15:00 | 2 | 2 | 9 | 6 | 2 | 5.0 | 299.5 | 4.1 | 93.9 | 985.4 |
| 03/19/2022 | 13:15:00 - 13:30:00 | 2 | 2 | 9 | 6 | 2 | 6.0 | 297.9 | 4.2 | 93.6 | 985.6 |
| 03/19/2022 | 13:30:00 - 13:45:00 | 2 | 3 | 9 | 7 | 2 | 4.8 | 295.9 | 4.4 | 93.2 | 985.7 |
| 03/19/2022 | 13:45:00 - 14:00:00 | 2 | 3 | 9 | 7 | 3 | 4.6 | 297.0 | 4.7 | 92.4 | 985.8 |
| 03/19/2022 | 14:00:00 - 14:15:00 | 2 | 2 | 8 | 6 | 2 | 6.3 | 302.4 | 4.8 | 91.0 | 985.9 |
| 03/19/2022 | 14:15:00 - 14:30:00 | 1 | 1 | 8 | 5 | 0 | 4.9 | 304.1 | 5.0 | 89.6 | 986.0 |
| 03/19/2022 | 14:30:00 - 14:45:00 | 1 | 1 | 7 | 5 | 0 | 5.9 | 302.1 | 5.1 | 89.4 | 986.1 |
| 03/19/2022 | 14:45:00 - 15:00:00 | 2 | 3 | 9 | 7 | 2 | 4.9 | 295.7 | 5.1 | 90.6 | 986.4 |
| 03/19/2022 | 15:00:00 - 15:15:00 | 4 | 9 | 13 | 11 | 7 | 4.6 | 298.1 | 5.1 | 91.1 | 986.6 |
| 03/19/2022 | 15:15:00 - 15:30:00 | 5 | 14 | 17 | 16 | 12 | 4.4 | 289.0 | 5.1 | 91.9 | 986.8 |
| 03/19/2022 | 15:30:00 - 15:45:00 | 4 | 8 | 13 | 11 | 7 | 4.5 | 305.8 | 5.3 | 91.6 | 987.0 |
| 03/19/2022 | 15:45:00 - 16:00:00 | 3 | 5 | 10 | 8 | 4 | 5.0 | 306.9 | 5.4 | 90.0 | 987.2 |
| 03/19/2022 | 16:00:00 - 16:15:00 | 3 | 6 | 12 | 10 | 5 | 3.6 | 300.1 | 5.7 | 90.9 | 987.4 |
| 03/19/2022 | 16:15:00 - 16:30:00 | 3 | 7 | 11 | 10 | 5 | 3.9 | 301.4 | 5.9 | 92.3 | 987.6 |
| 03/19/2022 | 16:30:00 - 16:45:00 | 4 | 10 | 14 | 13 | 8 | 4.8 | 296.7 | 6.0 | 93.6 | 987.7 |
| 03/19/2022 | 16:45:00 - 17:00:00 | 4 | 10 | 14 | 13 | 8 | 4.0 | 290.1 | 6.2 | 94.0 | 987.8 |
| 03/19/2022 | 17:00:00 - 17:15:00 | 5 | 12 | 16 | 15 | 10 | 4.9 | 291.2 | 6.4 | 94.0 | 987.8 |
| 03/19/2022 | 17:15:00 - 17:30:00 | 4 | 10 | 13 | 12 | 7 | 6.6 | 294.2 | 6.8 | 93.0 | 987.9 |
| 03/19/2022 | 17:30:00 - 17:45:00 | 4 | 11 | 14 | 12 | 7 | 4.8 | 297.1 | 6.8 | 92.0 | 988.1 |
| 03/19/2022 | 17:45:00 - 18:00:00 | 4 | 9 | 13 | 11 | 7 | 5.1 | 301.5 | 6.9 | 90.8 | 988.3 |
| 03/19/2022 | 18:00:00 - 18:15:00 | 3 | 7 | 11 | 9 | 4 | 4.2 | 303.8 | 7.1 | 89.4 | 988.5 |
| 03/19/2022 | 18:15:00 - 18:30:00 | 3 | 6 | 11 | 9 | 4 | 3.5 | 295.1 | 7.2 | 88.2 | 988.7 |
| 03/19/2022 | 18:30:00 - 18:45:00 | 3 | 7 | 11 | 9 | 4 | 3.3 | 292.5 | 7.4 | 87.4 | 988.9 |
| 03/19/2022 | 18:45:00 - 19:00:00 | 3 | 7 | 11 | 10 | 4 | 2.6 | 288.3 | 7.4 | 87.3 | 989.1 |
| 03/19/2022 | 19:00:00 - 19:15:00 | 4 | 11 | 13 | 12 | 6 | 1.9 | 290.2 | 7.4 | 88.0 | 989.3 |
| 03/19/2022 | 19:15:00 - 19:30:00 | 5 | 14 | 16 | 14 | 10 | 2.0 | 284.5 | 7.4 | 88.0 | 989.5 |
| 03/19/2022 | 19:30:00 - 19:45:00 | 5 | 14 | 17 | 15 | 11 | 1.4 | 277.9 | 7.1 | 88.7 | 989.5 |
| 03/19/2022 | 19:45:00 - 20:00:00 | 7 | 15 | 20 | 16 | 16 | 0.5 | 201.4 | 6.5 | 89.8 | 989.6 |
| 03/19/2022 | 20:00:00 - 20:15:00 | 7 | 20 | 22 | 21 | 18 | 0.2 | 246.0 | 6.1 | 91.5 | 989.7 |
| 03/19/2022 | 20:15:00 - 20:30:00 | 7 | 20 | 22 | 22 | 19 | 1.1 | 179.9 | 5.7 | 91.8 | 989.8 |
| 03/19/2022 | 20:30:00 - 20:45:00 | 8 | 21 | 22 | 23 | 20 | 0.6 | 145.8 | 5.2 | 93.3 | 989.9 |
| 03/19/2022 | 20:45:00 - 21:00:00 | 8 | 24 | 25 | 25 | 23 | 1.2 | 128.5 | 5.1 | 94.0 | 990.0 |
| 03/19/2022 | 21:00:00 - 21:15:00 | 8 | 24 | 24 | 27 | 23 | 1.2 | 124.5 | 4.7 | 94.1 | 990.1 |
| 03/19/2022 | 21:15:00 - 21:30:00 | 8 | 21 | 24 | 24 | 21 | 1.5 | 158.0 | 4.5 | 94.0 | 990.2 |
| 03/19/2022 | 21:30:00 - 21:45:00 | 9 | 23 | 24 | 26 | 23 | 1.2 | 129.2 | 4.0 | 94.5 | 990.3 |
| 03/19/2022 | 21:45:00 - 22:00:00 | 8 | 19 | 23 | 23 | 21 | 1.2 | 109.4 | 4.0 | 95.2 | 990.3 |
| 03/19/2022 | 22:00:00 - 22:15:00 | 7 | 15 | 21 | 19 | 18 | 1.3 | 88.8 | 3.8 | 95.9 | 990.4 |
| 03/19/2022 | 22:15:00 - 22:30:00 | 5 | 12 | 17 | 16 | 14 | 1.4 | 118.1 | 3.9 | 95.5 | 990.5 |
| 03/19/2022 | 22:30:00 - 22:45:00 | 4 | 10 | 16 | 14 | 12 | 1.6 | 103.6 | 3.7 | 95.0 | 990.7 |
| 03/19/2022 | 22:45:00 - 23:00:00 | 4 | 9 | 16 | 14 | 11 | 1.6 | 107.5 | 3.5 | 94.5 | 990.7 |
| 03/19/2022 | 23:00:00 - 23:15:00 | 4 | 9 | 15 | 13 | 11 | 1.3 | 145.5 | 3.4 | 95.0 | 990.8 |
| 03/19/2022 | 23:15:00 - 23:30:00 | 4 | 8 | 14 | 12 | 11 | 1.5 | 146.2 | 3.4 | 94.1 | 990.9 |
| 03/19/2022 | 23:30:00 - 23:45:00 | 3 | 8 | 14 | 13 | 10 | 1.5 | 151.0 | 3.3 | 94.0 | 991.0 |
| 03/20/2022 | 23:45:00 - 00:00:00 | 3 | 7 | 13 | 11 | 9 | 1.2 | 144.9 | 3.3 | 94.0 | 991.0 |
| 03/20/2022 | 00:00:00 - 00:15:00 | 3 | 6 | 13 | 10 | 9 | 0.7 | 139.0 | 3.6 | 92.7 | 991.0 |
| 03/20/2022 | 00:15:00 - 00:30:00 | 2 | 7 | 12 | 9 | 7 | 0.4 | 110.8 | 4.0 | 89.8 | 991.1 |
| 03/20/2022 | 00:30:00 - 00:45:00 | 2 | 5 | 12 | 10 | 8 | 1.2 | 116.2 | 3.9 | 89.1 | 991.2 |
| 03/20/2022 | 00:45:00 - 01:00:00 | 3 | 6 | 13 | 11 | 9 | 1.5 | 128.2 | 3.5 | 90.1 | 991.4 |
| 03/20/2022 | 01:00:00 - 01:15:00 | 3 | 7 | 13 | 11 | 9 | 1.5 | 152.0 | 2.9 | 91.5 | 991.4 |
| 03/20/2022 | 01:15:00 - 01:30:00 | 3 | 6 | 13 | 11 | 9 | 1.5 | 142.8 | 2.6 | 92.7 | 991.4 |
| 03/20/2022 | 01:30:00 - 01:45:00 | 2 | 6 | 12 | 11 | 8 | 1.3 | 166.3 | 2.7 | 93.1 | 991.6 |
| 03/20/2022 | 01:45:00 - 02:00:00 | 3 | 6 | 12 | 11 | 9 | 1.6 | 172.6 | 3.0 | 92.1 | 991.8 |
| 03/20/2022 | 02:00:00 - 02:15:00 | 2 | 6 | 13 | 11 | 9 | 1.4 | 171.2 | 2.9 | 91.0 | 991.9 |
| 03/20/2022 | 02:15:00 - 02:30:00 | 2 | 6 | 13 | 11 | 9 | 1.1 | 162.2 | 2.7 | 91.0 | 992.0 |
| 03/20/2022 | 02:30:00 - 02:45:00 | 2 | 6 | 12 | 11 | 9 | 0.9 | 152.7 | 2.6 | 90.9 | 992.1 |
| 03/20/2022 | 02:45:00 - 03:00:00 | 2 | 5 | 12 | 10 | 8 | 0.8 | 170.2 | 3.1 | 88.1 | 992.2 |
| 03/20/2022 | 03:00:00 - 03:15:00 | 2 | 5 | 12 | 10 | 9 | 1.0 | 140.8 | 3.2 | 87.0 | 992.2 |
| 03/20/2022 | 03:15:00 - 03:30:00 | 2 | 6 | 12 | 10 | 9 | 1.1 | 126.0 | 3.1 | 87.0 | 992.2 |
| 03/20/2022 | 03:30:00 - 03:45:00 | 2 | 5 | 12 | 11 | 9 | 1.0 | 139.2 | 3.1 | 87.0 | 992.2 |
| 03/20/2022 | 03:45:00 - 04:00:00 | 2 | 5 | 13 | 11 | 9 | 1.5 | 118.6 | 2.9 | 87.6 | 992.3 |
| 03/20/2022 | 04:00:00 - 04:15:00 | 3 | 7 | 13 | 11 | 10 | 1.3 | 130.7 | 2.8 | 88.0 | 992.4 |
| 03/20/2022 | 04:15:00 - 04:30:00 | 3 | 8 | 13 | 12 | 10 | 1.3 | 126.8 | 3.0 | 87.4 | 992.5 |
| 03/20/2022 | 04:30:00 - 04:45:00 | 3 | 8 | 13 | 12 | 10 | 1.7 | 120.5 | 2.9 | 87.2 | 992.6 |
| 03/20/2022 | 04:45:00 - 05:00:00 | 3 | 8 | 14 | 12 | 11 | 1.8 | 123.5 | 2.7 | 88.0 | 992.7 |
| 03/20/2022 | 05:00:00 - 05:15:00 | 3 | 8 | 14 | 13 | 12 | 1.9 | 119.1 | 2.6 | 88.4 | 992.8 |
| 03/20/2022 | 05:15:00 - 05:30:00 | 3 | 8 | 14 | 13 | 12 | 2.1 | 134.5 | 2.7 | 88.3 | 993.0 |
| 03/20/2022 | 05:30:00 - 05:45:00 | 3 | 8 | 14 | 13 | 12 | 1.8 | 131.0 | 2.6 | 88.0 | 993.2 |
| 03/20/2022 | 05:45:00 - 06:00:00 | 3 | 8 | 14 | 13 | 12 | 1.9 | 137.5 | 2.5 | 88.6 | 993.3 |
| 03/20/2022 | 06:00:00 - 06:15:00 | 3 | 9 | 14 | 13 | 12 | 1.4 | 145.6 | 2.4 | 89.0 | 993.4 |
| 03/20/2022 | 06:15:00 - 06:30:00 | 3 | 8 | 14 | 13 | 11 | 1.3 | 145.4 | 2.2 | 89.9 | 993.6 |
| 03/20/2022 | 06:30:00 - 06:45:00 | 3 | 8 | 14 | 13 | 12 | 1.5 | 165.7 | 2.1 | 90.0 | 993.8 |
| 03/20/2022 | 06:45:00 - 07:00:00 | 3 | 9 | 14 | 13 | 13 | 1.5 | 178.0 | 1.9 | 90.5 | 993.9 |
| 03/20/2022 | 07:00:00 - 07:15:00 | 3 | 10 | 15 | 14 | 13 | 1.5 | 154.2 | 1.9 | 90.7 | 993.8 |
| 03/20/2022 | 07:15:00 - 07:30:00 | 4 | 10 | 15 | 14 | 14 | 1.0 | 163.1 | 2.4 | 90.4 | 994.0 |
| 03/20/2022 | 07:30:00 - 07:45:00 | 3 | 10 | 15 | 15 | 13 | 1.4 | 152.1 | 3.6 | 87.8 | 994.2 |
| 03/20/2022 | 07:45:00 - 08:00:00 | 3 | 9 | 14 | 14 | 11 | 1.7 | 177.8 | 4.6 | 83.6 | 994.4 |
| 03/20/2022 | 08:00:00 - 08:15:00 | 2 | 8 | 13 | 14 | 8 | 1.2 | 184.2 | 5.8 | 78.9 | 994.6 |
| 03/20/2022 | 08:15:00 - 08:30:00 | 2 | 7 | 12 | 13 | 6 | 1.0 | 198.4 | 7.0 | 74.5 | 994.8 |
| 03/20/2022 | 08:30:00 - 08:45:00 | 2 | 7 | 11 | 11 | 5 | 0.3 | 230.1 | 8.4 | 70.0 | 994.9 |
| 03/20/2022 | 08:45:00 - 09:00:00 | 2 | 6 | 10 | 9 | 3 | 0.2 | 266.3 | 9.7 | 64.7 | 995.1 |
| 03/20/2022 | 09:00:00 - 09:15:00 | 4 | 5 | 12 | 8 | 3 | 1.4 | 219.5 | 9.6 | 62.3 | 995.2 |
| 03/20/2022 | 09:15:00 - 09:30:00 | 3 | 7 | 9 | 8 | 3 | 1.0 | 230.0 | 10.2 | 60.7 | 995.3 |
| 03/20/2022 | 09:30:00 - 09:45:00 | 2 | 7 | 9 | 8 | 2 | 0.9 | 216.0 | 11.0 | 58.8 | 995.3 |
| 03/20/2022 | 09:45:00 - 10:00:00 | 2 | 6 | 8 | 8 | 1 | 1.5 | 205.6 | 11.2 | 55.0 | 995.4 |
| 03/20/2022 | 10:00:00 - 10:15:00 | 2 | 6 | 7 | 7 | 1 | 1.8 | 283.3 | 12.1 | 49.9 | 995.4 |
| 03/20/2022 | 10:15:00 - 10:30:00 | 2 | 4 | 7 | 7 | 1 | 1.2 | 248.4 | 12.7 | 48.7 | 995.7 |
| 03/20/2022 | 10:30:00 - 10:45:00 | 3 | 6 | 9 | 9 | 4 | 2.1 | 202.2 | 13.2 | 45.6 | 995.8 |
| 03/20/2022 | 10:45:00 - 11:00:00 | 3 | 5 | 9 | 9 | 4 | 2.3 | 200.6 | 13.6 | 44.3 | 995.8 |
| 03/20/2022 | 11:00:00 - 11:15:00 | 3 | 2 | 7 | 7 | 2 | 3.1 | 209.4 | 13.6 | 41.9 | 995.8 |
| 03/20/2022 | 11:15:00 - 11:30:00 | 3 | 3 | 7 | 8 | 3 | 2.7 | 208.3 | 13.7 | 44.1 | 995.8 |
| 03/20/2022 | 11:30:00 - 11:45:00 | 3 | 2 | 6 | 8 | 2 | 2.3 | 203.4 | 14.4 | 44.8 | 995.8 |
| 03/20/2022 | 11:45:00 - 12:00:00 | 3 | 1 | 5 | 6 | 1 | 3.2 | 212.3 | 14.6 | 43.9 | 995.7 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 03/20/2022 | 12:00:00 - 12:15:00 | 2 | 0 | 4 | 6 | 0 | 3.8 | 211.0 | 14.7 | 45.7 | 995.6 |
| 03/20/2022 | 12:15:00 - 12:30:00 | 2 | 0 | 4 | 6 | 0 | 3.0 | 214.2 | 15.6 | 45.4 | 995.6 |
| 03/20/2022 | 12:30:00 - 12:45:00 | 3 | 2 | 5 | 8 | 2 | 2.4 | 218.7 | 16.0 | 45.7 | 995.5 |
| 03/20/2022 | 12:45:00 - 13:00:00 | 3 | 1 | 5 | 7 | 1 | 3.8 | 210.0 | 16.1 | 44.4 | 995.4 |
| 03/20/2022 | 13:00:00 - 13:15:00 | 3 | 0 | 5 | 7 | 1 | 3.0 | 234.0 | 16.2 | 44.4 | 995.3 |
| 03/20/2022 | 13:15:00 - 13:30:00 | 3 | 1 | 5 | 7 | 1 | 3.2 | 227.5 | 16.5 | 44.4 | 995.1 |
| 03/20/2022 | 13:30:00 - 13:45:00 | 3 | 1 | 5 | 7 | 1 | 3.9 | 219.0 | 16.8 | 44.8 | 995.0 |
| 03/20/2022 | 13:45:00 - 14:00:00 | 3 | 1 | 5 | 7 | 2 | 3.2 | 246.7 | 17.2 | 44.9 | 994.9 |
| 03/20/2022 | 14:00:00 - 14:15:00 | 3 | 1 | 6 | 8 | 2 | 3.5 | 227.2 | 17.3 | 44.5 | 994.8 |
| 03/20/2022 | 14:15:00 - 14:30:00 | 3 | 1 | 6 | 7 | 2 | 4.5 | 217.0 | 17.5 | 44.7 | 994.7 |
| 03/20/2022 | 14:30:00 - 14:45:00 | 3 | 1 | 6 | 8 | 3 | 3.1 | 234.8 | 17.8 | 43.9 | 994.6 |
| 03/20/2022 | 14:45:00 - 15:00:00 | 3 | 1 | 6 | 8 | 3 | 4.4 | 219.6 | 18.0 | 43.0 | 994.6 |
| 03/20/2022 | 15:00:00 - 15:15:00 | 3 | 2 | 6 | 7 | 3 | 2.5 | 260.5 | 18.6 | 42.2 | 994.5 |
| 03/20/2022 | 15:15:00 - 15:30:00 | 4 | 3 | 6 | 8 | 3 | 3.5 | 229.9 | 18.7 | 41.3 | 994.5 |
| 03/20/2022 | 15:30:00 - 15:45:00 | 4 | 3 | 7 | 8 | 4 | 3.8 | 250.6 | 18.6 | 41.9 | 994.4 |
| 03/20/2022 | 15:45:00 - 16:00:00 | 4 | 3 | 7 | 8 | 3 | 3.1 | 267.9 | 18.8 | 42.1 | 994.3 |
| 03/20/2022 | 16:00:00 - 16:15:00 | 4 | 1 | 6 | 8 | 3 | 3.2 | 230.9 | 19.1 | 40.4 | 994.2 |
| 03/20/2022 | 16:15:00 - 16:30:00 | 3 | 1 | 5 | 7 | 2 | 2.7 | 275.9 | 19.2 | 40.1 | 994.1 |
| 03/20/2022 | 16:30:00 - 16:45:00 | 3 | 0 | 5 | 7 | 1 | 3.8 | 279.7 | 18.9 | 39.4 | 994.0 |
| 03/20/2022 | 16:45:00 - 17:00:00 | 3 | 1 | 5 | 6 | 1 | 2.9 | 254.3 | 18.9 | 38.7 | 993.9 |
| 03/20/2022 | 17:00:00 - 17:15:00 | 3 | 1 | 5 | 7 | 1 | 3.1 | 270.2 | 18.8 | 39.2 | 993.8 |
| 03/20/2022 | 17:15:00 - 17:30:00 | 3 | 1 | 5 | 7 | 1 | 1.8 | 259.4 | 18.9 | 40.0 | 993.8 |
| 03/20/2022 | 17:30:00 - 17:45:00 | 3 | 2 | 5 | 7 | 1 | 1.7 | 246.4 | 18.9 | 38.4 | 993.9 |
| 03/20/2022 | 17:45:00 - 18:00:00 | 3 | 4 | 5 | 7 | 1 | 2.0 | 275.7 | 18.6 | 38.7 | 993.9 |
| 03/20/2022 | 18:00:00 - 18:15:00 | 4 | 2 | 6 | 7 | 1 | 1.7 | 261.9 | 18.3 | 39.1 | 993.9 |
| 03/20/2022 | 18:15:00 - 18:30:00 | 4 | 3 | 6 | 7 | 1 | 1.3 | 253.3 | 17.6 | 41.4 | 993.9 |
| 03/20/2022 | 18:30:00 - 18:45:00 | 4 | 4 | 8 | 8 | 3 | 2.0 | 226.7 | 17.4 | 41.3 | 993.9 |
| 03/20/2022 | 18:45:00 - 19:00:00 | 3 | 4 | 7 | 8 | 2 | 2.6 | 218.7 | 16.9 | 44.3 | 993.9 |
| 03/20/2022 | 19:00:00 - 19:15:00 | 4 | 5 | 8 | 9 | 3 | 2.1 | 223.2 | 16.2 | 48.0 | 993.9 |
| 03/20/2022 | 19:15:00 - 19:30:00 | 4 | 5 | 8 | 9 | 3 | 2.1 | 224.0 | 15.7 | 49.8 | 993.9 |
| 03/20/2022 | 19:30:00 - 19:45:00 | 4 | 5 | 8 | 9 | 3 | 2.0 | 227.3 | 15.2 | 50.6 | 993.9 |
| 03/20/2022 | 19:45:00 - 20:00:00 | 4 | 5 | 9 | 9 | 3 | 1.9 | 207.9 | 14.9 | 51.9 | 994.0 |
| 03/20/2022 | 20:00:00 - 20:15:00 | 4 | 5 | 8 | 10 | 4 | 2.5 | 213.2 | 14.9 | 51.9 | 994.0 |
| 03/20/2022 | 20:15:00 - 20:30:00 | 4 | 5 | 9 | 9 | 3 | 2.2 | 210.9 | 14.7 | 52.0 | 994.1 |
| 03/20/2022 | 20:30:00 - 20:45:00 | 4 | 7 | 9 | 9 | 4 | 3.2 | 212.1 | 14.7 | 52.0 | 994.2 |
| 03/20/2022 | 20:45:00 - 21:00:00 | 4 | 7 | 9 | 9 | 5 | 2.0 | 222.3 | 14.4 | 52.1 | 994.2 |
| 03/20/2022 | 21:00:00 - 21:15:00 | 4 | 7 | 10 | 10 | 4 | 2.2 | 202.6 | 14.1 | 52.1 | 994.3 |
| 03/20/2022 | 21:15:00 - 21:30:00 | 4 | 6 | 9 | 9 | 4 | 2.7 | 208.9 | 14.1 | 51.0 | 994.3 |
| 03/20/2022 | 21:30:00 - 21:45:00 | 3 | 5 | 8 | 9 | 3 | 2.1 | 217.5 | 13.8 | 52.0 | 994.3 |
| 03/20/2022 | 21:45:00 - 22:00:00 | 3 | 4 | 8 | 8 | 2 | 2.6 | 203.6 | 13.8 | 50.7 | 994.4 |
| 03/20/2022 | 22:00:00 - 22:15:00 | 3 | 4 | 7 | 8 | 2 | 3.1 | 216.0 | 13.9 | 49.6 | 994.3 |
| 03/20/2022 | 22:15:00 - 22:30:00 | 3 | 5 | 8 | 8 | 2 | 3.0 | 221.1 | 13.7 | 48.9 | 994.3 |
| 03/20/2022 | 22:30:00 - 22:45:00 | 3 | 4 | 8 | 8 | 2 | 2.4 | 222.7 | 13.2 | 50.7 | 994.3 |
| 03/20/2022 | 22:45:00 - 23:00:00 | 3 | 4 | 8 | 8 | 3 | 2.2 | 231.9 | 13.0 | 51.1 | 994.3 |
| 03/20/2022 | 23:00:00 - 23:15:00 | 3 | 4 | 8 | 8 | 3 | 2.2 | 226.3 | 13.0 | 50.5 | 994.4 |
| 03/20/2022 | 23:15:00 - 23:30:00 | 4 | 6 | 9 | 9 | 4 | 2.2 | 229.3 | 12.5 | 52.5 | 994.4 |
| 03/20/2022 | 23:30:00 - 23:45:00 | 3 | 4 | 8 | 8 | 3 | 3.4 | 218.4 | 12.9 | 49.0 | 994.4 |
| 03/21/2022 | 23:45:00 - 00:00:00 | 3 | 4 | 8 | 8 | 3 | 3.0 | 230.7 | 12.7 | 49.9 | 994.5 |
| 03/21/2022 | 00:00:00 - 00:15:00 | 4 | 6 | 9 | 9 | 4 | 2.9 | 230.3 | 12.1 | 52.5 | 994.5 |
| 03/21/2022 | 00:15:00 - 00:30:00 | 4 | 8 | 11 | 10 | 6 | 2.4 | 235.5 | 11.9 | 53.9 | 994.5 |
| 03/21/2022 | 00:30:00 - 00:45:00 | 5 | 10 | 12 | 12 | 9 | 3.3 | 216.5 | 11.8 | 53.5 | 994.5 |
| 03/21/2022 | 00:45:00 - 01:00:00 | 5 | 10 | 13 | 13 | 9 | 3.6 | 213.1 | 11.8 | 51.2 | 994.4 |
| 03/21/2022 | 01:00:00 - 01:15:00 | 5 | 10 | 12 | 12 | 8 | 3.6 | 216.0 | 11.7 | 51.1 | 994.6 |
| 03/21/2022 | 01:15:00 - 01:30:00 | 5 | 9 | 12 | 11 | 7 | 2.6 | 209.9 | 11.4 | 52.2 | 994.7 |
| 03/21/2022 | 01:30:00 - 01:45:00 | 5 | 9 | 12 | 11 | 7 | 2.4 | 216.3 | 11.3 | 52.1 | 994.6 |
| 03/21/2022 | 01:45:00 - 02:00:00 | 5 | 9 | 12 | 10 | 7 | 2.9 | 206.6 | 11.2 | 51.9 | 994.6 |
| 03/21/2022 | 02:00:00 - 02:15:00 | 4 | 9 | 11 | 11 | 7 | 2.9 | 205.1 | 11.2 | 51.2 | 994.7 |
| 03/21/2022 | 02:15:00 - 02:30:00 | 4 | 8 | 11 | 10 | 7 | 2.7 | 204.2 | 11.4 | 50.1 | 994.7 |
| 03/21/2022 | 02:30:00 - 02:45:00 | 4 | 8 | 11 | 10 | 6 | 4.4 | 205.8 | 11.7 | 48.8 | 994.7 |
| 03/21/2022 | 02:45:00 - 03:00:00 | 4 | 7 | 11 | 10 | 6 | 4.0 | 208.1 | 11.9 | 48.0 | 994.6 |
| 03/21/2022 | 03:00:00 - 03:15:00 | 4 | 7 | 11 | 10 | 5 | 3.6 | 209.3 | 11.8 | 48.7 | 994.7 |
| 03/21/2022 | 03:15:00 - 03:30:00 | 4 | 7 | 11 | 10 | 5 | 4.4 | 207.9 | 11.7 | 48.2 | 994.7 |
| 03/21/2022 | 03:30:00 - 03:45:00 | 4 | 7 | 10 | 10 | 5 | 4.2 | 209.6 | 11.9 | 46.9 | 994.6 |
| 03/21/2022 | 03:45:00 - 04:00:00 | 4 | 7 | 10 | 9 | 4 | 3.9 | 196.8 | 12.3 | 45.6 | 994.5 |
| 03/21/2022 | 04:00:00 - 04:15:00 | 4 | 7 | 10 | 9 | 5 | 3.6 | 205.9 | 12.2 | 45.9 | 994.5 |
| 03/21/2022 | 04:15:00 - 04:30:00 | 4 | 7 | 10 | 9 | 5 | 4.4 | 201.4 | 12.1 | 46.0 | 994.5 |
| 03/21/2022 | 04:30:00 - 04:45:00 | 4 | 7 | 10 | 9 | 4 | 3.2 | 192.7 | 11.9 | 46.2 | 994.5 |
| 03/21/2022 | 04:45:00 - 05:00:00 | 4 | 8 | 10 | 9 | 4 | 2.0 | 172.3 | 11.6 | 47.6 | 994.6 |
| 03/21/2022 | 05:00:00 - 05:15:00 | 4 | 7 | 11 | 10 | 5 | 1.5 | 173.3 | 10.9 | 50.5 | 994.6 |
| 03/21/2022 | 05:15:00 - 05:30:00 | 4 | 8 | 11 | 10 | 5 | 1.5 | 172.4 | 10.0 | 53.5 | 994.6 |
| 03/21/2022 | 05:30:00 - 05:45:00 | 4 | 8 | 11 | 10 | 5 | 1.4 | 153.9 | 9.6 | 55.4 | 994.7 |
| 03/21/2022 | 05:45:00 - 06:00:00 | 4 | 7 | 11 | 10 | 6 | 1.9 | 154.9 | 9.4 | 56.4 | 994.7 |
| 03/21/2022 | 06:00:00 - 06:15:00 | 4 | 7 | 11 | 10 | 6 | 2.0 | 175.4 | 9.0 | 57.2 | 994.9 |
| 03/21/2022 | 06:15:00 - 06:30:00 | 4 | 7 | 11 | 11 | 7 | 1.6 | 161.4 | 8.8 | 58.7 | 994.9 |
| 03/21/2022 | 06:30:00 - 06:45:00 | 4 | 7 | 11 | 10 | 7 | 1.5 | 157.2 | 8.5 | 59.7 | 995.0 |
| 03/21/2022 | 06:45:00 - 07:00:00 | 4 | 7 | 11 | 10 | 5 | 2.2 | 154.7 | 8.2 | 60.8 | 995.1 |
| 03/21/2022 | 07:00:00 - 07:15:00 | 4 | 7 | 11 | 10 | 6 | 1.9 | 153.6 | 8.3 | 60.6 | 995.1 |
| 03/21/2022 | 07:15:00 - 07:30:00 | 4 | 7 | 11 | 10 | 5 | 2.6 | 177.5 | 8.7 | 58.8 | 995.2 |
| 03/21/2022 | 07:30:00 - 07:45:00 | 4 | 7 | 11 | 10 | 5 | 2.2 | 178.8 | 9.0 | 58.0 | 995.2 |
| 03/21/2022 | 07:45:00 - 08:00:00 | 3 | 7 | 11 | 10 | 5 | 2.0 | 154.5 | 9.1 | 57.8 | 995.3 |
| 03/21/2022 | 08:00:00 - 08:15:00 | 3 | 6 | 10 | 11 | 5 | 2.2 | 167.4 | 9.6 | 57.0 | 995.4 |
| 03/21/2022 | 08:15:00 - 08:30:00 | 4 | 6 | 10 | 14 | 7 | 1.9 | 166.2 | 10.3 | 56.3 | 995.4 |
| 03/21/2022 | 08:30:00 - 08:45:00 | 4 | 7 | 10 | 11 | 9 | 2.1 | 170.7 | 11.2 | 55.2 | 995.4 |
| 03/21/2022 | 08:45:00 - 09:00:00 | 3 | 7 | 9 | 29 | 48 | 2.2 | 183.2 | 12.2 | 53.1 | 995.5 |
| 03/21/2022 | 09:00:00 - 09:15:00 | 3 | 7 | 9 | 23 | 35 | 1.9 | 181.3 | 13.4 | 50.8 | 995.5 |
| 03/21/2022 | 09:15:00 - 09:30:00 | 3 | 6 | 8 | 8 | 2 | 2.9 | 196.1 | 14.6 | 45.3 | 995.6 |
| 03/21/2022 | 09:30:00 - 09:45:00 | 3 | 5 | 8 | 8 | 5 | 3.2 | 206.3 | 15.2 | 44.2 | 995.6 |
| 03/21/2022 | 09:45:00 - 10:00:00 | 3 | 6 | 9 | 11 | 7 | 2.2 | 192.9 | 16.1 | 44.0 | 995.6 |
| 03/21/2022 | 10:00:00 - 10:15:00 | 5 | 9 | 12 | 16 | 13 | 3.5 | 202.5 | 16.4 | 44.1 | 995.6 |
| 03/21/2022 | 10:15:00 - 10:30:00 | 5 | 9 | 12 | 13 | 10 | 3.8 | 202.9 | 16.9 | 44.9 | 995.6 |
| 03/21/2022 | 10:30:00 - 10:45:00 | 6 | 9 | 13 | 15 | 10 | 3.5 | 201.6 | 17.8 | 44.1 | 995.4 |
| 03/21/2022 | 10:45:00 - 11:00:00 | 6 | 8 | 13 | 12 | 9 | 3.2 | 199.5 | 18.1 | 43.3 | 995.3 |
| 03/21/2022 | 11:00:00 - 11:15:00 | 6 | 11 | 13 | 13 | 10 | 4.0 | 209.4 | 18.6 | 42.6 | 995.1 |
| 03/21/2022 | 11:15:00 - 11:30:00 | 6 | 8 | 12 | 13 | 11 | 4.7 | 207.7 | 18.8 | 42.4 | 995.0 |
| 03/21/2022 | 11:30:00 - 11:45:00 | 6 | 9 | 12 | 12 | 9 | 4.4 | 203.2 | 19.2 | 42.3 | 994.9 |
| 03/21/2022 | 11:45:00 - 12:00:00 | 7 | 7 | 12 | 11 | 8 | 5.5 | 208.3 | 19.5 | 41.2 | 994.7 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 03/21/2022 | 12:00:00 - 12:15:00 | 10 | 13 | 18 | 13 | 15 | 5.7 | 204.7 | 19.9 | 39.9 | 994.5 |
| 03/21/2022 | 12:15:00 - 12:30:00 | 7 | 11 | 14 | 14 | 13 | 5.6 | 205.4 | 20.5 | 39.2 | 994.2 |
| 03/21/2022 | 12:30:00 - 12:45:00 | 7 | 8 | 13 | 16 | 16 | 6.0 | 201.1 | 20.9 | 38.4 | 994.0 |
| 03/21/2022 | 12:45:00 - 13:00:00 | 7 | 13 | 13 | 13 | 11 | 4.9 | 206.8 | 21.5 | 38.3 | 993.7 |
| 03/21/2022 | 13:00:00 - 13:15:00 | 8 | 8 | 15 | 16 | 12 | 5.0 | 201.2 | 21.7 | 37.3 | 993.4 |
| 03/21/2022 | 13:15:00 - 13:30:00 | 6 | 5 | 11 | 12 | 9 | 5.2 | 207.8 | 22.0 | 36.6 | 993.1 |
| 03/21/2022 | 13:30:00 - 13:45:00 | 5 | 3 | 10 | 11 | 7 | 5.5 | 208.1 | 21.9 | 36.5 | 992.9 |
| 03/21/2022 | 13:45:00 - 14:00:00 | 5 | 3 | 11 | 11 | 8 | 3.9 | 193.0 | 22.3 | 35.2 | 992.7 |
| 03/21/2022 | 14:00:00 - 14:15:00 | 8 | 5 | 13 | 13 | 8 | 4.3 | 196.6 | 22.6 | 33.3 | 992.4 |
| 03/21/2022 | 14:15:00 - 14:30:00 | 7 | 6 | 12 | 12 | 9 | 4.1 | 196.0 | 22.6 | 32.6 | 992.0 |
| 03/21/2022 | 14:30:00 - 14:45:00 | 6 | 4 | 11 | 12 | 8 | 3.5 | 184.2 | 22.6 | 31.5 | 991.7 |
| 03/21/2022 | 14:45:00 - 15:00:00 | 7 | 4 | 12 | 19 | 14 | 4.1 | 184.4 | 22.5 | 29.6 | 991.5 |
| 03/21/2022 | 15:00:00 - 15:15:00 | 7 | 4 | 12 | 12 | 11 | 3.6 | 184.3 | 22.8 | 29.4 | 991.2 |
| 03/21/2022 | 15:15:00 - 15:30:00 | 7 | 8 | 14 | 15 | 11 | 3.4 | 179.8 | 22.8 | 30.7 | 990.9 |
| 03/21/2022 | 15:30:00 - 15:45:00 | 8 | 5 | 14 | 13 | 9 | 2.9 | 194.1 | 23.0 | 31.5 | 990.7 |
| 03/21/2022 | 15:45:00 - 16:00:00 | 6 | 4 | 11 | 14 | 11 | 3.6 | 176.2 | 22.5 | 31.2 | 990.5 |
| 03/21/2022 | 16:00:00 - 16:15:00 | 6 | 3 | 11 | 11 | 9 | 3.5 | 169.6 | 22.3 | 30.8 | 990.2 |
| 03/21/2022 | 16:15:00 - 16:30:00 | 5 | 3 | 10 | 11 | 7 | 2.8 | 171.0 | 22.1 | 30.6 | 990.2 |
| 03/21/2022 | 16:30:00 - 16:45:00 | 6 | 4 | 10 | 12 | 10 | 3.4 | 196.4 | 21.9 | 31.7 | 990.1 |
| 03/21/2022 | 16:45:00 - 17:00:00 | 6 | 4 | 10 | 11 | 7 | 2.7 | 196.4 | 21.5 | 32.2 | 990.2 |
| 03/21/2022 | 17:00:00 - 17:15:00 | 6 | 4 | 9 | 11 | 7 | 3.0 | 188.4 | 21.3 | 33.9 | 990.1 |
| 03/21/2022 | 17:15:00 - 17:30:00 | 6 | 5 | 10 | 10 | 7 | 2.4 | 166.8 | 21.0 | 34.2 | 990.1 |
| 03/21/2022 | 17:30:00 - 17:45:00 | 6 | 5 | 10 | 11 | 7 | 1.8 | 182.4 | 20.7 | 36.3 | 990.0 |
| 03/21/2022 | 17:45:00 - 18:00:00 | 6 | 6 | 11 | 11 | 7 | 1.7 | 181.1 | 20.1 | 39.2 | 990.0 |
| 03/21/2022 | 18:00:00 - 18:15:00 | 6 | 7 | 10 | 10 | 9 | 1.4 | 160.3 | 19.6 | 40.4 | 989.8 |
| 03/21/2022 | 18:15:00 - 18:30:00 | 6 | 9 | 11 | 11 | 9 | 2.1 | 129.5 | 19.3 | 40.0 | 989.6 |
| 03/21/2022 | 18:30:00 - 18:45:00 | 7 | 10 | 13 | 12 | 10 | 2.4 | 134.5 | 19.0 | 40.0 | 989.5 |
| 03/21/2022 | 18:45:00 - 19:00:00 | 6 | 10 | 11 | 12 | 9 | 2.4 | 143.7 | 18.7 | 39.2 | 989.6 |
| 03/21/2022 | 19:00:00 - 19:15:00 | 6 | 10 | 11 | 12 | 9 | 1.6 | 140.6 | 18.2 | 39.0 | 989.6 |
| 03/21/2022 | 19:15:00 - 19:30:00 | 6 | 10 | 12 | 12 | 10 | 2.1 | 136.5 | 18.0 | 39.3 | 989.5 |
| 03/21/2022 | 19:30:00 - 19:45:00 | 6 | 10 | 11 | 11 | 9 | 2.3 | 137.3 | 17.8 | 39.9 | 989.3 |
| 03/21/2022 | 19:45:00 - 20:00:00 | 7 | 11 | 13 | 12 | 10 | 2.7 | 137.8 | 17.7 | 40.9 | 989.3 |
| 03/21/2022 | 20:00:00 - 20:15:00 | 7 | 13 | 14 | 13 | 11 | 1.9 | 140.8 | 17.1 | 44.3 | 989.4 |
| 03/21/2022 | 20:15:00 - 20:30:00 | 7 | 13 | 14 | 13 | 11 | 1.6 | 143.0 | 16.9 | 45.2 | 989.6 |
| 03/21/2022 | 20:30:00 - 20:45:00 | 8 | 15 | 15 | 15 | 14 | 1.9 | 152.9 | 16.9 | 44.7 | 989.7 |
| 03/21/2022 | 20:45:00 - 21:00:00 | 7 | 15 | 15 | 15 | 13 | 2.0 | 136.0 | 16.8 | 45.0 | 989.7 |
| 03/21/2022 | 21:00:00 - 21:15:00 | 7 | 13 | 14 | 14 | 12 | 1.8 | 139.1 | 16.8 | 44.9 | 989.7 |
| 03/21/2022 | 21:15:00 - 21:30:00 | 6 | 10 | 12 | 12 | 10 | 2.1 | 132.2 | 16.7 | 44.4 | 989.6 |
| 03/21/2022 | 21:30:00 - 21:45:00 | 6 | 10 | 12 | 12 | 9 | 1.6 | 135.8 | 16.6 | 44.3 | 989.6 |
| 03/21/2022 | 21:45:00 - 22:00:00 | 5 | 10 | 12 | 12 | 9 | 2.2 | 120.2 | 16.3 | 45.8 | 989.6 |
| 03/21/2022 | 22:00:00 - 22:15:00 | 5 | 10 | 11 | 11 | 8 | 1.8 | 119.4 | 15.7 | 48.1 | 989.8 |
| 03/21/2022 | 22:15:00 - 22:30:00 | 6 | 11 | 12 | 12 | 9 | 1.7 | 131.6 | 15.7 | 47.4 | 990.0 |
| 03/21/2022 | 22:30:00 - 22:45:00 | 6 | 12 | 13 | 12 | 9 | 1.4 | 130.2 | 15.6 | 47.7 | 990.1 |
| 03/21/2022 | 22:45:00 - 23:00:00 | 6 | 11 | 12 | 12 | 10 | 1.4 | 144.0 | 15.6 | 47.7 | 990.0 |
| 03/21/2022 | 23:00:00 - 23:15:00 | 6 | 11 | 13 | 12 | 10 | 1.1 | 149.8 | 15.4 | 47.8 | 990.0 |
| 03/21/2022 | 23:15:00 - 23:30:00 | 6 | 11 | 12 | 12 | 9 | 1.0 | 159.7 | 15.4 | 47.4 | 989.9 |
| 03/21/2022 | 23:30:00 - 23:45:00 | 6 | 12 | 13 | 12 | 10 | 1.2 | 153.3 | 15.4 | 47.2 | 989.9 |
| 03/22/2022 | 23:45:00 - 00:00:00 | 6 | 12 | 13 | 13 | 10 | 1.5 | 144.8 | 15.4 | 46.6 | 989.8 |
| 03/22/2022 | 00:00:00 - 00:15:00 | 6 | 12 | 13 | 13 | 10 | 2.1 | 121.2 | 15.4 | 46.6 | 989.6 |
| 03/22/2022 | 00:15:00 - 00:30:00 | 6 | 12 | 13 | 13 | 11 | 1.9 | 118.6 | 14.8 | 49.6 | 989.4 |
| 03/22/2022 | 00:30:00 - 00:45:00 | 6 | 11 | 13 | 13 | 10 | 2.3 | 126.8 | 14.4 | 51.2 | 989.3 |
| 03/22/2022 | 00:45:00 - 01:00:00 | 6 | 12 | 12 | 13 | 9 | 3.1 | 130.0 | 14.5 | 51.0 | 989.2 |
| 03/22/2022 | 01:00:00 - 01:15:00 | 5 | 12 | 12 | 12 | 9 | 1.6 | 115.5 | 14.2 | 52.2 | 989.0 |
| 03/22/2022 | 01:15:00 - 01:30:00 | 5 | 10 | 12 | 12 | 8 | 2.1 | 134.7 | 14.2 | 51.5 | 988.8 |
| 03/22/2022 | 01:30:00 - 01:45:00 | 5 | 11 | 12 | 12 | 9 | 2.8 | 196.3 | 14.1 | 53.8 | 989.3 |
| 03/22/2022 | 01:45:00 - 02:00:00 | 5 | 13 | 13 | 13 | 9 | 4.1 | 211.1 | 12.4 | 69.2 | 989.9 |
| 03/22/2022 | 02:00:00 - 02:15:00 | 7 | 17 | 16 | 16 | 14 | 4.4 | 202.7 | 11.0 | 81.5 | 989.8 |
| 03/22/2022 | 02:15:00 - 02:30:00 | 7 | 15 | 16 | 16 | 13 | 1.9 | 207.4 | 10.7 | 86.2 | 989.5 |
| 03/22/2022 | 02:30:00 - 02:45:00 | 7 | 15 | 16 | 16 | 13 | 2.5 | 191.6 | 10.6 | 88.8 | 989.7 |
| 03/22/2022 | 02:45:00 - 03:00:00 | 7 | 14 | 15 | 16 | 12 | 1.6 | 179.2 | 10.2 | 91.3 | 989.4 |
| 03/22/2022 | 03:00:00 - 03:15:00 | 7 | 14 | 15 | 16 | 12 | 1.5 | 172.8 | 10.1 | 92.9 | 989.3 |
| 03/22/2022 | 03:15:00 - 03:30:00 | 6 | 14 | 15 | 16 | 11 | 1.5 | 169.2 | 10.0 | 94.0 | 989.1 |
| 03/22/2022 | 03:30:00 - 03:45:00 | 6 | 12 | 14 | 15 | 10 | 1.8 | 143.1 | 10.0 | 94.0 | 988.8 |
| 03/22/2022 | 03:45:00 - 04:00:00 | 6 | 12 | 14 | 14 | 10 | 2.1 | 202.7 | 10.2 | 94.0 | 989.6 |
| 03/22/2022 | 04:00:00 - 04:15:00 | 6 | 12 | 14 | 14 | 10 | 2.5 | 193.8 | 10.1 | 94.4 | 990.2 |
| 03/22/2022 | 04:15:00 - 04:30:00 | 6 | 12 | 14 | 14 | 9 | 2.4 | 174.7 | 9.9 | 95.1 | 990.1 |
| 03/22/2022 | 04:30:00 - 04:45:00 | 6 | 12 | 14 | 14 | 9 | 1.7 | 170.0 | 9.7 | 96.2 | 989.8 |
| 03/22/2022 | 04:45:00 - 05:00:00 | 6 | 10 | 14 | 14 | 9 | 2.6 | 141.9 | 9.5 | 97.1 | 989.8 |
| 03/22/2022 | 05:00:00 - 05:15:00 | 6 | 12 | 14 | 14 | 8 | 3.9 | 128.9 | 9.3 | 97.9 | 989.3 |
| 03/22/2022 | 05:15:00 - 05:30:00 | 6 | 11 | 14 | 15 | 9 | 7.0 | 100.0 | 9.2 | 98.5 | 987.2 |
| 03/22/2022 | 05:30:00 - 05:45:00 | 5 | 11 | 13 | 14 | 8 | 4.7 | 119.6 | 9.1 | 99.0 | 987.3 |
| 03/22/2022 | 05:45:00 - 06:00:00 | 5 | 9 | 13 | 13 | 7 | 5.2 | 111.8 | 9.2 | 99.0 | 987.2 |
| 03/22/2022 | 06:00:00 - 06:15:00 | 5 | 9 | 12 | 12 | 6 | 6.4 | 108.7 | 9.3 | 99.0 | 986.6 |
| 03/22/2022 | 06:15:00 - 06:30:00 | 4 | 8 | 12 | 11 | 5 | 11.8 | 98.7 | 9.3 | 98.2 | 983.6 |
| 03/22/2022 | 06:30:00 - 06:45:00 | 4 | 9 | 12 | 11 | 6 | 10.9 | 106.1 | 9.5 | 97.7 | 982.0 |
| 03/22/2022 | 06:45:00 - 07:00:00 | 5 | 10 | 12 | 12 | 7 | 8.4 | 121.9 | 9.6 | 96.5 | 983.5 |
| 03/22/2022 | 07:00:00 - 07:15:00 | 6 | 13 | 15 | 15 | 10 | 6.2 | 113.4 | 9.8 | 95.7 | 984.7 |
| 03/22/2022 | 07:15:00 - 07:30:00 | 8 | 17 | 18 | 18 | 14 | 6.3 | 112.8 | 10.0 | 94.5 | 984.7 |
| 03/22/2022 | 07:30:00 - 07:45:00 | 7 | 16 | 17 | 68 | 13 | 6.6 | 121.0 | 10.1 | 93.5 | 985.8 |
| 03/22/2022 | 07:45:00 - 08:00:00 | 7 | 16 | 17 | 43 | 13 | 6.4 | 127.1 | 10.2 | 92.8 | 986.0 |
| 03/22/2022 | 08:00:00 - 08:15:00 | 8 | 19 | 19 | 26 | 15 | 6.3 | 129.5 | 10.5 | 91.2 | 986.3 |
| 03/22/2022 | 08:15:00 - 08:30:00 | 8 | 19 | 19 | 19 | 15 | 6.1 | 136.3 | 10.6 | 90.3 | 986.4 |
| 03/22/2022 | 08:30:00 - 08:45:00 | 8 | 19 | 19 | 19 | 16 | 5.2 | 125.7 | 10.7 | 90.1 | 986.2 |
| 03/22/2022 | 08:45:00 - 09:00:00 | 8 | 21 | 20 | 19 | 17 | 5.2 | 139.3 | 11.0 | 89.1 | 985.8 |
| 03/22/2022 | 09:00:00 - 09:15:00 | 9 | 22 | 20 | 21 | 17 | 5.2 | 132.5 | 11.1 | 88.2 | 985.4 |
| 03/22/2022 | 09:15:00 - 09:30:00 | 8 | 22 | 20 | 23 | 17 | 5.1 | 125.3 | 11.1 | 88.5 | 985.1 |
| 03/22/2022 | 09:30:00 - 09:45:00 | 8 | 22 | 20 | 46 | 18 | 5.2 | 121.7 | 11.3 | 87.7 | 985.0 |
| 03/22/2022 | 09:45:00 - 10:00:00 | 8 | 22 | 20 | 79 | 19 | 5.1 | 114.1 | 11.4 | 87.1 | 984.8 |
| 03/22/2022 | 10:00:00 - 10:15:00 | 8 | 22 | 20 | 23 | 20 | 5.4 | 130.1 | 11.4 | 86.3 | 984.6 |
| 03/22/2022 | 10:15:00 - 10:30:00 | 8 | 22 | 20 | 24 | 19 | 5.1 | 120.7 | 11.6 | 86.0 | 984.4 |
| 03/22/2022 | 10:30:00 - 10:45:00 | 8 | 22 | 20 | 23 | 19 | 4.1 | 126.7 | 11.9 | 85.0 | 984.4 |
| 03/22/2022 | 10:45:00 - 11:00:00 | 8 | 22 | 20 | 22 | 19 | 4.7 | 134.1 | 12.2 | 83.3 | 984.4 |
| 03/22/2022 | 11:00:00 - 11:15:00 | 8 | 22 | 20 | 22 | 19 | 4.4 | 138.0 | 12.3 | 82.0 | 984.5 |
| 03/22/2022 | 11:15:00 - 11:30:00 | 8 | 21 | 20 | 20 | 21 | 4.2 | 124.7 | 12.4 | 81.5 | 984.2 |
| 03/22/2022 | 11:30:00 - 11:45:00 | 9 | 21 | 20 | 52 | 23 | 4.7 | 122.6 | 12.6 | 81.2 | 983.7 |
| 03/22/2022 | 11:45:00 - 12:00:00 | 9 | 23 | 20 | 20 | 21 | 4.4 | 124.6 | 12.8 | 80.3 | 983.3 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 03/22/2022 | 12:00:00 - 12:15:00 | 9 | 23 | 21 | 34 | 29 | 5.9 | 135.3 | 12.9 | 79.1 | 983.2 |
| 03/22/2022 | 12:15:00 - 12:30:00 | 9 | 23 | 22 | 25 | 24 | 4.7 | 131.1 | 13.1 | 78.3 | 983.2 |
| 03/22/2022 | 12:30:00 - 12:45:00 | 9 | 24 | 22 | 27 | 28 | 5.8 | 136.8 | 13.4 | 76.9 | 983.2 |
| 03/22/2022 | 12:45:00 - 13:00:00 | 10 | 24 | 22 | 34 | 32 | 5.1 | 147.0 | 13.9 | 74.9 | 983.1 |
| 03/22/2022 | 13:00:00 - 13:15:00 | 11 | 24 | 25 | 30 | 31 | 4.0 | 154.4 | 14.1 | 74.7 | 982.9 |
| 03/22/2022 | 13:15:00 - 13:30:00 | 9 | 23 | 21 | 25 | 28 | 3.8 | 167.7 | 14.0 | 76.4 | 982.7 |
| 03/22/2022 | 13:30:00 - 13:45:00 | 9 | 23 | 20 | 22 | 23 | 4.9 | 155.1 | 13.5 | 79.5 | 982.6 |
| 03/22/2022 | 13:45:00 - 14:00:00 | 8 | 20 | 19 | 46 | 20 | 3.3 | 169.2 | 13.2 | 82.4 | 982.7 |
| 03/22/2022 | 14:00:00 - 14:15:00 | 8 | 21 | 20 | 20 | 20 | 4.1 | 161.2 | 13.1 | 84.3 | 982.8 |
| 03/22/2022 | 14:15:00 - 14:30:00 | 9 | 23 | 21 | 21 | 22 | 4.0 | 177.4 | 12.9 | 84.3 | 982.6 |
| 03/22/2022 | 14:30:00 - 14:45:00 | 9 | 25 | 22 | 22 | 23 | 3.3 | 151.3 | 12.7 | 85.8 | 982.4 |
| 03/22/2022 | 14:45:00 - 15:00:00 | 10 | 26 | 23 | 24 | 24 | 3.4 | 153.8 | 12.4 | 87.0 | 982.3 |
| 03/22/2022 | 15:00:00 - 15:15:00 | 10 | 29 | 24 | 25 | 26 | 3.7 | 155.1 | 12.1 | 87.5 | 982.1 |
| 03/22/2022 | 15:15:00 - 15:30:00 | 11 | 29 | 25 | 25 | 27 | 4.5 | 148.6 | 11.8 | 89.0 | 982.1 |
| 03/22/2022 | 15:30:00 - 15:45:00 | 11 | 29 | 25 | 26 | 26 | 4.9 | 140.0 | 11.6 | 90.2 | 982.2 |
| 03/22/2022 | 15:45:00 - 16:00:00 | 11 | 29 | 25 | 31 | 26 | 4.4 | 142.2 | 11.6 | 91.0 | 982.1 |
| 03/22/2022 | 16:00:00 - 16:15:00 | 11 | 29 | 26 | 26 | 26 | 5.1 | 137.7 | 11.5 | 91.0 | 981.8 |
| 03/22/2022 | 16:15:00 - 16:30:00 | 11 | 29 | 25 | 26 | 26 | 7.4 | 134.2 | 11.3 | 90.9 | 981.2 |
| 03/22/2022 | 16:30:00 - 16:45:00 | 11 | 28 | 25 | 25 | 25 | 6.5 | 131.6 | 11.2 | 91.9 | 980.7 |
| 03/22/2022 | 16:45:00 - 17:00:00 | 10 | 28 | 24 | 25 | 25 | 6.3 | 128.2 | 11.0 | 92.6 | 980.0 |
| 03/22/2022 | 17:00:00 - 17:15:00 | 10 | 27 | 24 | 24 | 24 | 6.5 | 119.2 | 11.0 | 93.5 | 979.7 |
| 03/22/2022 | 17:15:00 - 17:30:00 | 10 | 27 | 24 | 24 | 23 | 7.5 | 122.4 | 10.9 | 94.0 | 979.1 |
| 03/22/2022 | 17:30:00 - 17:45:00 | 10 | 25 | 23 | 23 | 22 | 6.9 | 113.3 | 10.8 | 94.1 | 978.5 |
| 03/22/2022 | 17:45:00 - 18:00:00 | 9 | 24 | 22 | 23 | 21 | 6.1 | 122.6 | 10.7 | 94.4 | 978.9 |
| 03/22/2022 | 18:00:00 - 18:15:00 | 9 | 24 | 22 | 22 | 20 | 7.2 | 119.6 | 10.6 | 95.0 | 978.8 |
| 03/22/2022 | 18:15:00 - 18:30:00 | 9 | 22 | 21 | 21 | 19 | 6.8 | 113.9 | 10.6 | 95.0 | 978.7 |
| 03/22/2022 | 18:30:00 - 18:45:00 | 9 | 22 | 22 | 21 | 19 | 5.9 | 109.6 | 10.7 | 95.1 | 978.6 |
| 03/22/2022 | 18:45:00 - 19:00:00 | 9 | 23 | 21 | 22 | 19 | 6.5 | 108.8 | 10.6 | 96.0 | 978.3 |
| 03/22/2022 | 19:00:00 - 19:15:00 | 9 | 21 | 20 | 21 | 18 | 9.1 | 103.1 | 10.7 | 96.0 | 977.2 |
| 03/22/2022 | 19:15:00 - 19:30:00 | 8 | 20 | 20 | 20 | 17 | 9.7 | 101.3 | 10.9 | 95.7 | 976.3 |
| 03/22/2022 | 19:30:00 - 19:45:00 | 8 | 19 | 19 | 20 | 16 | 6.5 | 113.1 | 11.3 | 94.6 | 976.9 |
| 03/22/2022 | 19:45:00 - 20:00:00 | 8 | 20 | 19 | 19 | 17 | 5.9 | 115.6 | 11.4 | 94.0 | 977.1 |
| 03/22/2022 | 20:00:00 - 20:15:00 | 8 | 20 | 19 | 19 | 16 | 5.7 | 118.0 | 11.6 | 93.0 | 977.2 |
| 03/22/2022 | 20:15:00 - 20:30:00 | 8 | 20 | 19 | 19 | 16 | 5.2 | 115.8 | 11.7 | 92.0 | 977.4 |
| 03/22/2022 | 20:30:00 - 20:45:00 | 8 | 21 | 20 | 19 | 17 | 5.4 | 103.1 | 11.6 | 92.0 | 977.3 |
| 03/22/2022 | 20:45:00 - 21:00:00 | 9 | 22 | 21 | 21 | 18 | 3.3 | 119.7 | 11.5 | 92.0 | 977.4 |
| 03/22/2022 | 21:00:00 - 21:15:00 | 9 | 23 | 21 | 21 | 19 | 3.3 | 123.1 | 11.4 | 93.0 | 977.3 |
| 03/22/2022 | 21:15:00 - 21:30:00 | 9 | 22 | 21 | 21 | 19 | 4.6 | 122.3 | 11.4 | 93.0 | 977.1 |
| 03/22/2022 | 21:30:00 - 21:45:00 | 8 | 20 | 20 | 20 | 17 | 4.0 | 127.6 | 11.4 | 93.0 | 976.9 |
| 03/22/2022 | 21:45:00 - 22:00:00 | 8 | 21 | 19 | 20 | 17 | 4.9 | 132.8 | 11.2 | 93.6 | 976.8 |
| 03/22/2022 | 22:00:00 - 22:15:00 | 8 | 20 | 20 | 20 | 17 | 4.5 | 128.3 | 10.8 | 95.6 | 976.5 |
| 03/22/2022 | 22:15:00 - 22:30:00 | 9 | 21 | 21 | 21 | 18 | 3.9 | 116.3 | 10.6 | 96.6 | 975.9 |
| 03/22/2022 | 22:30:00 - 22:45:00 | 9 | 23 | 22 | 23 | 20 | 3.5 | 110.4 | 10.5 | 97.4 | 975.6 |
| 03/22/2022 | 22:45:00 - 23:00:00 | 10 | 26 | 23 | 24 | 22 | 4.8 | 103.8 | 10.5 | 98.0 | 975.3 |
| 03/22/2022 | 23:00:00 - 23:15:00 | 11 | 28 | 26 | 28 | 25 | 5.6 | 102.9 | 10.4 | 98.0 | 975.0 |
| 03/22/2022 | 23:15:00 - 23:30:00 | 12 | 29 | 27 | 29 | 26 | 4.6 | 122.9 | 10.4 | 98.1 | 974.8 |
| 03/22/2022 | 23:30:00 - 23:45:00 | 11 | 29 | 26 | 28 | 25 | 4.6 | 131.1 | 10.5 | 99.0 | 974.8 |
| 03/23/2022 | 23:45:00 - 00:00:00 | 11 | 28 | 26 | 29 | 26 | 4.2 | 140.3 | 10.6 | 99.0 | 974.7 |
| 03/23/2022 | 00:00:00 - 00:15:00 | 12 | 29 | 27 | 30 | 27 | 2.7 | 133.3 | 10.8 | 99.8 | 974.6 |
| 03/23/2022 | 00:15:00 - 00:30:00 | 12 | 29 | 27 | 30 | 27 | 3.0 | 147.9 | 11.1 | 100.0 | 974.5 |
| 03/23/2022 | 00:30:00 - 00:45:00 | 12 | 30 | 28 | 32 | 29 | 2.6 | 153.5 | 11.2 | 100.0 | 974.5 |
| 03/23/2022 | 00:45:00 - 01:00:00 | 13 | 33 | 30 | 34 | 31 | 2.4 | 172.7 | 11.3 | 100.0 | 974.2 |
| 03/23/2022 | 01:00:00 - 01:15:00 | 12 | 31 | 29 | 32 | 29 | 2.4 | 192.6 | 11.4 | 100.0 | 974.1 |
| 03/23/2022 | 01:15:00 - 01:30:00 | 11 | 28 | 26 | 29 | 26 | 2.7 | 186.9 | 11.5 | 100.0 | 973.9 |
| 03/23/2022 | 01:30:00 - 01:45:00 | 10 | 24 | 24 | 26 | 22 | 3.2 | 191.2 | 11.5 | 100.0 | 973.9 |
| 03/23/2022 | 01:45:00 - 02:00:00 | 10 | 23 | 23 | 26 | 21 | 2.5 | 188.1 | 11.5 | 100.0 | 973.6 |
| 03/23/2022 | 02:00:00 - 02:15:00 | 9 | 23 | 23 | 25 | 21 | 2.5 | 183.3 | 11.4 | 100.0 | 973.7 |
| 03/23/2022 | 02:15:00 - 02:30:00 | 9 | 23 | 23 | 25 | 21 | 2.8 | 197.5 | 11.5 | 100.0 | 973.7 |
| 03/23/2022 | 02:30:00 - 02:45:00 | 9 | 22 | 22 | 25 | 20 | 3.4 | 202.5 | 11.6 | 100.0 | 973.6 |
| 03/23/2022 | 02:45:00 - 03:00:00 | 9 | 20 | 21 | 23 | 18 | 4.6 | 203.9 | 11.7 | 100.0 | 973.4 |
| 03/23/2022 | 03:00:00 - 03:15:00 | 8 | 19 | 19 | 22 | 16 | 3.9 | 203.5 | 11.7 | 100.0 | 973.2 |
| 03/23/2022 | 03:15:00 - 03:30:00 | 8 | 18 | 19 | 20 | 15 | 4.3 | 201.7 | 11.7 | 100.0 | 973.0 |
| 03/23/2022 | 03:30:00 - 03:45:00 | 8 | 17 | 18 | 20 | 14 | 3.4 | 203.4 | 11.7 | 100.0 | 972.9 |
| 03/23/2022 | 03:45:00 - 04:00:00 | 7 | 17 | 18 | 19 | 14 | 3.9 | 204.4 | 11.7 | 99.7 | 972.8 |
| 03/23/2022 | 04:00:00 - 04:15:00 | 8 | 18 | 18 | 19 | 15 | 2.8 | 204.3 | 11.6 | 99.0 | 972.9 |
| 03/23/2022 | 04:15:00 - 04:30:00 | 8 | 18 | 19 | 19 | 15 | 3.8 | 203.2 | 11.5 | 99.0 | 973.1 |
| 03/23/2022 | 04:30:00 - 04:45:00 | 8 | 19 | 20 | 20 | 16 | 3.0 | 201.8 | 11.5 | 99.0 | 973.3 |
| 03/23/2022 | 04:45:00 - 05:00:00 | 9 | 21 | 21 | 22 | 18 | 2.5 | 197.5 | 11.5 | 99.0 | 973.3 |
| 03/23/2022 | 05:00:00 - 05:15:00 | 9 | 22 | 22 | 23 | 19 | 2.7 | 191.4 | 11.5 | 99.0 | 973.4 |
| 03/23/2022 | 05:15:00 - 05:30:00 | 10 | 25 | 24 | 25 | 21 | 2.4 | 199.2 | 11.5 | 99.0 | 973.4 |
| 03/23/2022 | 05:30:00 - 05:45:00 | 11 | 26 | 25 | 27 | 23 | 2.6 | 202.2 | 11.6 | 99.0 | 973.3 |
| 03/23/2022 | 05:45:00 - 06:00:00 | 9 | 22 | 22 | 23 | 19 | 2.4 | 197.5 | 11.6 | 99.0 | 973.2 |
| 03/23/2022 | 06:00:00 - 06:15:00 | 10 | 24 | 24 | 24 | 21 | 2.1 | 195.9 | 11.6 | 99.0 | 973.2 |
| 03/23/2022 | 06:15:00 - 06:30:00 | 12 | 28 | 27 | 28 | 25 | 1.7 | 172.5 | 11.5 | 99.0 | 973.2 |
| 03/23/2022 | 06:30:00 - 06:45:00 | 12 | 29 | 27 | 29 | 26 | 1.5 | 187.7 | 11.5 | 99.0 | 973.3 |
| 03/23/2022 | 06:45:00 - 07:00:00 | 11 | 27 | 26 | 27 | 24 | 1.2 | 183.5 | 11.4 | 99.0 | 973.4 |
| 03/23/2022 | 07:00:00 - 07:15:00 | 11 | 25 | 25 | 27 | 23 | 1.2 | 169.8 | 11.4 | 99.0 | 973.4 |
| 03/23/2022 | 07:15:00 - 07:30:00 | 11 | 26 | 26 | 30 | 24 | 1.5 | 195.6 | 11.5 | 99.0 | 973.5 |
| 03/23/2022 | 07:30:00 - 07:45:00 | 12 | 32 | 27 | 29 | 25 | 1.6 | 186.5 | 11.5 | 99.0 | 973.5 |
| 03/23/2022 | 07:45:00 - 08:00:00 | 12 | 27 | 27 | 29 | 26 | 1.8 | 176.5 | 11.6 | 99.0 | 973.5 |
| 03/23/2022 | 08:00:00 - 08:15:00 | 12 | 28 | 27 | 34 | 26 | 1.7 | 178.2 | 11.7 | 99.0 | 973.4 |
| 03/23/2022 | 08:15:00 - 08:30:00 | 11 | 25 | 25 | 29 | 23 | 1.9 | 160.4 | 12.2 | 97.8 | 973.2 |
| 03/23/2022 | 08:30:00 - 08:45:00 | 9 | 25 | 24 | 24 | 20 | 2.5 | 186.1 | 12.3 | 96.7 | 973.1 |
| 03/23/2022 | 08:45:00 - 09:00:00 | 12 | 21 | 21 | 20 | 18 | 2.0 | 199.7 | 12.4 | 96.2 | 972.8 |
| 03/23/2022 | 09:00:00 - 09:15:00 | 9 | 20 | 20 | 21 | 17 | 2.0 | 182.3 | 12.8 | 95.2 | 972.7 |
| 03/23/2022 | 09:15:00 - 09:30:00 | 7 | 15 | 16 | 16 | 12 | 1.7 | 174.4 | 12.9 | 95.0 | 972.7 |
| 03/23/2022 | 09:30:00 - 09:45:00 | 5 | 10 | 11 | 15 | 7 | 1.7 | 165.4 | 13.2 | 94.6 | 972.6 |
| 03/23/2022 | 09:45:00 - 10:00:00 | 4 | 11 | 11 | 12 | 7 | 1.6 | 163.3 | 13.1 | 94.5 | 972.7 |
| 03/23/2022 | 10:00:00 - 10:15:00 | 4 | 10 | 11 | 12 | 7 | 2.1 | 182.9 | 12.8 | 96.2 | 972.6 |
| 03/23/2022 | 10:15:00 - 10:30:00 | 4 | 10 | 11 | 11 | 7 | 1.7 | 180.6 | 12.9 | 97.0 | 972.6 |
| 03/23/2022 | 10:30:00 - 10:45:00 | 4 | 10 | 10 | 10 | 5 | 1.5 | 191.6 | 12.9 | 97.0 | 972.5 |
| 03/23/2022 | 10:45:00 - 11:00:00 | 3 | 6 | 8 | 8 | 2 | 2.3 | 191.3 | 13.2 | 97.2 | 972.4 |
| 03/23/2022 | 11:00:00 - 11:15:00 | 2 | 6 | 7 | 7 | 1 | 2.3 | 184.1 | 13.5 | 95.8 | 972.2 |
| 03/23/2022 | 11:15:00 - 11:30:00 | 2 | 4 | 7 | 8 | 1 | 2.1 | 191.5 | 13.4 | 95.7 | 972.0 |
| 03/23/2022 | 11:30:00 - 11:45:00 | 3 | 3 | 7 | 8 | 1 | 2.4 | 196.4 | 13.7 | 94.5 | 971.9 |
| 03/23/2022 | 11:45:00 - 12:00:00 | 3 | 3 | 7 | 7 | 2 | 2.6 | 203.2 | 14.0 | 89.1 | 971.7 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 03/23/2022 | 12:00:00 - 12:15:00 | 3 | 5 | 8 | 7 | 2 | 4.2 | 211.6 | 14.2 | 84.8 | 971.6 |
| 03/23/2022 | 12:15:00 - 12:30:00 | 3 | 41 | 8 | 8 | 3 | 3.9 | 196.4 | 14.6 | 82.7 | 971.5 |
| 03/23/2022 | 12:30:00 - 12:45:00 | 3 | 28 | 8 | 14 | 4 | 6.9 | 207.6 | 13.0 | 82.9 | 971.7 |
| 03/23/2022 | 12:45:00 - 13:00:00 | 3 | 11 | 6 | 6 | 1 | 6.2 | 209.0 | 13.0 | 82.8 | 971.8 |
| 03/23/2022 | 13:00:00 - 13:15:00 | 2 | 11 | 6 | 6 | 1 | 6.1 | 211.9 | 14.0 | 79.9 | 971.7 |
| 03/23/2022 | 13:15:00 - 13:30:00 | 2 | 8 | 6 | 6 | 1 | 5.4 | 209.3 | 14.1 | 77.9 | 971.6 |
| 03/23/2022 | 13:30:00 - 13:45:00 | 3 | 16 | 7 | 7 | 2 | 4.6 | 214.9 | 13.8 | 78.1 | 971.7 |
| 03/23/2022 | 13:45:00 - 14:00:00 | 4 | 10 | 8 | 8 | 4 | 2.8 | 238.3 | 12.7 | 81.0 | 971.9 |
| 03/23/2022 | 14:00:00 - 14:15:00 | 4 | 6 | 9 | 8 | 4 | 2.5 | 213.5 | 12.2 | 82.1 | 972.0 |
| 03/23/2022 | 14:15:00 - 14:30:00 | 5 | 8 | 10 | 8 | 5 | 3.8 | 221.3 | 12.1 | 83.5 | 972.0 |
| 03/23/2022 | 14:30:00 - 14:45:00 | 4 | 18 | 10 | 9 | 5 | 4.5 | 208.9 | 12.1 | 83.4 | 972.1 |
| 03/23/2022 | 14:45:00 - 15:00:00 | 4 | 6 | 9 | 9 | 5 | 5.2 | 203.7 | 11.5 | 85.2 | 972.4 |
| 03/23/2022 | 15:00:00 - 15:15:00 | 3 | 3 | 3 | 5 | 2 | 5.6 | 205.3 | 11.3 | 83.1 | 972.6 |
| 03/23/2022 | 15:15:00 - 15:30:00 | 3 | 2 | 3 | 3 | 1 | 7.8 | 203.5 | 11.0 | 83.1 | 972.6 |
| 03/23/2022 | 15:30:00 - 15:45:00 | 3 | 2 | 2 | 3 | 0 | 6.5 | 209.5 | 9.6 | 88.6 | 973.0 |
| 03/23/2022 | 15:45:00 - 16:00:00 | 2 | 1 | 2 | 2 | 0 | 5.3 | 202.1 | 9.3 | 92.0 | 973.2 |
| 03/23/2022 | 16:00:00 - 16:15:00 | 2 | 0 | 2 | 2 | 0 | 4.7 | 212.5 | 9.4 | 92.2 | 973.3 |
| 03/23/2022 | 16:15:00 - 16:30:00 | 2 | 0 | 2 | 2 | 0 | 4.9 | 202.0 | 9.7 | 90.4 | 973.4 |
| 03/23/2022 | 16:30:00 - 16:45:00 | 2 | 1 | 2 | 2 | 0 | 5.8 | 197.3 | 9.2 | 91.9 | 973.7 |
| 03/23/2022 | 16:45:00 - 17:00:00 | 3 | 1 | 2 | 2 | 0 | 5.6 | 205.5 | 8.9 | 93.5 | 973.9 |
| 03/23/2022 | 17:00:00 - 17:15:00 | 2 | 0 | 2 | 2 | 0 | 5.3 | 209.2 | 9.1 | 93.0 | 974.0 |
| 03/23/2022 | 17:15:00 - 17:30:00 | 2 | 0 | 2 | 2 | 0 | 5.7 | 205.7 | 9.3 | 90.9 | 974.1 |
| 03/23/2022 | 17:30:00 - 17:45:00 | 4 | 1 | 3 | 3 | 0 | 4.8 | 201.2 | 9.4 | 90.9 | 974.4 |
| 03/23/2022 | 17:45:00 - 18:00:00 | 3 | 1 | 3 | 3 | 0 | 3.8 | 207.9 | 9.3 | 91.4 | 974.5 |
| 03/23/2022 | 18:00:00 - 18:15:00 | 3 | 1 | 3 | 3 | 0 | 4.4 | 201.5 | 9.3 | 91.1 | 974.7 |
| 03/23/2022 | 18:15:00 - 18:30:00 | 3 | 1 | 3 | 2 | 0 | 4.8 | 202.3 | 9.2 | 91.0 | 974.9 |
| 03/23/2022 | 18:30:00 - 18:45:00 | 2 | 0 | 2 | 2 | 0 | 5.9 | 205.0 | 9.0 | 91.2 | 975.2 |
| 03/23/2022 | 18:45:00 - 19:00:00 | 2 | 0 | 2 | 2 | 0 | 5.3 | 207.3 | 8.8 | 90.6 | 975.4 |
| 03/23/2022 | 19:00:00 - 19:15:00 | 1 | 0 | 1 | 1 | 0 | 5.3 | 198.3 | 8.5 | 91.1 | 975.7 |
| 03/23/2022 | 19:15:00 - 19:30:00 | 1 | 0 | 1 | 1 | 0 | 5.9 | 203.6 | 7.8 | 93.8 | 976.0 |
| 03/23/2022 | 19:30:00 - 19:45:00 | 1 | 0 | 1 | 1 | 0 | 7.1 | 210.7 | 7.3 | 96.5 | 976.1 |
| 03/23/2022 | 19:45:00 - 20:00:00 | 1 | 0 | 1 | 1 | 0 | 6.1 | 206.2 | 7.1 | 97.5 | 976.3 |
| 03/23/2022 | 20:00:00 - 20:15:00 | 1 | 0 | 2 | 1 | 0 | 8.1 | 207.5 | 6.9 | 98.0 | 976.6 |
| 03/23/2022 | 20:15:00 - 20:30:00 | 1 | 0 | 2 | 1 | 0 | 6.4 | 207.9 | 6.9 | 98.0 | 976.9 |
| 03/23/2022 | 20:30:00 - 20:45:00 | 1 | 0 | 2 | 1 | 0 | 7.2 | 213.0 | 6.9 | 98.0 | 977.0 |
| 03/23/2022 | 20:45:00 - 21:00:00 | 1 | 0 | 2 | 1 | 0 | 6.8 | 216.7 | 6.9 | 97.9 | 977.1 |
| 03/23/2022 | 21:00:00 - 21:15:00 | 1 | 0 | 2 | 1 | 0 | 6.7 | 205.8 | 6.7 | 97.8 | 977.3 |
| 03/23/2022 | 21:15:00 - 21:30:00 | 1 | 0 | 2 | 1 | 0 | 7.3 | 209.7 | 6.6 | 97.5 | 977.4 |
| 03/23/2022 | 21:30:00 - 21:45:00 | 1 | 0 | 2 | 1 | 0 | 7.9 | 208.6 | 6.5 | 96.8 | 977.5 |
| 03/23/2022 | 21:45:00 - 22:00:00 | 1 | 0 | 2 | 2 | 0 | 8.2 | 208.2 | 6.4 | 95.6 | 977.6 |
| 03/23/2022 | 22:00:00 - 22:15:00 | 2 | 0 | 2 | 2 | 0 | 8.8 | 209.1 | 6.3 | 94.1 | 977.7 |
| 03/23/2022 | 22:15:00 - 22:30:00 | 2 | 0 | 2 | 2 | 0 | 8.6 | 214.5 | 6.1 | 93.6 | 977.7 |
| 03/23/2022 | 22:30:00 - 22:45:00 | 2 | 0 | 3 | 2 | 0 | 8.0 | 212.4 | 6.0 | 93.1 | 977.8 |
| 03/23/2022 | 22:45:00 - 23:00:00 | 2 | 0 | 2 | 2 | 0 | 7.3 | 215.4 | 5.8 | 93.0 | 977.9 |
| 03/23/2022 | 23:00:00 - 23:15:00 | 2 | 0 | 3 | 2 | 0 | 6.1 | 206.0 | 5.8 | 93.0 | 978.0 |
| 03/23/2022 | 23:15:00 - 23:30:00 | 2 | 0 | 3 | 2 | 0 | 5.9 | 200.4 | 5.7 | 93.5 | 978.0 |
| 03/23/2022 | 23:30:00 - 23:45:00 | 2 | 0 | 3 | 2 | 0 | 7.5 | 203.2 | 5.6 | 93.8 | 978.0 |
| 03/24/2022 | 23:45:00 - 00:00:00 | 2 | 0 | 3 | 2 | 0 | 6.9 | 203.9 | 5.4 | 94.0 | 978.1 |
| 03/24/2022 | 00:00:00 - 00:15:00 | 2 | 0 | 3 | 2 | 0 | 6.5 | 207.1 | 5.4 | 94.0 | 978.1 |
| 03/24/2022 | 00:15:00 - 00:30:00 | 2 | 0 | 2 | 2 | 0 | 4.9 | 203.2 | 5.3 | 94.6 | 978.2 |
| 03/24/2022 | 00:30:00 - 00:45:00 | 2 | 0 | 2 | 2 | 0 | 5.3 | 201.0 | 5.2 | 95.0 | 978.3 |
| 03/24/2022 | 00:45:00 - 01:00:00 | 2 | 0 | 3 | 2 | 0 | 6.8 | 204.2 | 5.1 | 94.9 | 978.4 |
| 03/24/2022 | 01:00:00 - 01:15:00 | 2 | 0 | 3 | 2 | 0 | 5.8 | 205.6 | 5.0 | 95.9 | 978.4 |
| 03/24/2022 | 01:15:00 - 01:30:00 | 2 | 0 | 3 | 2 | 0 | 4.7 | 203.6 | 4.9 | 96.0 | 978.6 |
| 03/24/2022 | 01:30:00 - 01:45:00 | 2 | 0 | 3 | 2 | 0 | 5.0 | 196.8 | 4.9 | 96.0 | 978.8 |
| 03/24/2022 | 01:45:00 - 02:00:00 | 2 | 0 | 3 | 3 | 0 | 5.5 | 197.0 | 4.8 | 96.0 | 978.9 |
| 03/24/2022 | 02:00:00 - 02:15:00 | 2 | 0 | 3 | 3 | 0 | 5.0 | 192.6 | 4.8 | 96.0 | 979.0 |
| 03/24/2022 | 02:15:00 - 02:30:00 | 2 | 0 | 3 | 3 | 0 | 3.3 | 193.7 | 4.8 | 96.0 | 979.1 |
| 03/24/2022 | 02:30:00 - 02:45:00 | 2 | 0 | 3 | 2 | 0 | 4.9 | 201.2 | 4.7 | 95.8 | 979.2 |
| 03/24/2022 | 02:45:00 - 03:00:00 | 2 | 0 | 3 | 2 | 0 | 3.0 | 196.3 | 4.8 | 95.0 | 979.2 |
| 03/24/2022 | 03:00:00 - 03:15:00 | 2 | 0 | 3 | 2 | 0 | 3.0 | 193.5 | 4.8 | 94.3 | 979.2 |
| 03/24/2022 | 03:15:00 - 03:30:00 | 2 | 0 | 2 | 2 | 0 | 5.5 | 197.4 | 4.7 | 93.1 | 979.2 |
| 03/24/2022 | 03:30:00 - 03:45:00 | 1 | 0 | 2 | 2 | 0 | 3.4 | 197.2 | 4.6 | 92.8 | 979.4 |
| 03/24/2022 | 03:45:00 - 04:00:00 | 1 | 0 | 2 | 1 | 0 | 3.6 | 188.1 | 4.5 | 92.3 | 979.4 |
| 03/24/2022 | 04:00:00 - 04:15:00 | 1 | 0 | 2 | 1 | 0 | 5.5 | 201.5 | 4.4 | 93.0 | 979.5 |
| 03/24/2022 | 04:15:00 - 04:30:00 | 1 | 0 | 2 | 1 | 0 | 4.0 | 196.8 | 4.2 | 94.1 | 979.4 |
| 03/24/2022 | 04:30:00 - 04:45:00 | 2 | 0 | 2 | 2 | 0 | 2.9 | 189.6 | 4.1 | 95.0 | 979.5 |
| 03/24/2022 | 04:45:00 - 05:00:00 | 1 | 0 | 2 | 2 | 0 | 4.3 | 188.1 | 4.1 | 94.9 | 979.6 |
| 03/24/2022 | 05:00:00 - 05:15:00 | 1 | 0 | 2 | 1 | 0 | 4.1 | 180.9 | 4.0 | 94.6 | 979.7 |
| 03/24/2022 | 05:15:00 - 05:30:00 | 1 | 0 | 2 | 1 | 0 | 4.4 | 191.6 | 4.0 | 95.2 | 979.8 |
| 03/24/2022 | 05:30:00 - 05:45:00 | 2 | 0 | 3 | 2 | 0 | 4.3 | 195.8 | 4.0 | 96.0 | 979.9 |
| 03/24/2022 | 05:45:00 - 06:00:00 | 2 | 0 | 3 | 2 | 0 | 5.0 | 193.4 | 3.9 | 96.3 | 979.9 |
| 03/24/2022 | 06:00:00 - 06:15:00 | 2 | 0 | 3 | 2 | 0 | 5.2 | 188.9 | 3.8 | 97.5 | 980.0 |
| 03/24/2022 | 06:15:00 - 06:30:00 | 2 | 1 | 3 | 2 | 0 | 4.8 | 187.1 | 3.8 | 98.0 | 980.1 |
| 03/24/2022 | 06:30:00 - 06:45:00 | 2 | 0 | 3 | 2 | 0 | 5.1 | 183.8 | 3.6 | 97.5 | 980.3 |
| 03/24/2022 | 06:45:00 - 07:00:00 | 1 | 0 | 2 | 2 | 0 | 5.6 | 175.5 | 3.3 | 97.0 | 980.5 |
| 03/24/2022 | 07:00:00 - 07:15:00 | 1 | 0 | 2 | 1 | 0 | 6.6 | 186.4 | 2.9 | 97.0 | 980.6 |
| 03/24/2022 | 07:15:00 - 07:30:00 | 1 | 2 | 2 | 1 | 0 | 6.1 | 184.9 | 2.7 | 97.0 | 980.7 |
| 03/24/2022 | 07:30:00 - 07:45:00 | 1 | 5 | 2 | 1 | 0 | 5.8 | 184.5 | 2.7 | 97.5 | 980.8 |
| 03/24/2022 | 07:45:00 - 08:00:00 | 1 | 4 | 2 | 1 | 0 | 5.9 | 188.6 | 2.6 | 98.3 | 980.8 |
| 03/24/2022 | 08:00:00 - 08:15:00 | 1 | 2 | 2 | 1 | 0 | 5.5 | 197.8 | 2.9 | 99.0 | 980.9 |
| 03/24/2022 | 08:15:00 - 08:30:00 | 1 | 0 | 2 | 1 | 0 | 4.8 | 190.5 | 3.2 | 98.2 | 980.8 |
| 03/24/2022 | 08:30:00 - 08:45:00 | 1 | 2 | 2 | 1 | 0 | 5.0 | 186.4 | 3.7 | 98.0 | 980.8 |
| 03/24/2022 | 08:45:00 - 09:00:00 | 1 | 1 | 2 | 1 | 0 | 5.6 | 184.4 | 3.9 | 97.3 | 980.8 |
| 03/24/2022 | 09:00:00 - 09:15:00 | 1 | 1 | 2 | 1 | 0 | 5.7 | 190.8 | 4.0 | 96.0 | 980.9 |
| 03/24/2022 | 09:15:00 - 09:30:00 | 1 | 3 | 2 | 1 | 0 | 4.6 | 192.3 | 4.1 | 95.3 | 980.9 |
| 03/24/2022 | 09:30:00 - 09:45:00 | 1 | 1 | 2 | 1 | 0 | 5.4 | 191.8 | 4.2 | 94.8 | 980.9 |
| 03/24/2022 | 09:45:00 - 10:00:00 | 1 | 0 | 2 | 1 | 0 | 4.9 | 194.9 | 4.5 | 93.7 | 980.9 |
| 03/24/2022 | 10:00:00 - 10:15:00 | 1 | 0 | 2 | 1 | 0 | 5.0 | 193.4 | 4.6 | 93.6 | 981.0 |
| 03/24/2022 | 10:15:00 - 10:30:00 | 1 | 1 | 2 | 1 | 0 | 5.6 | 191.8 | 4.7 | 93.6 | 981.0 |
| 03/24/2022 | 10:30:00 - 10:45:00 | 1 | 1 | 2 | 1 | 0 | 4.5 | 197.2 | 4.9 | 93.1 | 980.9 |
| 03/24/2022 | 10:45:00 - 11:00:00 | 1 | 2 | 2 | 1 | 0 | 3.8 | 200.7 | 5.3 | 91.8 | 980.8 |
| 03/24/2022 | 11:00:00 - 11:15:00 | 1 | 1 | 2 | 1 | 0 | 5.4 | 203.8 | 5.6 | 89.3 | 980.8 |
| 03/24/2022 | 11:15:00 - 11:30:00 | 1 | 1 | 2 | 1 | 0 | 4.4 | 202.2 | 5.4 | 89.7 | 980.8 |
| 03/24/2022 | 11:30:00 - 11:45:00 | 1 | 1 | 2 | 1 | 0 | 4.5 | 198.8 | 5.3 | 89.4 | 980.8 |
| 03/24/2022 | 11:45:00 - 12:00:00 | 1 | 0 | 2 | 1 | 0 | 2.5 | 224.1 | 5.7 | 89.0 | 980.7 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 03/24/2022 | 12:00:00 - 12:15:00 | 2 | 0 | 2 | 1 | 0 | 3.4 | 200.3 | 5.7 | 90.1 | 980.8 |
| 03/24/2022 | 12:15:00 - 12:30:00 | 1 | 1 | 2 | 1 | 0 | 3.2 | 203.0 | 5.7 | 89.8 | 980.9 |
| 03/24/2022 | 12:30:00 - 12:45:00 | 1 | 2 | 2 | 1 | 0 | 2.7 | 208.3 | 5.1 | 90.8 | 980.9 |
| 03/24/2022 | 12:45:00 - 13:00:00 | 1 | 1 | 2 | 1 | 0 | 3.2 | 207.2 | 5.4 | 90.0 | 981.0 |
| 03/24/2022 | 13:00:00 - 13:15:00 | 1 | 0 | 2 | 1 | 0 | 3.4 | 191.1 | 5.2 | 90.6 | 981.1 |
| 03/24/2022 | 13:15:00 - 13:30:00 | 1 | 0 | 2 | 1 | 0 | 3.2 | 189.2 | 5.1 | 91.9 | 981.0 |
| 03/24/2022 | 13:30:00 - 13:45:00 | 1 | 1 | 2 | 1 | 0 | 5.1 | 191.6 | 5.2 | 89.6 | 981.0 |
| 03/24/2022 | 13:45:00 - 14:00:00 | 1 | 1 | 2 | 1 | 0 | 3.2 | 185.6 | 5.5 | 89.7 | 981.0 |
| 03/24/2022 | 14:00:00 - 14:15:00 | 1 | 0 | 2 | 1 | 0 | 3.2 | 198.8 | 5.8 | 88.5 | 980.9 |
| 03/24/2022 | 14:15:00 - 14:30:00 | 1 | 0 | 2 | 1 | 0 | 2.4 | 221.4 | 5.6 | 89.7 | 981.1 |
| 03/24/2022 | 14:30:00 - 14:45:00 | 2 | 0 | 2 | 1 | 0 | 2.4 | 212.8 | 5.3 | 91.5 | 981.2 |
| 03/24/2022 | 14:45:00 - 15:00:00 | 1 | 1 | 2 | 1 | 0 | 5.0 | 186.7 | 5.8 | 89.9 | 981.2 |
| 03/24/2022 | 15:00:00 - 15:15:00 | 1 | 0 | 2 | 1 | 0 | 4.2 | 195.9 | 6.1 | 88.4 | 981.4 |
| 03/24/2022 | 15:15:00 - 15:30:00 | 1 | 0 | 2 | 1 | 0 | 5.5 | 190.0 | 5.3 | 90.7 | 981.5 |
| 03/24/2022 | 15:30:00 - 15:45:00 | 1 | 0 | 2 | 1 | 0 | 4.2 | 193.0 | 5.7 | 92.0 | 981.6 |
| 03/24/2022 | 15:45:00 - 16:00:00 | 1 | 1 | 2 | 1 | 0 | 3.4 | 195.5 | 5.7 | 91.4 | 981.7 |
| 03/24/2022 | 16:00:00 - 16:15:00 | 2 | 1 | 2 | 1 | 0 | 3.7 | 190.7 | 5.8 | 91.8 | 981.7 |
| 03/24/2022 | 16:15:00 - 16:30:00 | 1 | 0 | 2 | 1 | 0 | 5.6 | 186.1 | 5.7 | 91.0 | 981.8 |
| 03/24/2022 | 16:30:00 - 16:45:00 | 1 | 0 | 2 | 1 | 0 | 4.3 | 183.8 | 6.0 | 90.3 | 981.8 |
| 03/24/2022 | 16:45:00 - 17:00:00 | 1 | 0 | 2 | 1 | 0 | 3.9 | 179.9 | 5.9 | 91.7 | 981.9 |
| 03/24/2022 | 17:00:00 - 17:15:00 | 1 | 0 | 2 | 1 | 0 | 3.3 | 194.0 | 6.1 | 90.3 | 981.9 |
| 03/24/2022 | 17:15:00 - 17:30:00 | 1 | 0 | 2 | 1 | 0 | 3.5 | 191.5 | 6.2 | 88.4 | 982.0 |
| 03/24/2022 | 17:30:00 - 17:45:00 | 1 | 0 | 2 | 1 | 0 | 2.9 | 214.3 | 6.1 | 88.0 | 982.3 |
| 03/24/2022 | 17:45:00 - 18:00:00 | 1 | 0 | 2 | 1 | 0 | 1.7 | 182.8 | 5.8 | 86.3 | 982.5 |
| 03/24/2022 | 18:00:00 - 18:15:00 | 1 | 0 | 2 | 1 | 0 | 1.9 | 182.8 | 6.0 | 86.6 | 982.7 |
| 03/24/2022 | 18:15:00 - 18:30:00 | 1 | 0 | 2 | 1 | 0 | 1.2 | 223.8 | 6.1 | 87.6 | 982.8 |
| 03/24/2022 | 18:30:00 - 18:45:00 | 1 | 0 | 2 | 2 | 0 | 1.3 | 206.2 | 6.1 | 86.7 | 982.8 |
| 03/24/2022 | 18:45:00 - 19:00:00 | 1 | 0 | 2 | 2 | 0 | 1.8 | 187.0 | 6.0 | 86.0 | 982.9 |
| 03/24/2022 | 19:00:00 - 19:15:00 | 1 | 0 | 2 | 1 | 0 | 2.0 | 242.0 | 6.0 | 86.6 | 983.0 |
| 03/24/2022 | 19:15:00 - 19:30:00 | 1 | 0 | 2 | 2 | 0 | 1.7 | 258.7 | 5.8 | 86.1 | 983.2 |
| 03/24/2022 | 19:30:00 - 19:45:00 | 1 | 0 | 2 | 2 | 0 | 0.6 | 181.1 | 5.6 | 86.9 | 983.3 |
| 03/24/2022 | 19:45:00 - 20:00:00 | 1 | 0 | 2 | 1 | 0 | 1.1 | 232.9 | 5.5 | 87.3 | 983.4 |
| 03/24/2022 | 20:00:00 - 20:15:00 | 1 | 0 | 2 | 1 | 0 | 1.4 | 239.1 | 5.4 | 87.0 | 983.6 |
| 03/24/2022 | 20:15:00 - 20:30:00 | 1 | 0 | 2 | 1 | 0 | 1.8 | 233.7 | 5.3 | 87.1 | 983.7 |
| 03/24/2022 | 20:30:00 - 20:45:00 | 1 | 0 | 2 | 2 | 0 | 1.3 | 217.5 | 5.3 | 88.0 | 983.7 |
| 03/24/2022 | 20:45:00 - 21:00:00 | 1 | 0 | 2 | 2 | 0 | 1.2 | 217.8 | 5.3 | 88.7 | 983.9 |
| 03/24/2022 | 21:00:00 - 21:15:00 | 1 | 1 | 2 | 2 | 0 | 1.5 | 271.6 | 5.3 | 89.0 | 984.0 |
| 03/24/2022 | 21:15:00 - 21:30:00 | 1 | 1 | 2 | 2 | 0 | 1.1 | 230.4 | 5.3 | 89.0 | 983.9 |
| 03/24/2022 | 21:30:00 - 21:45:00 | 1 | 0 | 2 | 2 | 0 | 1.6 | 264.8 | 5.3 | 89.1 | 983.9 |
| 03/24/2022 | 21:45:00 - 22:00:00 | 1 | 0 | 2 | 2 | 0 | 2.1 | 287.1 | 5.2 | 89.4 | 983.9 |
| 03/24/2022 | 22:00:00 - 22:15:00 | 1 | 1 | 2 | 1 | 0 | 2.0 | 274.0 | 5.1 | 89.9 | 983.8 |
| 03/24/2022 | 22:15:00 - 22:30:00 | 1 | 1 | 2 | 1 | 0 | 1.8 | 264.0 | 5.1 | 90.0 | 983.7 |
| 03/24/2022 | 22:30:00 - 22:45:00 | 1 | 1 | 2 | 1 | 0 | 2.7 | 279.3 | 5.0 | 90.4 | 983.7 |
| 03/24/2022 | 22:45:00 - 23:00:00 | 1 | 1 | 2 | 2 | 0 | 1.9 | 257.6 | 4.9 | 89.0 | 983.7 |
| 03/24/2022 | 23:00:00 - 23:15:00 | 1 | 1 | 2 | 1 | 0 | 1.5 | 265.4 | 4.8 | 89.0 | 983.6 |
| 03/24/2022 | 23:15:00 - 23:30:00 | 1 | 1 | 2 | 2 | 0 | 1.0 | 233.1 | 4.8 | 90.2 | 983.5 |
| 03/24/2022 | 23:30:00 - 23:45:00 | 1 | 1 | 2 | 2 | 0 | 1.2 | 254.0 | 4.7 | 91.1 | 983.5 |
| 03/25/2022 | 23:45:00 - 00:00:00 | 1 | 1 | 2 | 2 | 0 | 2.2 | 258.7 | 4.7 | 91.4 | 983.5 |
| 03/25/2022 | 00:00:00 - 00:15:00 | 1 | 1 | 2 | 2 | 0 | 1.6 | 241.0 | 4.7 | 91.0 | 983.6 |
| 03/25/2022 | 00:15:00 - 00:30:00 | 1 | 1 | 2 | 2 | 0 | 1.3 | 251.6 | 4.7 | 91.1 | 983.6 |
| 03/25/2022 | 00:30:00 - 00:45:00 | 1 | 0 | 2 | 1 | 0 | 1.4 | 244.0 | 4.6 | 92.0 | 983.8 |
| 03/25/2022 | 00:45:00 - 01:00:00 | 1 | 1 | 2 | 2 | 0 | 1.4 | 257.8 | 4.6 | 91.8 | 983.7 |
| 03/25/2022 | 01:00:00 - 01:15:00 | 1 | 1 | 2 | 2 | 0 | 1.6 | 274.0 | 4.6 | 91.0 | 983.6 |
| 03/25/2022 | 01:15:00 - 01:30:00 | 1 | 1 | 2 | 2 | 0 | 1.3 | 255.4 | 4.5 | 91.0 | 983.6 |
| 03/25/2022 | 01:30:00 - 01:45:00 | 1 | 1 | 2 | 2 | 0 | 1.7 | 282.3 | 4.5 | 91.0 | 983.5 |
| 03/25/2022 | 01:45:00 - 02:00:00 | 1 | 1 | 2 | 2 | 0 | 1.9 | 274.3 | 4.5 | 91.0 | 983.5 |
| 03/25/2022 | 02:00:00 - 02:15:00 | 1 | 1 | 2 | 2 | 0 | 1.8 | 264.2 | 4.5 | 91.8 | 983.4 |
| 03/25/2022 | 02:15:00 - 02:30:00 | 1 | 1 | 2 | 2 | 0 | 1.9 | 266.9 | 4.4 | 92.0 | 983.3 |
| 03/25/2022 | 02:30:00 - 02:45:00 | 1 | 1 | 2 | 2 | 0 | 2.6 | 266.1 | 4.4 | 92.5 | 983.3 |
| 03/25/2022 | 02:45:00 - 03:00:00 | 2 | 2 | 3 | 2 | 0 | 1.8 | 287.7 | 4.4 | 93.0 | 983.1 |
| 03/25/2022 | 03:00:00 - 03:15:00 | 2 | 3 | 3 | 2 | 0 | 1.1 | 285.9 | 4.4 | 93.0 | 983.1 |
| 03/25/2022 | 03:15:00 - 03:30:00 | 2 | 2 | 3 | 3 | 0 | 2.0 | 289.1 | 4.4 | 93.1 | 983.0 |
| 03/25/2022 | 03:30:00 - 03:45:00 | 3 | 3 | 3 | 3 | 1 | 2.9 | 281.2 | 4.4 | 93.0 | 983.0 |
| 03/25/2022 | 03:45:00 - 04:00:00 | 4 | 3 | 4 | 4 | 2 | 2.0 | 282.6 | 4.4 | 93.0 | 983.0 |
| 03/25/2022 | 04:00:00 - 04:15:00 | 4 | 4 | 4 | 4 | 2 | 1.9 | 276.7 | 4.4 | 93.0 | 982.9 |
| 03/25/2022 | 04:15:00 - 04:30:00 | 4 | 4 | 4 | 4 | 2 | 2.7 | 290.5 | 4.4 | 93.0 | 982.9 |
| 03/25/2022 | 04:30:00 - 04:45:00 | 4 | 5 | 5 | 4 | 2 | 3.0 | 282.0 | 4.4 | 93.2 | 982.9 |
| 03/25/2022 | 04:45:00 - 05:00:00 | 5 | 5 | 5 | 5 | 3 | 2.5 | 280.0 | 4.4 | 93.1 | 982.8 |
| 03/25/2022 | 05:00:00 - 05:15:00 | 5 | 5 | 5 | 5 | 3 | 3.1 | 282.6 | 4.4 | 93.7 | 982.9 |
| 03/25/2022 | 05:15:00 - 05:30:00 | 6 | 6 | 6 | 6 | 4 | 2.9 | 285.0 | 4.3 | 94.1 | 983.0 |
| 03/25/2022 | 05:30:00 - 05:45:00 | 6 | 6 | 6 | 6 | 4 | 3.2 | 296.2 | 4.2 | 95.5 | 983.2 |
| 03/25/2022 | 05:45:00 - 06:00:00 | 6 | 8 | 6 | 6 | 4 | 3.0 | 299.0 | 4.1 | 96.7 | 983.2 |
| 03/25/2022 | 06:00:00 - 06:15:00 | 7 | 10 | 6 | 7 | 5 | 2.8 | 283.0 | 4.0 | 97.1 | 983.2 |
| 03/25/2022 | 06:15:00 - 06:30:00 | 7 | 10 | 6 | 7 | 5 | 2.0 | 273.9 | 4.0 | 97.1 | 983.3 |
| 03/25/2022 | 06:30:00 - 06:45:00 | 7 | 11 | 7 | 7 | 5 | 3.2 | 287.0 | 4.0 | 97.0 | 983.5 |
| 03/25/2022 | 06:45:00 - 07:00:00 | 8 | 12 | 7 | 8 | 6 | 3.0 | 288.4 | 4.1 | 97.0 | 983.6 |
| 03/25/2022 | 07:00:00 - 07:15:00 | 11 | 12 | 9 | 9 | 7 | 3.0 | 296.7 | 4.1 | 96.7 | 983.7 |
| 03/25/2022 | 07:15:00 - 07:30:00 | 9 | 11 | 8 | 8 | 6 | 2.8 | 292.2 | 4.0 | 97.2 | 983.6 |
| 03/25/2022 | 07:30:00 - 07:45:00 | 8 | 10 | 8 | 8 | 6 | 2.0 | 299.8 | 4.1 | 97.6 | 983.7 |
| 03/25/2022 | 07:45:00 - 08:00:00 | 11 | 7 | 9 | 9 | 7 | 2.0 | 306.0 | 4.3 | 97.0 | 983.7 |
| 03/25/2022 | 08:00:00 - 08:15:00 | 11 | 7 | 10 | 10 | 8 | 2.6 | 298.7 | 4.4 | 96.0 | 983.8 |
| 03/25/2022 | 08:15:00 - 08:30:00 | 12 | 8 | 10 | 9 | 8 | 2.7 | 291.4 | 4.5 | 94.9 | 983.8 |
| 03/25/2022 | 08:30:00 - 08:45:00 | 10 | 7 | 9 | 9 | 8 | 2.5 | 293.8 | 4.5 | 94.6 | 983.9 |
| 03/25/2022 | 08:45:00 - 09:00:00 | 11 | 7 | 9 | 9 | 8 | 2.2 | 293.6 | 4.6 | 94.0 | 983.9 |
| 03/25/2022 | 09:00:00 - 09:15:00 | 9 | 6 | 8 | 9 | 7 | 3.4 | 281.3 | 4.8 | 93.6 | 983.9 |
| 03/25/2022 | 09:15:00 - 09:30:00 | 10 | 6 | 9 | 9 | 7 | 3.4 | 290.7 | 5.0 | 92.8 | 983.9 |
| 03/25/2022 | 09:30:00 - 09:45:00 | 10 | 7 | 9 | 9 | 8 | 4.0 | 286.8 | 5.1 | 92.2 | 983.9 |
| 03/25/2022 | 09:45:00 - 10:00:00 | 10 | 7 | 9 | 9 | 8 | 4.0 | 284.3 | 5.4 | 91.1 | 983.8 |
| 03/25/2022 | 10:00:00 - 10:15:00 | 10 | 6 | 8 | 8 | 6 | 4.4 | 287.7 | 5.8 | 90.2 | 983.8 |
| 03/25/2022 | 10:15:00 - 10:30:00 | 8 | 5 | 7 | 6 | 5 | 4.5 | 293.3 | 6.0 | 88.8 | 983.8 |
| 03/25/2022 | 10:30:00 - 10:45:00 | 8 | 5 | 7 | 6 | 5 | 5.3 | 296.6 | 6.3 | 87.2 | 983.7 |
| 03/25/2022 | 10:45:00 - 11:00:00 | 7 | 4 | 6 | 6 | 4 | 6.1 | 293.3 | 6.2 | 86.9 | 983.7 |
| 03/25/2022 | 11:00:00 - 11:15:00 | 6 | 4 | 6 | 5 | 4 | 5.9 | 299.8 | 6.1 | 86.8 | 983.7 |
| 03/25/2022 | 11:15:00 - 11:30:00 | 7 | 5 | 6 | 6 | 4 | 4.6 | 292.7 | 6.5 | 85.5 | 983.6 |
| 03/25/2022 | 11:30:00 - 11:45:00 | 6 | 4 | 5 | 5 | 3 | 4.6 | 287.3 | 6.5 | 84.7 | 983.6 |
| 03/25/2022 | 11:45:00 - 12:00:00 | 5 | 3 | 4 | 4 | 2 | 4.2 | 296.9 | 6.5 | 85.0 | 983.7 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 03/25/2022 | 12:00:00 - 12:15:00 | 6 | 3 | 5 | 5 | 3 | 3.8 | 278.0 | 6.6 | 84.2 | 983.5 |
| 03/25/2022 | 12:15:00 - 12:30:00 | 5 | 4 | 5 | 5 | 3 | 4.6 | 264.8 | 6.6 | 84.4 | 983.4 |
| 03/25/2022 | 12:30:00 - 12:45:00 | 6 | 4 | 5 | 5 | 3 | 4.7 | 266.1 | 6.7 | 84.8 | 983.4 |
| 03/25/2022 | 12:45:00 - 13:00:00 | 6 | 4 | 6 | 5 | 4 | 3.4 | 274.2 | 6.8 | 84.5 | 983.2 |
| 03/25/2022 | 13:00:00 - 13:15:00 | 6 | 4 | 6 | 5 | 4 | 4.4 | 274.5 | 7.1 | 84.2 | 982.9 |
| 03/25/2022 | 13:15:00 - 13:30:00 | 7 | 4 | 6 | 5 | 4 | 4.2 | 271.1 | 7.6 | 82.7 | 982.5 |
| 03/25/2022 | 13:30:00 - 13:45:00 | 6 | 5 | 5 | 6 | 4 | 4.8 | 284.6 | 7.8 | 82.3 | 982.4 |
| 03/25/2022 | 13:45:00 - 14:00:00 | 8 | 6 | 7 | 6 | 5 | 4.7 | 286.4 | 8.0 | 81.7 | 982.2 |
| 03/25/2022 | 14:00:00 - 14:15:00 | 9 | 6 | 8 | 7 | 6 | 6.0 | 280.4 | 8.0 | 80.3 | 982.2 |
| 03/25/2022 | 14:15:00 - 14:30:00 | 8 | 6 | 7 | 7 | 6 | 4.8 | 289.2 | 8.2 | 79.6 | 982.2 |
| 03/25/2022 | 14:30:00 - 14:45:00 | 8 | 5 | 6 | 6 | 5 | 5.1 | 297.2 | 8.7 | 78.3 | 982.0 |
| 03/25/2022 | 14:45:00 - 15:00:00 | 9 | 5 | 7 | 6 | 5 | 6.3 | 293.0 | 9.1 | 73.7 | 981.8 |
| 03/25/2022 | 15:00:00 - 15:15:00 | 6 | 4 | 5 | 5 | 3 | 6.3 | 299.0 | 9.7 | 68.8 | 981.8 |
| 03/25/2022 | 15:15:00 - 15:30:00 | 5 | 3 | 4 | 4 | 3 | 8.2 | 296.9 | 9.6 | 65.4 | 982.1 |
| 03/25/2022 | 15:30:00 - 15:45:00 | 4 | 3 | 4 | 4 | 2 | 7.3 | 293.2 | 9.9 | 61.8 | 982.2 |
| 03/25/2022 | 15:45:00 - 16:00:00 | 4 | 2 | 4 | 3 | 2 | 7.6 | 294.2 | 9.4 | 61.9 | 982.2 |
| 03/25/2022 | 16:00:00 - 16:15:00 | 4 | 2 | 3 | 3 | 1 | 7.1 | 299.0 | 9.1 | 63.4 | 982.3 |
| 03/25/2022 | 16:15:00 - 16:30:00 | 3 | 2 | 3 | 3 | 1 | 5.7 | 287.2 | 9.8 | 58.9 | 982.2 |
| 03/25/2022 | 16:30:00 - 16:45:00 | 3 | 1 | 3 | 2 | 0 | 7.0 | 297.9 | 9.5 | 57.7 | 982.2 |
| 03/25/2022 | 16:45:00 - 17:00:00 | 2 | 1 | 2 | 2 | 0 | 7.7 | 303.1 | 10.2 | 55.4 | 982.0 |
| 03/25/2022 | 17:00:00 - 17:15:00 | 2 | 1 | 2 | 2 | 0 | 7.1 | 306.1 | 10.0 | 54.4 | 982.0 |
| 03/25/2022 | 17:15:00 - 17:30:00 | 2 | 0 | 2 | 2 | 0 | 9.8 | 297.9 | 10.3 | 48.9 | 982.0 |
| 03/25/2022 | 17:30:00 - 17:45:00 | 2 | 0 | 2 | 1 | 0 | 7.8 | 300.3 | 9.8 | 49.2 | 982.1 |
| 03/25/2022 | 17:45:00 - 18:00:00 | 2 | 0 | 2 | 2 | 0 | 9.5 | 307.1 | 9.2 | 52.2 | 982.5 |
| 03/25/2022 | 18:00:00 - 18:15:00 | 6 | 0 | 4 | 2 | 0 | 7.6 | 312.5 | 7.4 | 62.4 | 982.8 |
| 03/25/2022 | 18:15:00 - 18:30:00 | 3 | 0 | 3 | 2 | 0 | 7.4 | 301.3 | 7.2 | 60.0 | 982.9 |
| 03/25/2022 | 18:30:00 - 18:45:00 | 2 | 1 | 2 | 2 | 0 | 8.2 | 298.0 | 7.1 | 58.8 | 983.1 |
| 03/25/2022 | 18:45:00 - 19:00:00 | 1 | 0 | 2 | 2 | 0 | 7.4 | 295.8 | 7.0 | 57.6 | 983.1 |
| 03/25/2022 | 19:00:00 - 19:15:00 | 2 | 0 | 2 | 2 | 0 | 7.2 | 296.9 | 6.7 | 59.6 | 983.2 |
| 03/25/2022 | 19:15:00 - 19:30:00 | 1 | 0 | 2 | 1 | 0 | 7.2 | 299.0 | 6.7 | 57.5 | 983.3 |
| 03/25/2022 | 19:30:00 - 19:45:00 | 1 | 0 | 2 | 1 | 0 | 7.1 | 297.5 | 6.7 | 55.2 | 983.5 |
| 03/25/2022 | 19:45:00 - 20:00:00 | 1 | 0 | 2 | 1 | 0 | 8.7 | 304.1 | 6.5 | 55.2 | 983.8 |
| 03/25/2022 | 20:00:00 - 20:15:00 | 1 | 0 | 2 | 1 | 0 | 7.1 | 301.1 | 6.2 | 57.0 | 984.0 |
| 03/25/2022 | 20:15:00 - 20:30:00 | 1 | 0 | 2 | 1 | 0 | 7.7 | 297.4 | 5.8 | 60.0 | 984.2 |
| 03/25/2022 | 20:30:00 - 20:45:00 | 1 | 0 | 2 | 1 | 0 | 9.4 | 301.8 | 5.8 | 56.6 | 984.3 |
| 03/25/2022 | 20:45:00 - 21:00:00 | 1 | 0 | 2 | 1 | 0 | 6.5 | 299.1 | 5.7 | 56.3 | 984.4 |
| 03/25/2022 | 21:00:00 - 21:15:00 | 2 | 0 | 2 | 1 | 0 | 6.9 | 300.4 | 5.3 | 57.4 | 984.3 |
| 03/25/2022 | 21:15:00 - 21:30:00 | 1 | 0 | 2 | 1 | 0 | 5.6 | 293.1 | 5.0 | 58.3 | 984.2 |
| 03/25/2022 | 21:30:00 - 21:45:00 | 1 | 0 | 2 | 1 | 0 | 4.1 | 290.9 | 4.6 | 60.7 | 983.9 |
| 03/25/2022 | 21:45:00 - 22:00:00 | 1 | 0 | 2 | 1 | 0 | 2.8 | 278.9 | 4.4 | 62.1 | 983.6 |
| 03/25/2022 | 22:00:00 - 22:15:00 | 1 | 0 | 3 | 1 | 0 | 3.2 | 277.9 | 4.4 | 61.7 | 983.3 |
| 03/25/2022 | 22:15:00 - 22:30:00 | 1 | 0 | 2 | 1 | 0 | 2.4 | 265.3 | 4.3 | 62.9 | 983.1 |
| 03/25/2022 | 22:30:00 - 22:45:00 | 1 | 1 | 3 | 1 | 0 | 3.7 | 287.3 | 4.4 | 62.0 | 982.9 |
| 03/25/2022 | 22:45:00 - 23:00:00 | 1 | 0 | 2 | 1 | 0 | 4.0 | 288.7 | 4.5 | 62.0 | 982.8 |
| 03/25/2022 | 23:00:00 - 23:15:00 | 1 | 0 | 2 | 1 | 0 | 5.8 | 292.2 | 4.5 | 61.5 | 982.7 |
| 03/25/2022 | 23:15:00 - 23:30:00 | 1 | 0 | 2 | 1 | 0 | 5.4 | 292.6 | 4.6 | 61.4 | 982.6 |
| 03/25/2022 | 23:30:00 - 23:45:00 | 1 | 0 | 2 | 1 | 0 | 5.1 | 293.5 | 4.5 | 62.3 | 982.3 |
| 03/26/2022 | 23:45:00 - 00:00:00 | 1 | 0 | 2 | 1 | 0 | 5.0 | 295.1 | 4.4 | 63.4 | 982.1 |
| 03/26/2022 | 00:00:00 - 00:15:00 | 1 | 0 | 2 | 1 | 0 | 4.7 | 289.3 | 4.2 | 65.1 | 982.0 |
| 03/26/2022 | 00:15:00 - 00:30:00 | 1 | 0 | 2 | 1 | 0 | 6.3 | 298.5 | 4.3 | 65.5 | 982.0 |
| 03/26/2022 | 00:30:00 - 00:45:00 | 1 | 0 | 2 | 1 | 0 | 5.5 | 307.3 | 4.2 | 67.8 | 982.0 |
| 03/26/2022 | 00:45:00 - 01:00:00 | 1 | 0 | 2 | 1 | 0 | 6.9 | 304.1 | 4.1 | 68.8 | 982.0 |
| 03/26/2022 | 01:00:00 - 01:15:00 | 1 | 0 | 2 | 1 | 0 | 5.4 | 298.9 | 4.0 | 67.9 | 981.9 |
| 03/26/2022 | 01:15:00 - 01:30:00 | 1 | 1 | 2 | 1 | 0 | 7.2 | 305.2 | 3.9 | 66.0 | 981.8 |
| 03/26/2022 | 01:30:00 - 01:45:00 | 1 | 0 | 2 | 2 | 0 | 7.6 | 310.4 | 3.8 | 60.3 | 981.8 |
| 03/26/2022 | 01:45:00 - 02:00:00 | 1 | 0 | 3 | 2 | 0 | 7.0 | 307.3 | 3.5 | 58.0 | 981.8 |
| 03/26/2022 | 02:00:00 - 02:15:00 | 1 | 0 | 3 | 2 | 0 | 5.7 | 311.8 | 3.2 | 59.3 | 981.8 |
| 03/26/2022 | 02:15:00 - 02:30:00 | 1 | 0 | 3 | 2 | 0 | 6.3 | 320.2 | 2.9 | 61.1 | 981.8 |
| 03/26/2022 | 02:30:00 - 02:45:00 | 1 | 1 | 3 | 2 | 0 | 6.7 | 308.8 | 2.6 | 62.6 | 981.7 |
| 03/26/2022 | 02:45:00 - 03:00:00 | 1 | 0 | 3 | 2 | 0 | 6.0 | 313.2 | 2.2 | 64.3 | 981.7 |
| 03/26/2022 | 03:00:00 - 03:15:00 | 1 | 0 | 3 | 2 | 0 | 6.6 | 306.5 | 1.9 | 65.2 | 981.8 |
| 03/26/2022 | 03:15:00 - 03:30:00 | 1 | 1 | 3 | 2 | 0 | 6.2 | 304.9 | 1.6 | 65.4 | 981.8 |
| 03/26/2022 | 03:30:00 - 03:45:00 | 1 | 0 | 3 | 2 | 1 | 6.7 | 309.2 | 1.4 | 66.7 | 981.9 |
| 03/26/2022 | 03:45:00 - 04:00:00 | 1 | 0 | 3 | 2 | 1 | 6.7 | 306.2 | 1.2 | 66.9 | 982.0 |
| 03/26/2022 | 04:00:00 - 04:15:00 | 1 | 0 | 3 | 2 | 1 | 7.2 | 306.0 | 1.1 | 66.9 | 982.1 |
| 03/26/2022 | 04:15:00 - 04:30:00 | 1 | 1 | 3 | 2 | 1 | 6.1 | 304.0 | 0.9 | 67.9 | 982.2 |
| 03/26/2022 | 04:30:00 - 04:45:00 | 1 | 1 | 3 | 2 | 1 | 7.2 | 309.1 | 0.7 | 69.0 | 982.4 |
| 03/26/2022 | 04:45:00 - 05:00:00 | 1 | 1 | 3 | 2 | 1 | 7.1 | 302.7 | 0.5 | 70.4 | 982.5 |
| 03/26/2022 | 05:00:00 - 05:15:00 | 1 | 1 | 3 | 2 | 1 | 5.9 | 304.0 | 0.4 | 70.9 | 982.6 |
| 03/26/2022 | 05:15:00 - 05:30:00 | 1 | 1 | 3 | 2 | 1 | 6.3 | 305.7 | 0.3 | 70.7 | 982.8 |
| 03/26/2022 | 05:30:00 - 05:45:00 | 1 | 1 | 3 | 2 | 1 | 5.9 | 311.5 | 0.1 | 71.1 | 982.8 |
| 03/26/2022 | 05:45:00 - 06:00:00 | 1 | 1 | 3 | 2 | 1 | 7.1 | 304.2 | -0.1 | 69.3 | 983.0 |
| 03/26/2022 | 06:00:00 - 06:15:00 | 1 | 1 | 3 | 2 | 1 | 7.2 | 309.6 | -0.2 | 67.8 | 983.2 |
| 03/26/2022 | 06:15:00 - 06:30:00 | 1 | 1 | 3 | 2 | 1 | 4.3 | 308.2 | -0.3 | 70.3 | 983.4 |
| 03/26/2022 | 06:30:00 - 06:45:00 | 1 | 1 | 3 | 2 | 1 | 5.2 | 306.1 | -0.5 | 72.5 | 983.6 |
| 03/26/2022 | 06:45:00 - 07:00:00 | 1 | 1 | 3 | 2 | 1 | 6.4 | 311.6 | -0.5 | 69.4 | 983.9 |
| 03/26/2022 | 07:00:00 - 07:15:00 | 1 | 1 | 3 | 2 | 1 | 5.2 | 305.7 | -0.5 | 68.4 | 984.1 |
| 03/26/2022 | 07:15:00 - 07:30:00 | 1 | 1 | 3 | 2 | 1 | 3.8 | 313.1 | -0.5 | 71.4 | 984.2 |
| 03/26/2022 | 07:30:00 - 07:45:00 | 1 | 1 | 3 | 2 | 1 | 6.2 | 317.0 | -0.4 | 68.3 | 984.4 |
| 03/26/2022 | 07:45:00 - 08:00:00 | 1 | 1 | 3 | 2 | 1 | 5.6 | 315.6 | 0.0 | 65.9 | 984.6 |
| 03/26/2022 | 08:00:00 - 08:15:00 | 1 | 1 | 3 | 2 | 1 | 6.5 | 311.1 | 0.2 | 64.3 | 984.7 |
| 03/26/2022 | 08:15:00 - 08:30:00 | 1 | 1 | 3 | 2 | 0 | 6.9 | 316.6 | 0.2 | 63.3 | 985.0 |
| 03/26/2022 | 08:30:00 - 08:45:00 | 1 | 1 | 3 | 1 | 0 | 6.6 | 318.7 | 0.3 | 61.7 | 985.2 |
| 03/26/2022 | 08:45:00 - 09:00:00 | 1 | 0 | 3 | 1 | 0 | 9.0 | 303.8 | 0.1 | 60.1 | 985.4 |
| 03/26/2022 | 09:00:00 - 09:15:00 | 1 | 1 | 3 | 1 | 0 | 9.0 | 307.3 | 0.3 | 60.1 | 985.5 |
| 03/26/2022 | 09:15:00 - 09:30:00 | 1 | 1 | 3 | 1 | 0 | 6.9 | 307.5 | 0.5 | 59.5 | 985.7 |
| 03/26/2022 | 09:30:00 - 09:45:00 | 1 | 1 | 3 | 1 | 0 | 6.2 | 307.9 | 0.8 | 60.0 | 985.9 |
| 03/26/2022 | 09:45:00 - 10:00:00 | 1 | 0 | 2 | 1 | 0 | 7.6 | 310.1 | 0.8 | 59.5 | 986.2 |
| 03/26/2022 | 10:00:00 - 10:15:00 | 1 | 1 | 3 | 2 | 0 | 7.5 | 311.1 | 0.8 | 59.2 | 986.4 |
| 03/26/2022 | 10:15:00 - 10:30:00 | 1 | 1 | 2 | 2 | 0 | 6.5 | 309.6 | 0.9 | 59.8 | 986.5 |
| 03/26/2022 | 10:30:00 - 10:45:00 | 1 | 1 | 2 | 2 | 0 | 6.7 | 312.3 | 1.1 | 59.7 | 986.6 |
| 03/26/2022 | 10:45:00 - 11:00:00 | 1 | 1 | 2 | 2 | 0 | 8.2 | 307.3 | 0.9 | 59.0 | 986.7 |
| 03/26/2022 | 11:00:00 - 11:15:00 | 1 | 1 | 2 | 2 | 0 | 5.8 | 327.5 | 1.3 | 58.6 | 986.7 |
| 03/26/2022 | 11:15:00 - 11:30:00 | 2 | 1 | 3 | 2 | 0 | 6.3 | 318.6 | 1.7 | 56.9 | 986.9 |
| 03/26/2022 | 11:30:00 - 11:45:00 | 1 | 1 | 2 | 2 | 0 | 5.2 | 324.6 | 1.9 | 56.0 | 987.0 |
| 03/26/2022 | 11:45:00 - 12:00:00 | 1 | 0 | 2 | 2 | 0 | 7.4 | 305.9 | 1.3 | 56.8 | 987.1 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 03/26/2022 | 12:00:00 - 12:15:00 | 2 | 1 | 2 | 2 | 0 | 6.8 | 313.1 | 1.8 | 56.0 | 987.1 |
| 03/26/2022 | 12:15:00 - 12:30:00 | 2 | 1 | 2 | 2 | 0 | 5.5 | 324.5 | 2.0 | 56.0 | 987.3 |
| 03/26/2022 | 12:30:00 - 12:45:00 | 2 | 1 | 2 | 2 | 0 | 6.1 | 328.6 | 1.7 | 56.0 | 987.5 |
| 03/26/2022 | 12:45:00 - 13:00:00 | 2 | 1 | 3 | 2 | 0 | 6.5 | 335.8 | 1.8 | 55.9 | 987.6 |
| 03/26/2022 | 13:00:00 - 13:15:00 | 2 | 1 | 3 | 2 | 0 | 5.5 | 325.4 | 1.8 | 56.8 | 987.8 |
| 03/26/2022 | 13:15:00 - 13:30:00 | 2 | 1 | 3 | 2 | 0 | 5.3 | 334.7 | 1.6 | 57.6 | 988.1 |
| 03/26/2022 | 13:30:00 - 13:45:00 | 2 | 1 | 3 | 2 | 0 | 6.0 | 337.1 | 1.5 | 57.6 | 988.2 |
| 03/26/2022 | 13:45:00 - 14:00:00 | 2 | 1 | 3 | 2 | 0 | 6.1 | 338.8 | 1.3 | 57.6 | 988.3 |
| 03/26/2022 | 14:00:00 - 14:15:00 | 2 | 1 | 3 | 2 | 0 | 6.2 | 332.7 | 1.0 | 58.9 | 988.4 |
| 03/26/2022 | 14:15:00 - 14:30:00 | 2 | 1 | 3 | 2 | 0 | 5.5 | 329.0 | 1.3 | 58.3 | 988.4 |
| 03/26/2022 | 14:30:00 - 14:45:00 | 2 | 1 | 3 | 2 | 0 | 6.4 | 340.4 | 1.6 | 57.7 | 988.4 |
| 03/26/2022 | 14:45:00 - 15:00:00 | 3 | 1 | 3 | 2 | 0 | 6.7 | 346.0 | 2.2 | 54.7 | 988.5 |
| 03/26/2022 | 15:00:00 - 15:15:00 | 3 | 1 | 3 | 2 | 0 | 7.4 | 311.1 | 2.1 | 53.2 | 988.6 |
| 03/26/2022 | 15:15:00 - 15:30:00 | 2 | 1 | 3 | 2 | 0 | 5.8 | 319.1 | 2.3 | 52.6 | 988.6 |
| 03/26/2022 | 15:30:00 - 15:45:00 | 2 | 1 | 3 | 2 | 0 | 6.5 | 323.9 | 2.0 | 52.4 | 988.7 |
| 03/26/2022 | 15:45:00 - 16:00:00 | 2 | 1 | 3 | 2 | 0 | 6.3 | 322.9 | 1.9 | 53.0 | 988.7 |
| 03/26/2022 | 16:00:00 - 16:15:00 | 2 | 1 | 3 | 2 | 0 | 7.7 | 313.1 | 2.2 | 52.4 | 988.7 |
| 03/26/2022 | 16:15:00 - 16:30:00 | 2 | 1 | 3 | 2 | 0 | 5.5 | 339.8 | 2.8 | 52.1 | 988.8 |
| 03/26/2022 | 16:30:00 - 16:45:00 | 2 | 1 | 3 | 2 | 0 | 5.7 | 333.3 | 2.2 | 52.5 | 988.9 |
| 03/26/2022 | 16:45:00 - 17:00:00 | 2 | 1 | 3 | 2 | 0 | 6.7 | 324.7 | 2.0 | 52.8 | 989.0 |
| 03/26/2022 | 17:00:00 - 17:15:00 | 2 | 1 | 3 | 3 | 0 | 4.7 | 333.1 | 1.9 | 54.2 | 989.2 |
| 03/26/2022 | 17:15:00 - 17:30:00 | 3 | 2 | 4 | 3 | 1 | 4.5 | 344.1 | 2.5 | 52.4 | 989.3 |
| 03/26/2022 | 17:30:00 - 17:45:00 | 3 | 1 | 4 | 3 | 1 | 4.5 | 326.8 | 2.0 | 54.0 | 989.3 |
| 03/26/2022 | 17:45:00 - 18:00:00 | 3 | 2 | 4 | 3 | 2 | 4.2 | 326.8 | 1.9 | 55.2 | 989.4 |
| 03/26/2022 | 18:00:00 - 18:15:00 | 3 | 2 | 4 | 3 | 2 | 5.4 | 306.2 | 1.6 | 55.3 | 989.5 |
| 03/26/2022 | 18:15:00 - 18:30:00 | 3 | 2 | 4 | 3 | 2 | 4.2 | 322.9 | 1.6 | 55.2 | 989.6 |
| 03/26/2022 | 18:30:00 - 18:45:00 | 3 | 2 | 4 | 3 | 2 | 3.5 | 322.9 | 1.3 | 56.2 | 989.7 |
| 03/26/2022 | 18:45:00 - 19:00:00 | 3 | 2 | 4 | 3 | 3 | 2.2 | 322.2 | 1.1 | 57.7 | 989.9 |
| 03/26/2022 | 19:00:00 - 19:15:00 | 3 | 2 | 4 | 3 | 3 | 3.2 | 327.6 | 0.8 | 59.7 | 990.0 |
| 03/26/2022 | 19:15:00 - 19:30:00 | 3 | 2 | 4 | 3 | 3 | 2.9 | 316.1 | 0.5 | 60.1 | 990.0 |
| 03/26/2022 | 19:30:00 - 19:45:00 | 2 | 2 | 4 | 3 | 2 | 2.3 | 325.2 | 0.3 | 61.2 | 990.0 |
| 03/26/2022 | 19:45:00 - 20:00:00 | 2 | 1 | 4 | 3 | 2 | 2.2 | 327.5 | 0.2 | 62.1 | 990.2 |
| 03/26/2022 | 20:00:00 - 20:15:00 | 2 | 1 | 4 | 3 | 2 | 1.8 | 309.2 | 0.0 | 63.4 | 990.4 |
| 03/26/2022 | 20:15:00 - 20:30:00 | 2 | 2 | 4 | 3 | 2 | 2.4 | 289.3 | -0.1 | 64.0 | 990.6 |
| 03/26/2022 | 20:30:00 - 20:45:00 | 2 | 3 | 4 | 3 | 2 | 2.4 | 305.4 | -0.2 | 64.5 | 990.7 |
| 03/26/2022 | 20:45:00 - 21:00:00 | 2 | 3 | 4 | 3 | 3 | 2.4 | 316.5 | -0.3 | 65.0 | 990.8 |
| 03/26/2022 | 21:00:00 - 21:15:00 | 2 | 2 | 4 | 3 | 3 | 2.6 | 316.7 | -0.3 | 65.4 | 990.8 |
| 03/26/2022 | 21:15:00 - 21:30:00 | 2 | 2 | 4 | 3 | 3 | 2.9 | 326.9 | -0.4 | 65.5 | 990.9 |
| 03/26/2022 | 21:30:00 - 21:45:00 | 2 | 2 | 4 | 3 | 3 | 2.2 | 332.0 | -0.5 | 66.3 | 991.0 |
| 03/26/2022 | 21:45:00 - 22:00:00 | 2 | 1 | 4 | 3 | 3 | 1.2 | 326.1 | -0.7 | 67.9 | 991.1 |
| 03/26/2022 | 22:00:00 - 22:15:00 | 2 | 2 | 4 | 3 | 3 | 1.4 | 303.5 | -0.9 | 69.5 | 991.1 |
| 03/26/2022 | 22:15:00 - 22:30:00 | 2 | 2 | 4 | 3 | 3 | 1.5 | 303.3 | -1.1 | 70.0 | 991.1 |
| 03/26/2022 | 22:30:00 - 22:45:00 | 2 | 2 | 4 | 3 | 3 | 1.6 | 311.4 | -1.1 | 69.8 | 991.1 |
| 03/26/2022 | 22:45:00 - 23:00:00 | 2 | 1 | 3 | 3 | 2 | 1.6 | 304.3 | -1.2 | 70.7 | 991.2 |
| 03/26/2022 | 23:00:00 - 23:15:00 | 2 | 2 | 3 | 3 | 3 | 1.5 | 335.8 | -1.3 | 70.2 | 991.3 |
| 03/26/2022 | 23:15:00 - 23:30:00 | 2 | 1 | 3 | 2 | 3 | 3.0 | 345.6 | -1.3 | 69.4 | 991.4 |
| 03/26/2022 | 23:30:00 - 23:45:00 | 2 | 1 | 3 | 2 | 2 | 2.5 | 358.9 | -1.4 | 70.3 | 991.4 |
| 03/27/2022 | 23:45:00 - 00:00:00 | 2 | 1 | 3 | 2 | 2 | 2.6 | 353.4 | -1.6 | 72.2 | 991.5 |
| 03/27/2022 | 00:00:00 - 00:15:00 | 2 | 1 | 3 | 2 | 2 | 3.0 | 354.0 | -1.7 | 73.6 | 991.5 |
| 03/27/2022 | 00:15:00 - 00:30:00 | 2 | 1 | 3 | 2 | 2 | 2.9 | 351.1 | -1.9 | 74.0 | 991.5 |
| 03/27/2022 | 00:30:00 - 00:45:00 | 1 | 1 | 3 | 2 | 2 | 2.2 | 4.3 | -2.0 | 75.1 | 991.4 |
| 03/27/2022 | 00:45:00 - 01:00:00 | 2 | 1 | 3 | 2 | 2 | 2.2 | 355.4 | -2.2 | 76.3 | 991.6 |
| 03/27/2022 | 01:00:00 - 01:15:00 | 1 | 1 | 3 | 2 | 2 | 1.8 | 0.7 | -2.3 | 78.0 | 991.8 |
| 03/27/2022 | 01:15:00 - 01:30:00 | 2 | 1 | 3 | 2 | 2 | 2.1 | 346.9 | -2.5 | 79.1 | 992.1 |
| 03/27/2022 | 01:30:00 - 01:45:00 | 1 | 1 | 3 | 2 | 2 | 1.9 | 2.3 | -2.7 | 80.0 | 992.2 |
| 03/27/2022 | 01:45:00 - 02:00:00 | 2 | 1 | 3 | 2 | 2 | 1.7 | 1.5 | -2.9 | 81.2 | 992.1 |
| 03/27/2022 | 02:00:00 - 02:15:00 | 2 | 1 | 3 | 2 | 2 | 1.5 | 341.9 | -3.0 | 82.4 | 992.1 |
| 03/27/2022 | 02:15:00 - 02:30:00 | 2 | 2 | 3 | 3 | 3 | 1.0 | 348.2 | -3.2 | 83.9 | 991.9 |
| 03/27/2022 | 02:30:00 - 02:45:00 | 2 | 1 | 3 | 2 | 2 | 0.8 | 324.6 | -3.5 | 84.7 | 991.9 |
| 03/27/2022 | 02:45:00 - 03:00:00 | 2 | 2 | 3 | 2 | 3 | 0.7 | 335.3 | -3.8 | 85.6 | 991.7 |
| 03/27/2022 | 03:00:00 - 03:15:00 | 2 | 2 | 3 | 3 | 3 | 1.0 | 347.7 | -4.0 | 86.2 | 991.7 |
| 03/27/2022 | 03:15:00 - 03:30:00 | 2 | 2 | 3 | 3 | 3 | 1.2 | 347.1 | -4.0 | 87.0 | 991.7 |
| 03/27/2022 | 03:30:00 - 03:45:00 | 2 | 2 | 3 | 3 | 3 | 1.1 | 327.6 | -4.0 | 87.0 | 991.7 |
| 03/27/2022 | 03:45:00 - 04:00:00 | 2 | 2 | 4 | 3 | 4 | 1.2 | 327.9 | -3.8 | 86.0 | 991.9 |
| 03/27/2022 | 04:00:00 - 04:15:00 | 2 | 2 | 4 | 3 | 3 | 1.3 | 325.4 | -3.8 | 85.2 | 992.0 |
| 03/27/2022 | 04:15:00 - 04:30:00 | 2 | 2 | 3 | 3 | 3 | 0.7 | 339.8 | -3.9 | 85.0 | 992.3 |
| 03/27/2022 | 04:30:00 - 04:45:00 | 2 | 1 | 3 | 3 | 3 | 0.8 | 334.5 | -4.0 | 84.8 | 992.4 |
| 03/27/2022 | 04:45:00 - 05:00:00 | 2 | 1 | 3 | 3 | 3 | 0.8 | 338.7 | -4.1 | 84.8 | 992.6 |
| 03/27/2022 | 05:00:00 - 05:15:00 | 2 | 1 | 3 | 3 | 3 | 1.1 | 323.8 | -4.1 | 84.8 | 992.8 |
| 03/27/2022 | 05:15:00 - 05:30:00 | 2 | 2 | 3 | 3 | 3 | 1.8 | 318.7 | -3.8 | 84.0 | 993.0 |
| 03/27/2022 | 05:30:00 - 05:45:00 | 2 | 2 | 4 | 3 | 4 | 2.4 | 310.9 | -3.9 | 84.7 | 993.1 |
| 03/27/2022 | 05:45:00 - 06:00:00 | 2 | 2 | 4 | 3 | 4 | 2.2 | 310.8 | -4.0 | 85.0 | 993.1 |
| 03/27/2022 | 06:00:00 - 06:15:00 | 2 | 2 | 4 | 3 | 4 | 2.4 | 321.5 | -4.0 | 83.4 | 993.2 |
| 03/27/2022 | 06:15:00 - 06:30:00 | 2 | 2 | 4 | 3 | 4 | 2.7 | 321.4 | -3.8 | 81.0 | 993.5 |
| 03/27/2022 | 06:30:00 - 06:45:00 | 2 | 2 | 3 | 3 | 3 | 2.6 | 318.1 | -3.7 | 79.7 | 993.7 |
| 03/27/2022 | 06:45:00 - 07:00:00 | 2 | 2 | 3 | 3 | 3 | 2.8 | 329.4 | -3.4 | 77.0 | 993.9 |
| 03/27/2022 | 07:00:00 - 07:15:00 | 2 | 1 | 3 | 3 | 3 | 2.8 | 321.6 | -2.9 | 73.9 | 994.1 |
| 03/27/2022 | 07:15:00 - 07:30:00 | 2 | 2 | 3 | 3 | 3 | 2.7 | 329.9 | -2.4 | 72.0 | 994.5 |
| 03/27/2022 | 07:30:00 - 07:45:00 | 2 | 1 | 3 | 3 | 2 | 3.2 | 330.7 | -2.1 | 70.1 | 994.9 |
| 03/27/2022 | 07:45:00 - 08:00:00 | 1 | 1 | 3 | 2 | 2 | 3.5 | 345.1 | -1.7 | 68.4 | 995.1 |
| 03/27/2022 | 08:00:00 - 08:15:00 | 1 | 1 | 3 | 2 | 2 | 2.7 | 353.4 | -1.2 | 65.6 | 995.3 |
| 03/27/2022 | 08:15:00 - 08:30:00 | 1 | 1 | 3 | 2 | 1 | 4.1 | 346.8 | -1.1 | 64.0 | 995.4 |
| 03/27/2022 | 08:30:00 - 08:45:00 | 1 | 1 | 3 | 2 | 1 | 3.8 | 348.1 | -0.9 | 62.0 | 995.5 |
| 03/27/2022 | 08:45:00 - 09:00:00 | 1 | 1 | 3 | 2 | 1 | 4.4 | 354.1 | -0.6 | 59.5 | 995.6 |
| 03/27/2022 | 09:00:00 - 09:15:00 | 1 | 1 | 3 | 2 | 0 | 3.9 | 3.8 | -0.4 | 58.9 | 995.8 |
| 03/27/2022 | 09:15:00 - 09:30:00 | 1 | 1 | 3 | 2 | 0 | 3.8 | 11.6 | -0.1 | 57.3 | 996.0 |
| 03/27/2022 | 09:30:00 - 09:45:00 | 1 | 1 | 3 | 2 | 0 | 3.8 | 350.7 | 0.3 | 54.2 | 996.2 |
| 03/27/2022 | 09:45:00 - 10:00:00 | 1 | 1 | 3 | 2 | 0 | 4.3 | 350.6 | 0.4 | 53.2 | 996.5 |
| 03/27/2022 | 10:00:00 - 10:15:00 | 2 | 1 | 3 | 2 | 0 | 4.0 | 339.9 | 0.5 | 52.7 | 996.6 |
| 03/27/2022 | 10:15:00 - 10:30:00 | 2 | 1 | 3 | 2 | 0 | 4.0 | 342.6 | 0.9 | 52.1 | 996.7 |
| 03/27/2022 | 10:30:00 - 10:45:00 | 2 | 1 | 3 | 2 | 0 | 4.1 | 340.8 | 0.8 | 51.2 | 996.8 |
| 03/27/2022 | 10:45:00 - 11:00:00 | 2 | 1 | 3 | 2 | 0 | 5.0 | 330.2 | 1.0 | 49.8 | 996.7 |
| 03/27/2022 | 11:00:00 - 11:15:00 | 2 | 1 | 3 | 2 | 0 | 3.5 | 357.3 | 1.7 | 50.1 | 996.7 |
| 03/27/2022 | 11:15:00 - 11:30:00 | 2 | 1 | 3 | 2 | 0 | 4.2 | 340.4 | 1.7 | 49.2 | 996.6 |
| 03/27/2022 | 11:30:00 - 11:45:00 | 2 | 1 | 3 | 2 | 0 | 4.9 | 335.6 | 1.7 | 48.3 | 996.5 |
| 03/27/2022 | 11:45:00 - 12:00:00 | 2 | 1 | 3 | 2 | 0 | 3.4 | 352.7 | 1.9 | 49.3 | 996.4 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 03/27/2022 | 12:00:00 - 12:15:00 | 2 | 1 | 3 | 2 | 0 | 4.2 | 346.7 | 2.1 | 48.8 | 996.3 |
| 03/27/2022 | 12:15:00 - 12:30:00 | 2 | 1 | 3 | 2 | 0 | 4.0 | 357.6 | 2.5 | 48.5 | 996.2 |
| 03/27/2022 | 12:30:00 - 12:45:00 | 2 | 1 | 3 | 2 | 0 | 4.1 | 346.5 | 2.7 | 47.0 | 996.1 |
| 03/27/2022 | 12:45:00 - 13:00:00 | 2 | 1 | 2 | 2 | 0 | 4.2 | 351.2 | 2.8 | 46.8 | 996.0 |
| 03/27/2022 | 13:00:00 - 13:15:00 | 2 | 1 | 2 | 2 | 0 | 3.3 | 353.4 | 3.3 | 45.8 | 996.0 |
| 03/27/2022 | 13:15:00 - 13:30:00 | 2 | 1 | 2 | 2 | 0 | 4.2 | 325.4 | 3.0 | 46.3 | 995.9 |
| 03/27/2022 | 13:30:00 - 13:45:00 | 2 | 1 | 2 | 2 | 0 | 3.4 | 354.3 | 3.8 | 44.8 | 995.8 |
| 03/27/2022 | 13:45:00 - 14:00:00 | 3 | 1 | 3 | 3 | 1 | 3.8 | 354.6 | 3.5 | 45.8 | 995.5 |
| 03/27/2022 | 14:00:00 - 14:15:00 | 3 | 1 | 3 | 2 | 0 | 4.3 | 346.7 | 3.9 | 44.3 | 995.4 |
| 03/27/2022 | 14:15:00 - 14:30:00 | 3 | 1 | 3 | 2 | 0 | 4.4 | 4.2 | 4.0 | 43.6 | 995.5 |
| 03/27/2022 | 14:30:00 - 14:45:00 | 2 | 1 | 2 | 2 | 0 | 3.9 | 350.1 | 4.2 | 42.7 | 995.4 |
| 03/27/2022 | 14:45:00 - 15:00:00 | 3 | 1 | 3 | 2 | 0 | 3.2 | 357.4 | 4.5 | 43.3 | 995.2 |
| 03/27/2022 | 15:00:00 - 15:15:00 | 2 | 1 | 2 | 2 | 0 | 3.8 | 347.7 | 4.4 | 43.7 | 995.2 |
| 03/27/2022 | 15:15:00 - 15:30:00 | 3 | 1 | 3 | 2 | 0 | 3.8 | 358.4 | 4.7 | 44.1 | 995.2 |
| 03/27/2022 | 15:30:00 - 15:45:00 | 3 | 1 | 3 | 3 | 0 | 3.3 | 327.2 | 4.6 | 43.1 | 995.2 |
| 03/27/2022 | 15:45:00 - 16:00:00 | 2 | 1 | 3 | 2 | 0 | 4.1 | 340.8 | 4.6 | 41.7 | 995.3 |
| 03/27/2022 | 16:00:00 - 16:15:00 | 2 | 1 | 3 | 2 | 0 | 4.3 | 334.6 | 4.3 | 41.4 | 995.2 |
| 03/27/2022 | 16:15:00 - 16:30:00 | 2 | 1 | 3 | 2 | 0 | 3.8 | 341.6 | 4.4 | 42.0 | 995.1 |
| 03/27/2022 | 16:30:00 - 16:45:00 | 3 | 1 | 3 | 2 | 0 | 3.7 | 351.2 | 4.4 | 41.2 | 995.2 |
| 03/27/2022 | 16:45:00 - 17:00:00 | 3 | 1 | 3 | 2 | 0 | 3.0 | 343.5 | 4.5 | 41.2 | 995.2 |
| 03/27/2022 | 17:00:00 - 17:15:00 | 3 | 1 | 3 | 2 | 0 | 3.3 | 340.4 | 4.4 | 41.5 | 995.3 |
| 03/27/2022 | 17:15:00 - 17:30:00 | 2 | 1 | 3 | 2 | 0 | 3.4 | 345.9 | 4.2 | 42.2 | 995.2 |
| 03/27/2022 | 17:30:00 - 17:45:00 | 3 | 1 | 3 | 3 | 1 | 2.2 | 329.8 | 3.9 | 42.4 | 995.1 |
| 03/27/2022 | 17:45:00 - 18:00:00 | 3 | 1 | 3 | 2 | 0 | 3.0 | 346.4 | 3.7 | 43.1 | 995.0 |
| 03/27/2022 | 18:00:00 - 18:15:00 | 3 | 1 | 3 | 3 | 1 | 2.7 | 325.5 | 3.1 | 43.3 | 995.0 |
| 03/27/2022 | 18:15:00 - 18:30:00 | 3 | 1 | 3 | 3 | 1 | 2.4 | 338.5 | 2.8 | 44.7 | 995.1 |
| 03/27/2022 | 18:30:00 - 18:45:00 | 3 | 2 | 3 | 3 | 1 | 2.2 | 354.7 | 2.4 | 46.0 | 995.1 |
| 03/27/2022 | 18:45:00 - 19:00:00 | 3 | 2 | 4 | 3 | 2 | 1.6 | 351.4 | 1.9 | 49.1 | 995.1 |
| 03/27/2022 | 19:00:00 - 19:15:00 | 3 | 2 | 5 | 4 | 3 | 2.2 | 14.1 | 1.6 | 51.4 | 995.1 |
| 03/27/2022 | 19:15:00 - 19:30:00 | 4 | 1 | 5 | 6 | 6 | 0.9 | 23.6 | 1.1 | 55.2 | 995.2 |
| 03/27/2022 | 19:30:00 - 19:45:00 | 3 | 1 | 4 | 4 | 4 | 1.6 | 11.7 | 0.7 | 56.8 | 995.2 |
| 03/27/2022 | 19:45:00 - 20:00:00 | 3 | 2 | 4 | 3 | 3 | 0.4 | 32.9 | 0.3 | 58.4 | 995.4 |
| 03/27/2022 | 20:00:00 - 20:15:00 | 4 | 2 | 5 | 4 | 3 | 0.5 | 78.0 | -0.2 | 59.6 | 995.3 |
| 03/27/2022 | 20:15:00 - 20:30:00 | 3 | 2 | 4 | 4 | 4 | 0.3 | 32.1 | -0.4 | 60.8 | 995.3 |
| 03/27/2022 | 20:30:00 - 20:45:00 | 3 | 2 | 4 | 4 | 3 | 0.3 | 4.3 | -0.6 | 61.7 | 995.4 |
| 03/27/2022 | 20:45:00 - 21:00:00 | 2 | 1 | 4 | 3 | 2 | 0.4 | 44.0 | -0.9 | 62.4 | 995.5 |
| 03/27/2022 | 21:00:00 - 21:15:00 | 2 | 1 | 4 | 3 | 2 | 0.4 | 67.3 | -1.1 | 63.5 | 995.5 |
| 03/27/2022 | 21:15:00 - 21:30:00 | 2 | 1 | 4 | 3 | 3 | 0.8 | 72.6 | -1.3 | 64.9 | 995.5 |
| 03/27/2022 | 21:30:00 - 21:45:00 | 2 | 2 | 4 | 3 | 3 | 0.8 | 71.7 | -1.6 | 66.7 | 995.5 |
| 03/27/2022 | 21:45:00 - 22:00:00 | 2 | 2 | 4 | 3 | 3 | 0.9 | 47.3 | -1.7 | 68.0 | 995.6 |
| 03/27/2022 | 22:00:00 - 22:15:00 | 3 | 2 | 4 | 3 | 3 | 0.6 | 62.7 | -2.0 | 69.2 | 995.6 |
| 03/27/2022 | 22:15:00 - 22:30:00 | 3 | 2 | 4 | 3 | 3 | 0.6 | 69.1 | -2.5 | 71.0 | 995.6 |
| 03/27/2022 | 22:30:00 - 22:45:00 | 3 | 2 | 4 | 3 | 3 | 0.7 | 43.6 | -2.5 | 72.0 | 995.6 |
| 03/27/2022 | 22:45:00 - 23:00:00 | 3 | 2 | 4 | 3 | 4 | 0.6 | 58.5 | -2.5 | 71.1 | 995.6 |
| 03/27/2022 | 23:00:00 - 23:15:00 | 3 | 2 | 4 | 3 | 3 | 0.6 | 83.6 | -3.1 | 72.2 | 995.6 |
| 03/27/2022 | 23:15:00 - 23:30:00 | 3 | 2 | 4 | 3 | 3 | 0.7 | 134.8 | -3.4 | 73.0 | 995.7 |
| 03/27/2022 | 23:30:00 - 23:45:00 | 3 | 2 | 4 | 3 | 4 | 0.3 | 126.6 | -3.4 | 73.7 | 995.7 |
| 03/28/2022 | 23:45:00 - 00:00:00 | 3 | 2 | 4 | 3 | 3 | 0.3 | 30.1 | -3.6 | 75.2 | 995.7 |
| 03/28/2022 | 00:00:00 - 00:15:00 | 3 | 3 | 4 | 3 | 4 | 0.2 | 50.5 | -3.4 | 76.0 | 995.6 |
| 03/28/2022 | 00:15:00 - 00:30:00 | 3 | 3 | 4 | 3 | 4 | 0.3 | 26.9 | -3.9 | 77.6 | 995.6 |
| 03/28/2022 | 00:30:00 - 00:45:00 | 3 | 3 | 4 | 4 | 4 | 0.3 | 343.8 | -4.1 | 79.0 | 995.6 |
| 03/28/2022 | 00:45:00 - 01:00:00 | 3 | 3 | 4 | 4 | 5 | 0.4 | 353.0 | -3.8 | 78.4 | 995.8 |
| 03/28/2022 | 01:00:00 - 01:15:00 | 4 | 4 | 5 | 5 | 5 | 0.5 | 62.9 | -4.0 | 78.7 | 995.8 |
| 03/28/2022 | 01:15:00 - 01:30:00 | 4 | 4 | 5 | 4 | 5 | 0.6 | 47.5 | -4.3 | 80.0 | 995.8 |
| 03/28/2022 | 01:30:00 - 01:45:00 | 4 | 3 | 5 | 5 | 5 | 0.6 | 340.1 | -4.3 | 80.3 | 995.7 |
| 03/28/2022 | 01:45:00 - 02:00:00 | 4 | 3 | 5 | 5 | 5 | 0.7 | 353.1 | -4.3 | 80.0 | 995.7 |
| 03/28/2022 | 02:00:00 - 02:15:00 | 3 | 3 | 5 | 4 | 5 | 0.7 | 356.6 | -4.2 | 79.4 | 995.7 |
| 03/28/2022 | 02:15:00 - 02:30:00 | 3 | 3 | 4 | 4 | 4 | 0.8 | 352.8 | -4.0 | 79.4 | 995.7 |
| 03/28/2022 | 02:30:00 - 02:45:00 | 3 | 3 | 4 | 4 | 5 | 0.5 | 346.7 | -4.2 | 78.1 | 995.7 |
| 03/28/2022 | 02:45:00 - 03:00:00 | 3 | 3 | 4 | 4 | 5 | 0.5 | 0.4 | -4.3 | 76.9 | 995.7 |
| 03/28/2022 | 03:00:00 - 03:15:00 | 4 | 3 | 5 | 4 | 5 | 0.6 | 331.4 | -4.1 | 76.1 | 995.7 |
| 03/28/2022 | 03:15:00 - 03:30:00 | 3 | 3 | 5 | 4 | 5 | 0.6 | 333.6 | -3.8 | 73.7 | 995.7 |
| 03/28/2022 | 03:30:00 - 03:45:00 | 3 | 3 | 5 | 4 | 5 | 0.5 | 334.4 | -3.6 | 71.5 | 995.9 |
| 03/28/2022 | 03:45:00 - 04:00:00 | 3 | 3 | 4 | 4 | 5 | 0.9 | 313.1 | -3.3 | 69.9 | 996.0 |
| 03/28/2022 | 04:00:00 - 04:15:00 | 3 | 4 | 5 | 4 | 5 | 0.7 | 323.4 | -3.4 | 69.9 | 996.0 |
| 03/28/2022 | 04:15:00 - 04:30:00 | 3 | 3 | 5 | 4 | 5 | 0.8 | 319.3 | -3.6 | 71.0 | 996.0 |
| 03/28/2022 | 04:30:00 - 04:45:00 | 4 | 4 | 5 | 4 | 5 | 0.7 | 328.7 | -3.6 | 71.0 | 996.1 |
| 03/28/2022 | 04:45:00 - 05:00:00 | 3 | 4 | 5 | 4 | 5 | 0.9 | 329.6 | -3.7 | 70.2 | 996.2 |
| 03/28/2022 | 05:00:00 - 05:15:00 | 4 | 4 | 5 | 4 | 5 | 1.0 | 354.8 | -3.6 | 69.6 | 996.4 |
| 03/28/2022 | 05:15:00 - 05:30:00 | 3 | 3 | 5 | 4 | 5 | 2.1 | 352.4 | -3.4 | 67.4 | 996.6 |
| 03/28/2022 | 05:30:00 - 05:45:00 | 4 | 3 | 5 | 4 | 5 | 2.4 | 349.0 | -3.4 | 67.6 | 996.8 |
| 03/28/2022 | 05:45:00 - 06:00:00 | 4 | 3 | 4 | 4 | 5 | 1.4 | 351.4 | -3.7 | 70.0 | 996.9 |
| 03/28/2022 | 06:00:00 - 06:15:00 | 4 | 3 | 5 | 4 | 5 | 1.5 | 353.0 | -4.0 | 71.9 | 997.1 |
| 03/28/2022 | 06:15:00 - 06:30:00 | 6 | 3 | 6 | 4 | 5 | 2.3 | 0.9 | -4.1 | 73.7 | 997.2 |
| 03/28/2022 | 06:30:00 - 06:45:00 | 5 | 3 | 5 | 4 | 5 | 2.5 | 358.2 | -4.1 | 75.0 | 997.3 |
| 03/28/2022 | 06:45:00 - 07:00:00 | 4 | 3 | 5 | 4 | 5 | 1.9 | 8.7 | -3.5 | 74.3 | 997.5 |
| 03/28/2022 | 07:00:00 - 07:15:00 | 4 | 4 | 5 | 5 | 6 | 2.0 | 18.9 | -3.0 | 72.2 | 997.8 |
| 03/28/2022 | 07:15:00 - 07:30:00 | 6 | 4 | 7 | 6 | 7 | 2.1 | 19.3 | -2.7 | 70.5 | 998.0 |
| 03/28/2022 | 07:30:00 - 07:45:00 | 7 | 4 | 7 | 6 | 8 | 2.8 | 35.4 | -2.0 | 66.0 | 998.2 |
| 03/28/2022 | 07:45:00 - 08:00:00 | 4 | 3 | 5 | 5 | 7 | 2.9 | 31.0 | -1.6 | 63.2 | 998.3 |
| 03/28/2022 | 08:00:00 - 08:15:00 | 4 | 3 | 7 | 4 | 6 | 3.4 | 34.8 | -1.2 | 59.1 | 998.3 |
| 03/28/2022 | 08:15:00 - 08:30:00 | 4 | 3 | 6 | 4 | 6 | 3.3 | 23.5 | -0.9 | 52.4 | 998.4 |
| 03/28/2022 | 08:30:00 - 08:45:00 | 3 | 2 | 5 | 3 | 6 | 3.9 | 28.5 | -0.5 | 46.5 | 998.6 |
| 03/28/2022 | 08:45:00 - 09:00:00 | 3 | 2 | 5 | 3 | 4 | 4.3 | 45.5 | -0.7 | 47.0 | 998.7 |
| 03/28/2022 | 09:00:00 - 09:15:00 | 2 | 2 | 4 | 3 | 3 | 3.0 | 53.3 | 0.2 | 47.9 | 999.0 |
| 03/28/2022 | 09:15:00 - 09:30:00 | 2 | 2 | 4 | 3 | 2 | 3.2 | 36.1 | 0.7 | 43.1 | 999.2 |
| 03/28/2022 | 09:30:00 - 09:45:00 | 2 | 1 | 4 | 3 | 1 | 5.1 | 66.9 | 0.7 | 40.7 | 999.3 |
| 03/28/2022 | 09:45:00 - 10:00:00 | 2 | 1 | 4 | 3 | 2 | 4.4 | 51.6 | 1.0 | 38.9 | 999.5 |
| 03/28/2022 | 10:00:00 - 10:15:00 | 2 | 1 | 3 | 3 | 2 | 4.6 | 60.2 | 1.1 | 38.1 | 999.6 |
| 03/28/2022 | 10:15:00 - 10:30:00 | 2 | 1 | 3 | 3 | 2 | 2.9 | 41.3 | 2.1 | 37.1 | 999.8 |
| 03/28/2022 | 10:30:00 - 10:45:00 | 2 | 1 | 4 | 3 | 2 | 3.8 | 45.0 | 2.5 | 36.8 | 999.9 |
| 03/28/2022 | 10:45:00 - 11:00:00 | 3 | 1 | 4 | 3 | 2 | 2.8 | 32.3 | 2.9 | 35.6 | 999.8 |
| 03/28/2022 | 11:00:00 - 11:15:00 | 3 | 1 | 4 | 3 | 2 | 2.9 | 19.7 | 2.9 | 35.2 | 999.9 |
| 03/28/2022 | 11:15:00 - 11:30:00 | 7 | 1 | 6 | 3 | 2 | 4.0 | 63.7 | 3.2 | 35.4 | 1000.0 |
| 03/28/2022 | 11:30:00 - 11:45:00 | 3 | 2 | 3 | 3 | 2 | 3.7 | 22.4 | 3.1 | 35.8 | 1000.1 |
| 03/28/2022 | 11:45:00 - 12:00:00 | 3 | 1 | 3 | 2 | 0 | 2.8 | 43.8 | 3.7 | 35.1 | 1000.0 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 03/28/2022 | 12:00:00 - 12:15:00 | 3 | 1 | 4 | 2 | 0 | 2.9 | 41.3 | 3.8 | 35.4 | 999.9 |
| 03/28/2022 | 12:15:00 - 12:30:00 | 3 | 1 | 3 | 2 | 1 | 3.5 | 51.9 | 4.0 | 35.2 | 999.7 |
| 03/28/2022 | 12:30:00 - 12:45:00 | 2 | 1 | 3 | 2 | 0 | 4.4 | 77.8 | 3.6 | 36.0 | 999.6 |
| 03/28/2022 | 12:45:00 - 13:00:00 | 3 | 1 | 3 | 3 | 1 | 3.5 | 49.3 | 4.4 | 37.6 | 999.4 |
| 03/28/2022 | 13:00:00 - 13:15:00 | 4 | 1 | 4 | 3 | 3 | 2.5 | 30.9 | 4.8 | 38.6 | 999.2 |
| 03/28/2022 | 13:15:00 - 13:30:00 | 4 | 1 | 4 | 3 | 6 | 4.4 | 38.5 | 4.7 | 38.4 | 998.9 |
| 03/28/2022 | 13:30:00 - 13:45:00 | 3 | 1 | 3 | 3 | 7 | 3.6 | 51.3 | 4.7 | 40.5 | 998.7 |
| 03/28/2022 | 13:45:00 - 14:00:00 | 4 | 1 | 3 | 3 | 3 | 2.2 | 66.3 | 5.4 | 40.5 | 998.6 |
| 03/28/2022 | 14:00:00 - 14:15:00 | 4 | 1 | 4 | 4 | 2 | 4.6 | 56.7 | 5.2 | 41.5 | 998.4 |
| 03/28/2022 | 14:15:00 - 14:30:00 | 4 | 1 | 3 | 3 | 4 | 3.3 | 65.0 | 4.7 | 40.2 | 998.3 |
| 03/28/2022 | 14:30:00 - 14:45:00 | 3 | 2 | 3 | 3 | 2 | 3.1 | 67.7 | 4.9 | 41.7 | 998.2 |
| 03/28/2022 | 14:45:00 - 15:00:00 | 3 | 2 | 3 | 4 | 3 | 5.6 | 85.0 | 5.0 | 39.9 | 998.0 |
| 03/28/2022 | 15:00:00 - 15:15:00 | 3 | 2 | 3 | 4 | 3 | 3.1 | 55.5 | 5.1 | 40.6 | 997.8 |
| 03/28/2022 | 15:15:00 - 15:30:00 | 4 | 2 | 3 | 3 | 2 | 5.0 | 73.5 | 5.1 | 41.3 | 997.6 |
| 03/28/2022 | 15:30:00 - 15:45:00 | 4 | 2 | 3 | 3 | 4 | 3.2 | 49.1 | 5.3 | 39.2 | 997.4 |
| 03/28/2022 | 15:45:00 - 16:00:00 | 3 | 2 | 3 | 3 | 2 | 5.7 | 69.1 | 4.8 | 39.3 | 997.3 |
| 03/28/2022 | 16:00:00 - 16:15:00 | 3 | 2 | 3 | 3 | 1 | 3.2 | 70.5 | 5.3 | 38.9 | 997.2 |
| 03/28/2022 | 16:15:00 - 16:30:00 | 4 | 2 | 4 | 3 | 2 | 4.2 | 57.2 | 5.3 | 38.0 | 997.1 |
| 03/28/2022 | 16:30:00 - 16:45:00 | 4 | 2 | 4 | 4 | 2 | 3.2 | 34.3 | 5.5 | 38.2 | 997.0 |
| 03/28/2022 | 16:45:00 - 17:00:00 | 4 | 2 | 4 | 4 | 3 | 4.2 | 52.6 | 5.0 | 40.3 | 997.0 |
| 03/28/2022 | 17:00:00 - 17:15:00 | 4 | 2 | 4 | 4 | 2 | 5.2 | 81.7 | 4.6 | 41.3 | 997.0 |
| 03/28/2022 | 17:15:00 - 17:30:00 | 4 | 2 | 4 | 4 | 2 | 4.2 | 45.7 | 4.7 | 43.4 | 997.0 |
| 03/28/2022 | 17:30:00 - 17:45:00 | 4 | 2 | 4 | 4 | 2 | 4.3 | 67.2 | 4.3 | 43.4 | 996.9 |
| 03/28/2022 | 17:45:00 - 18:00:00 | 6 | 4 | 5 | 5 | 4 | 3.5 | 81.6 | 4.2 | 43.9 | 997.1 |
| 03/28/2022 | 18:00:00 - 18:15:00 | 7 | 5 | 6 | 6 | 6 | 5.0 | 80.0 | 3.9 | 44.2 | 997.1 |
| 03/28/2022 | 18:15:00 - 18:30:00 | 5 | 3 | 5 | 4 | 3 | 4.9 | 70.9 | 3.8 | 45.0 | 996.9 |
| 03/28/2022 | 18:30:00 - 18:45:00 | 4 | 2 | 4 | 4 | 2 | 5.8 | 95.4 | 3.7 | 45.3 | 996.9 |
| 03/28/2022 | 18:45:00 - 19:00:00 | 4 | 2 | 4 | 4 | 2 | 4.3 | 90.3 | 3.5 | 46.2 | 997.0 |
| 03/28/2022 | 19:00:00 - 19:15:00 | 5 | 4 | 5 | 6 | 4 | 4.3 | 88.8 | 3.4 | 48.1 | 997.0 |
| 03/28/2022 | 19:15:00 - 19:30:00 | 5 | 3 | 5 | 5 | 4 | 4.4 | 84.2 | 3.2 | 49.7 | 997.0 |
| 03/28/2022 | 19:30:00 - 19:45:00 | 5 | 4 | 6 | 6 | 4 | 4.6 | 80.2 | 3.1 | 50.2 | 997.1 |
| 03/28/2022 | 19:45:00 - 20:00:00 | 7 | 6 | 7 | 7 | 7 | 5.6 | 83.9 | 3.0 | 50.4 | 997.2 |
| 03/28/2022 | 20:00:00 - 20:15:00 | 7 | 7 | 8 | 8 | 8 | 6.0 | 83.9 | 2.9 | 51.3 | 997.4 |
| 03/28/2022 | 20:15:00 - 20:30:00 | 7 | 5 | 7 | 7 | 7 | 5.0 | 87.3 | 2.8 | 52.4 | 997.6 |
| 03/28/2022 | 20:30:00 - 20:45:00 | 6 | 5 | 7 | 6 | 6 | 4.3 | 84.9 | 2.6 | 53.1 | 997.8 |
| 03/28/2022 | 20:45:00 - 21:00:00 | 6 | 4 | 6 | 6 | 6 | 4.9 | 92.8 | 2.5 | 54.2 | 997.8 |
| 03/28/2022 | 21:00:00 - 21:15:00 | 5 | 4 | 6 | 5 | 5 | 4.7 | 84.5 | 2.2 | 57.2 | 997.9 |
| 03/28/2022 | 21:15:00 - 21:30:00 | 6 | 4 | 6 | 6 | 5 | 5.2 | 86.1 | 1.9 | 57.1 | 997.9 |
| 03/28/2022 | 21:30:00 - 21:45:00 | 6 | 4 | 6 | 6 | 6 | 4.3 | 68.0 | 1.5 | 57.6 | 997.9 |
| 03/28/2022 | 21:45:00 - 22:00:00 | 4 | 3 | 5 | 5 | 4 | 4.9 | 80.2 | 1.2 | 59.5 | 997.9 |
| 03/28/2022 | 22:00:00 - 22:15:00 | 3 | 3 | 5 | 4 | 4 | 4.6 | 62.1 | 0.7 | 61.5 | 997.7 |
| 03/28/2022 | 22:15:00 - 22:30:00 | 3 | 2 | 4 | 4 | 4 | 6.2 | 81.5 | 0.4 | 63.7 | 997.5 |
| 03/28/2022 | 22:30:00 - 22:45:00 | 4 | 3 | 5 | 4 | 4 | 6.8 | 81.5 | 0.2 | 63.4 | 997.2 |
| 03/28/2022 | 22:45:00 - 23:00:00 | 3 | 3 | 5 | 4 | 4 | 5.7 | 85.4 | 0.0 | 63.5 | 997.3 |
| 03/28/2022 | 23:00:00 - 23:15:00 | 3 | 2 | 4 | 4 | 3 | 6.6 | 84.5 | -0.2 | 64.3 | 997.2 |
| 03/28/2022 | 23:15:00 - 23:30:00 | 3 | 2 | 4 | 4 | 3 | 6.4 | 84.4 | -0.3 | 65.8 | 997.3 |
| 03/28/2022 | 23:30:00 - 23:45:00 | 3 | 2 | 4 | 3 | 3 | 5.4 | 86.8 | -0.4 | 67.0 | 997.2 |
| 03/28/2022 | 23:45:00 - 00:00:00 | 2 | 2 | 4 | 3 | 3 | 4.7 | 79.6 | -0.5 | 68.4 | 997.3 |
| 03/29/2022 | 00:00:00 - 00:15:00 | 2 | 2 | 4 | 3 | 3 | 6.1 | 87.6 | -0.6 | 68.5 | 997.3 |
| 03/29/2022 | 00:15:00 - 00:30:00 | 2 | 2 | 4 | 3 | 2 | 5.8 | 86.5 | -0.7 | 67.8 | 997.2 |
| 03/29/2022 | 00:30:00 - 00:45:00 | 2 | 1 | 4 | 3 | 2 | 4.8 | 82.4 | -0.8 | 69.0 | 997.0 |
| 03/29/2022 | 00:45:00 - 01:00:00 | 2 | 1 | 3 | 3 | 2 | 5.7 | 92.7 | -0.8 | 69.1 | 996.8 |
| 03/29/2022 | 01:00:00 - 01:15:00 | 2 | 1 | 3 | 3 | 2 | 4.5 | 98.5 | -0.8 | 68.7 | 997.2 |
| 03/29/2022 | 01:15:00 - 01:30:00 | 1 | 1 | 3 | 2 | 2 | 4.8 | 84.0 | -0.8 | 68.9 | 997.2 |
| 03/29/2022 | 01:30:00 - 01:45:00 | 1 | 1 | 3 | 3 | 2 | 6.0 | 88.3 | -0.8 | 70.1 | 997.2 |
| 03/29/2022 | 01:45:00 - 02:00:00 | 2 | 1 | 3 | 3 | 3 | 5.7 | 100.6 | -0.9 | 70.3 | 997.3 |
| 03/29/2022 | 02:00:00 - 02:15:00 | 2 | 1 | 3 | 3 | 2 | 5.7 | 95.7 | -0.9 | 70.9 | 997.1 |
| 03/29/2022 | 02:15:00 - 02:30:00 | 2 | 2 | 3 | 4 | 2 | 5.9 | 91.6 | -0.9 | 71.0 | 996.8 |
| 03/29/2022 | 02:30:00 - 02:45:00 | 2 | 2 | 3 | 3 | 2 | 6.1 | 95.3 | -0.8 | 70.8 | 996.5 |
| 03/29/2022 | 02:45:00 - 03:00:00 | 2 | 1 | 3 | 3 | 2 | 6.3 | 94.4 | -0.8 | 70.6 | 996.2 |
| 03/29/2022 | 03:00:00 - 03:15:00 | 2 | 1 | 3 | 3 | 2 | 5.8 | 92.6 | -0.8 | 70.3 | 996.1 |
| 03/29/2022 | 03:15:00 - 03:30:00 | 2 | 1 | 4 | 3 | 2 | 5.9 | 99.7 | -0.9 | 70.7 | 996.0 |
| 03/29/2022 | 03:30:00 - 03:45:00 | 2 | 1 | 4 | 3 | 2 | 6.5 | 95.7 | -0.9 | 71.0 | 995.9 |
| 03/29/2022 | 03:45:00 - 04:00:00 | 2 | 1 | 4 | 3 | 2 | 7.0 | 97.1 | -0.8 | 70.1 | 995.8 |
| 03/29/2022 | 04:00:00 - 04:15:00 | 2 | 2 | 4 | 3 | 2 | 7.8 | 96.2 | -0.8 | 69.7 | 995.5 |
| 03/29/2022 | 04:15:00 - 04:30:00 | 2 | 2 | 4 | 3 | 2 | 6.5 | 103.2 | -0.7 | 69.4 | 995.4 |
| 03/29/2022 | 04:30:00 - 04:45:00 | 2 | 2 | 4 | 3 | 2 | 6.8 | 95.1 | -0.7 | 68.7 | 995.3 |
| 03/29/2022 | 04:45:00 - 05:00:00 | 2 | 2 | 4 | 3 | 3 | 8.1 | 97.3 | -0.6 | 67.6 | 995.0 |
| 03/29/2022 | 05:00:00 - 05:15:00 | 3 | 2 | 4 | 3 | 3 | 7.3 | 101.3 | -0.5 | 68.2 | 994.8 |
| 03/29/2022 | 05:15:00 - 05:30:00 | 2 | 2 | 4 | 3 | 3 | 8.1 | 90.2 | -0.6 | 68.9 | 994.7 |
| 03/29/2022 | 05:30:00 - 05:45:00 | 2 | 2 | 4 | 3 | 2 | 7.9 | 98.1 | -0.6 | 70.0 | 994.7 |
| 03/29/2022 | 05:45:00 - 06:00:00 | 2 | 2 | 4 | 3 | 2 | 8.2 | 96.4 | -0.7 | 71.0 | 994.6 |
| 03/29/2022 | 06:00:00 - 06:15:00 | 2 | 1 | 4 | 3 | 2 | 6.5 | 92.0 | -0.6 | 71.2 | 994.8 |
| 03/29/2022 | 06:15:00 - 06:30:00 | 2 | 1 | 4 | 3 | 3 | 8.1 | 96.8 | -0.5 | 71.6 | 994.8 |
| 03/29/2022 | 06:30:00 - 06:45:00 | 2 | 2 | 4 | 3 | 2 | 6.0 | 104.7 | -0.3 | 71.5 | 995.0 |
| 03/29/2022 | 06:45:00 - 07:00:00 | 2 | 2 | 4 | 3 | 2 | 7.2 | 106.3 | -0.2 | 70.8 | 995.0 |
| 03/29/2022 | 07:00:00 - 07:15:00 | 2 | 2 | 4 | 3 | 2 | 8.0 | 99.2 | -0.1 | 71.0 | 994.6 |
| 03/29/2022 | 07:15:00 - 07:30:00 | 2 | 2 | 4 | 4 | 3 | 7.9 | 97.6 | 0.1 | 70.7 | 994.4 |
| 03/29/2022 | 07:30:00 - 07:45:00 | 2 | 2 | 4 | 4 | 4 | 7.7 | 101.7 | 0.4 | 69.7 | 994.5 |
| 03/29/2022 | 07:45:00 - 08:00:00 | 3 | 2 | 5 | 5 | 4 | 8.3 | 101.5 | 0.5 | 68.9 | 994.5 |
| 03/29/2022 | 08:00:00 - 08:15:00 | 3 | 2 | 5 | 7 | 7 | 7.8 | 105.8 | 0.7 | 68.7 | 994.5 |
| 03/29/2022 | 08:15:00 - 08:30:00 | 3 | 2 | 5 | 10 | 6 | 6.8 | 111.9 | 0.8 | 68.1 | 994.4 |
| 03/29/2022 | 08:30:00 - 08:45:00 | 3 | 3 | 5 | 10 | 5 | 7.7 | 107.0 | 0.9 | 67.5 | 994.5 |
| 03/29/2022 | 08:45:00 - 09:00:00 | 3 | 3 | 5 | 8 | 5 | 7.7 | 108.9 | 1.1 | 67.1 | 994.5 |
| 03/29/2022 | 09:00:00 - 09:15:00 | 4 | 3 | 5 | 8 | 5 | 7.2 | 106.1 | 1.3 | 66.7 | 994.6 |
| 03/29/2022 | 09:15:00 - 09:30:00 | 4 | 3 | 5 | 6 | 5 | 6.4 | 106.7 | 1.6 | 66.4 | 994.6 |
| 03/29/2022 | 09:30:00 - 09:45:00 | 4 | 3 | 5 | 12 | 5 | 6.1 | 114.0 | 1.9 | 65.1 | 994.6 |
| 03/29/2022 | 09:45:00 - 10:00:00 | 4 | 3 | 5 | 8 | 6 | 6.7 | 111.4 | 2.1 | 63.9 | 994.6 |
| 03/29/2022 | 10:00:00 - 10:15:00 | 4 | 3 | 6 | 26 | 7 | 6.2 | 117.3 | 2.5 | 62.6 | 994.5 |
| 03/29/2022 | 10:15:00 - 10:30:00 | 5 | 4 | 6 | 10 | 7 | 6.9 | 112.7 | 2.7 | 61.9 | 994.4 |
| 03/29/2022 | 10:30:00 - 10:45:00 | 4 | 4 | 5 | 8 | 6 | 8.6 | 103.5 | 2.8 | 61.5 | 993.7 |
| 03/29/2022 | 10:45:00 - 11:00:00 | 4 | 3 | 5 | 10 | 5 | 9.5 | 99.6 | 2.7 | 64.7 | 993.6 |
| 03/29/2022 | 11:00:00 - 11:15:00 | 4 | 3 | 5 | 6 | 4 | 7.7 | 109.9 | 2.9 | 63.5 | 993.3 |
| 03/29/2022 | 11:15:00 - 11:30:00 | 4 | 3 | 5 | 5 | 4 | 7.6 | 107.3 | 3.2 | 61.3 | 993.0 |
| 03/29/2022 | 11:30:00 - 11:45:00 | 4 | 3 | 5 | 5 | 4 | 8.2 | 105.7 | 3.6 | 59.8 | 992.6 |
| 03/29/2022 | 11:45:00 - 12:00:00 | 4 | 3 | 5 | 6 | 4 | 9.3 | 103.8 | 3.8 | 58.2 | 992.1 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 03/29/2022 | 12:00:00 - 12:15:00 | 4 | 3 | 5 | 6 | 5 | 7.7 | 109.9 | 4.1 | 56.1 | 991.8 |
| 03/29/2022 | 12:15:00 - 12:30:00 | 4 | 3 | 5 | 9 | 4 | 8.1 | 107.5 | 4.2 | 54.6 | 991.4 |
| 03/29/2022 | 12:30:00 - 12:45:00 | 5 | 4 | 5 | 8 | 6 | 7.7 | 112.6 | 4.4 | 54.4 | 991.1 |
| 03/29/2022 | 12:45:00 - 13:00:00 | 4 | 3 | 6 | 8 | 7 | 8.0 | 114.5 | 4.6 | 52.4 | 990.9 |
| 03/29/2022 | 13:00:00 - 13:15:00 | 5 | 4 | 5 | 9 | 10 | 7.7 | 119.5 | 4.7 | 52.2 | 990.8 |
| 03/29/2022 | 13:15:00 - 13:30:00 | 4 | 4 | 5 | 7 | 5 | 6.4 | 123.1 | 4.9 | 51.6 | 990.4 |
| 03/29/2022 | 13:30:00 - 13:45:00 | 5 | 4 | 6 | 8 | 5 | 7.4 | 113.2 | 5.0 | 51.3 | 989.9 |
| 03/29/2022 | 13:45:00 - 14:00:00 | 5 | 4 | 5 | 8 | 5 | 7.8 | 110.3 | 5.2 | 51.0 | 989.5 |
| 03/29/2022 | 14:00:00 - 14:15:00 | 4 | 4 | 5 | 6 | 5 | 9.6 | 105.4 | 5.3 | 50.8 | 989.0 |
| 03/29/2022 | 14:15:00 - 14:30:00 | 4 | 3 | 5 | 8 | 3 | 10.7 | 101.0 | 5.4 | 50.0 | 988.4 |
| 03/29/2022 | 14:30:00 - 14:45:00 | 4 | 3 | 5 | 9 | 6 | 10.8 | 104.2 | 5.6 | 47.0 | 987.8 |
| 03/29/2022 | 14:45:00 - 15:00:00 | 4 | 3 | 4 | 9 | 3 | 9.8 | 107.1 | 5.7 | 46.5 | 987.4 |
| 03/29/2022 | 15:00:00 - 15:15:00 | 4 | 3 | 4 | 8 | 4 | 9.3 | 103.9 | 5.8 | 47.2 | 987.2 |
| 03/29/2022 | 15:15:00 - 15:30:00 | 4 | 3 | 4 | 6 | 2 | 7.4 | 112.5 | 6.0 | 47.6 | 987.0 |
| 03/29/2022 | 15:30:00 - 15:45:00 | 4 | 3 | 4 | 7 | 4 | 7.2 | 112.5 | 6.0 | 48.3 | 986.7 |
| 03/29/2022 | 15:45:00 - 16:00:00 | 4 | 3 | 4 | 8 | 4 | 7.9 | 116.7 | 6.1 | 47.6 | 986.3 |
| 03/29/2022 | 16:00:00 - 16:15:00 | 4 | 3 | 4 | 4 | 3 | 6.9 | 112.7 | 6.2 | 47.9 | 986.1 |
| 03/29/2022 | 16:15:00 - 16:30:00 | 4 | 3 | 4 | 6 | 3 | 7.5 | 117.9 | 6.0 | 48.1 | 986.2 |
| 03/29/2022 | 16:30:00 - 16:45:00 | 4 | 3 | 5 | 7 | 5 | 7.6 | 108.4 | 6.0 | 49.3 | 985.9 |
| 03/29/2022 | 16:45:00 - 17:00:00 | 4 | 3 | 5 | 6 | 7 | 7.6 | 119.4 | 5.9 | 48.8 | 985.9 |
| 03/29/2022 | 17:00:00 - 17:15:00 | 5 | 4 | 5 | 17 | 5 | 8.5 | 112.0 | 5.9 | 48.9 | 985.8 |
| 03/29/2022 | 17:15:00 - 17:30:00 | 6 | 5 | 6 | 11 | 7 | 7.1 | 116.9 | 5.9 | 50.1 | 985.6 |
| 03/29/2022 | 17:30:00 - 17:45:00 | 6 | 5 | 6 | 7 | 6 | 6.9 | 113.3 | 6.0 | 50.4 | 985.3 |
| 03/29/2022 | 17:45:00 - 18:00:00 | 7 | 5 | 7 | 6 | 6 | 8.0 | 109.1 | 6.1 | 50.6 | 985.0 |
| 03/29/2022 | 18:00:00 - 18:15:00 | 6 | 4 | 6 | 6 | 5 | 7.2 | 119.0 | 6.0 | 50.1 | 984.8 |
| 03/29/2022 | 18:15:00 - 18:30:00 | 5 | 3 | 5 | 6 | 4 | 8.2 | 111.4 | 5.9 | 50.2 | 984.6 |
| 03/29/2022 | 18:30:00 - 18:45:00 | 4 | 3 | 5 | 15 | 3 | 9.2 | 109.6 | 5.8 | 50.8 | 984.3 |
| 03/29/2022 | 18:45:00 - 19:00:00 | 4 | 3 | 4 | 5 | 2 | 9.1 | 102.3 | 5.7 | 52.1 | 983.9 |
| 03/29/2022 | 19:00:00 - 19:15:00 | 3 | 3 | 4 | 4 | 2 | 7.7 | 105.9 | 5.5 | 53.1 | 983.9 |
| 03/29/2022 | 19:15:00 - 19:30:00 | 4 | 3 | 4 | 4 | 2 | 8.1 | 111.2 | 5.5 | 53.2 | 983.7 |
| 03/29/2022 | 19:30:00 - 19:45:00 | 4 | 3 | 4 | 4 | 2 | 7.8 | 108.7 | 5.4 | 53.2 | 983.3 |
| 03/29/2022 | 19:45:00 - 20:00:00 | 4 | 3 | 5 | 4 | 3 | 8.3 | 111.0 | 5.3 | 54.0 | 983.3 |
| 03/29/2022 | 20:00:00 - 20:15:00 | 4 | 3 | 5 | 4 | 3 | 8.1 | 114.5 | 5.2 | 54.6 | 983.2 |
| 03/29/2022 | 20:15:00 - 20:30:00 | 4 | 3 | 5 | 4 | 2 | 8.6 | 111.0 | 5.3 | 54.5 | 982.9 |
| 03/29/2022 | 20:30:00 - 20:45:00 | 4 | 3 | 5 | 4 | 3 | 9.2 | 105.2 | 5.2 | 55.5 | 982.8 |
| 03/29/2022 | 20:45:00 - 21:00:00 | 4 | 3 | 5 | 4 | 3 | 8.3 | 113.9 | 5.1 | 56.0 | 982.7 |
| 03/29/2022 | 21:00:00 - 21:15:00 | 4 | 4 | 5 | 5 | 4 | 7.4 | 113.4 | 5.0 | 56.5 | 982.4 |
| 03/29/2022 | 21:15:00 - 21:30:00 | 5 | 4 | 6 | 5 | 4 | 8.2 | 114.0 | 5.0 | 56.9 | 982.0 |
| 03/29/2022 | 21:30:00 - 21:45:00 | 5 | 4 | 6 | 6 | 5 | 7.8 | 110.8 | 5.0 | 57.1 | 981.8 |
| 03/29/2022 | 21:45:00 - 22:00:00 | 5 | 4 | 6 | 5 | 5 | 6.7 | 121.6 | 5.0 | 57.6 | 981.5 |
| 03/29/2022 | 22:00:00 - 22:15:00 | 5 | 4 | 6 | 5 | 5 | 6.7 | 121.3 | 5.1 | 57.7 | 981.6 |
| 03/29/2022 | 22:15:00 - 22:30:00 | 5 | 4 | 6 | 5 | 5 | 7.4 | 113.1 | 5.1 | 58.2 | 981.2 |
| 03/29/2022 | 22:30:00 - 22:45:00 | 5 | 4 | 6 | 5 | 4 | 6.4 | 129.8 | 5.3 | 58.0 | 981.3 |
| 03/29/2022 | 22:45:00 - 23:00:00 | 5 | 4 | 6 | 5 | 4 | 6.4 | 127.3 | 5.4 | 57.0 | 981.2 |
| 03/29/2022 | 23:00:00 - 23:15:00 | 4 | 4 | 5 | 5 | 4 | 7.8 | 123.1 | 5.4 | 57.0 | 981.2 |
| 03/29/2022 | 23:15:00 - 23:30:00 | 4 | 3 | 5 | 5 | 3 | 7.1 | 130.9 | 5.4 | 57.1 | 981.2 |
| 03/29/2022 | 23:30:00 - 23:45:00 | 4 | 3 | 5 | 4 | 3 | 6.2 | 124.9 | 5.5 | 57.9 | 981.1 |
| 03/30/2022 | 23:45:00 - 00:00:00 | 4 | 3 | 5 | 4 | 3 | 5.5 | 127.0 | 5.4 | 58.2 | 981.0 |
| 03/30/2022 | 00:00:00 - 00:15:00 | 4 | 3 | 5 | 4 | 3 | 5.5 | 127.0 | 5.4 | 58.2 | 981.0 |
| 03/30/2022 | 00:15:00 - 00:30:00 | 4 | 3 | 5 | 4 | 3 | 7.2 | 126.9 | 5.5 | 58.5 | 980.7 |
| 03/30/2022 | 00:30:00 - 00:45:00 | 4 | 3 | 5 | 4 | 2 | 6.1 | 123.2 | 5.7 | 59.0 | 980.4 |
| 03/30/2022 | 00:45:00 - 01:00:00 | 4 | 3 | 5 | 4 | 2 | 6.4 | 123.4 | 6.0 | 59.0 | 980.3 |
| 03/30/2022 | 01:00:00 - 01:15:00 | 4 | 3 | 5 | 4 | 2 | 6.5 | 123.3 | 6.2 | 58.9 | 980.2 |
| 03/30/2022 | 01:15:00 - 01:30:00 | 4 | 3 | 4 | 4 | 2 | 5.3 | 125.2 | 6.4 | 59.0 | 980.2 |
| 03/30/2022 | 01:30:00 - 01:45:00 | 3 | 3 | 4 | 4 | 2 | 5.3 | 139.0 | 6.7 | 58.8 | 980.2 |
| 03/30/2022 | 01:45:00 - 02:00:00 | 3 | 3 | 4 | 4 | 2 | 5.0 | 129.5 | 6.9 | 58.9 | 980.0 |
| 03/30/2022 | 02:00:00 - 02:15:00 | 3 | 3 | 4 | 4 | 2 | 5.2 | 131.3 | 7.0 | 59.9 | 979.7 |
| 03/30/2022 | 02:15:00 - 02:30:00 | 4 | 3 | 5 | 4 | 2 | 5.6 | 128.3 | 7.2 | 60.9 | 979.3 |
| 03/30/2022 | 02:30:00 - 02:45:00 | 4 | 3 | 5 | 4 | 2 | 5.8 | 131.4 | 7.3 | 61.4 | 979.0 |
| 03/30/2022 | 02:45:00 - 03:00:00 | 4 | 3 | 5 | 4 | 2 | 5.3 | 129.1 | 7.4 | 62.5 | 978.6 |
| 03/30/2022 | 03:00:00 - 03:15:00 | 4 | 3 | 5 | 5 | 3 | 5.3 | 131.8 | 7.6 | 63.2 | 978.3 |
| 03/30/2022 | 03:15:00 - 03:30:00 | 5 | 4 | 5 | 5 | 3 | 5.1 | 131.4 | 7.7 | 64.2 | 977.8 |
| 03/30/2022 | 03:30:00 - 03:45:00 | 5 | 4 | 5 | 5 | 3 | 5.8 | 137.3 | 7.8 | 65.6 | 977.5 |
| 03/30/2022 | 03:45:00 - 04:00:00 | 5 | 4 | 5 | 5 | 4 | 6.6 | 127.0 | 8.0 | 66.5 | 977.2 |
| 03/30/2022 | 04:00:00 - 04:15:00 | 5 | 4 | 6 | 6 | 4 | 7.1 | 130.2 | 8.0 | 68.2 | 977.0 |
| 03/30/2022 | 04:15:00 - 04:30:00 | 6 | 5 | 6 | 6 | 5 | 6.6 | 131.6 | 8.3 | 69.8 | 976.7 |
| 03/30/2022 | 04:30:00 - 04:45:00 | 6 | 5 | 6 | 6 | 5 | 6.2 | 130.3 | 8.6 | 70.9 | 976.4 |
| 03/30/2022 | 04:45:00 - 05:00:00 | 6 | 5 | 6 | 6 | 5 | 6.1 | 126.8 | 8.9 | 72.1 | 976.2 |
| 03/30/2022 | 05:00:00 - 05:15:00 | 7 | 6 | 7 | 7 | 6 | 5.7 | 128.4 | 9.2 | 73.9 | 976.0 |
| 03/30/2022 | 05:15:00 - 05:30:00 | 8 | 6 | 7 | 7 | 6 | 4.8 | 133.6 | 9.6 | 75.6 | 975.8 |
| 03/30/2022 | 05:30:00 - 05:45:00 | 8 | 6 | 8 | 8 | 7 | 5.6 | 133.0 | 9.9 | 76.6 | 975.5 |
| 03/30/2022 | 05:45:00 - 06:00:00 | 9 | 7 | 8 | 9 | 8 | 3.4 | 141.0 | 10.3 | 78.4 | 975.6 |
| 03/30/2022 | 06:00:00 - 06:15:00 | 10 | 8 | 9 | 10 | 9 | 3.7 | 139.5 | 10.3 | 83.5 | 975.7 |
| 03/30/2022 | 06:15:00 - 06:30:00 | 11 | 9 | 9 | 10 | 10 | 3.3 | 138.6 | 10.8 | 85.1 | 975.3 |
| 03/30/2022 | 06:30:00 - 06:45:00 | 11 | 9 | 10 | 10 | 10 | 2.0 | 148.2 | 11.3 | 84.9 | 975.4 |
| 03/30/2022 | 06:45:00 - 07:00:00 | 12 | 9 | 10 | 11 | 11 | 2.2 | 199.5 | 11.6 | 85.2 | 975.8 |
| 03/30/2022 | 07:00:00 - 07:15:00 | 12 | 10 | 10 | 12 | 11 | 1.2 | 257.1 | 11.5 | 87.1 | 976.0 |
| 03/30/2022 | 07:15:00 - 07:30:00 | 12 | 11 | 10 | 12 | 11 | 0.9 | 228.3 | 11.1 | 88.8 | 975.5 |
| 03/30/2022 | 07:30:00 - 07:45:00 | 13 | 10 | 11 | 12 | 11 | 0.2 | 241.0 | 10.7 | 90.0 | 975.1 |
| 03/30/2022 | 07:45:00 - 08:00:00 | 13 | 10 | 11 | 12 | 11 | 1.5 | 184.1 | 10.9 | 89.9 | 975.2 |
| 03/30/2022 | 08:00:00 - 08:15:00 | 12 | 9 | 11 | 12 | 12 | 1.6 | 184.6 | 11.3 | 89.0 | 975.0 |
| 03/30/2022 | 08:15:00 - 08:30:00 | 12 | 10 | 11 | 12 | 12 | 1.7 | 183.5 | 11.7 | 88.0 | 974.8 |
| 03/30/2022 | 08:30:00 - 08:45:00 | 12 | 10 | 10 | 12 | 12 | 1.2 | 174.2 | 12.0 | 87.6 | 974.4 |
| 03/30/2022 | 08:45:00 - 09:00:00 | 12 | 9 | 10 | 12 | 12 | 1.8 | 149.1 | 12.6 | 87.3 | 974.0 |
| 03/30/2022 | 09:00:00 - 09:15:00 | 12 | 10 | 10 | 15 | 12 | 1.8 | 180.5 | 13.3 | 87.9 | 974.0 |
| 03/30/2022 | 09:15:00 - 09:30:00 | 12 | 9 | 10 | 13 | 11 | 2.1 | 180.0 | 14.1 | 87.8 | 973.7 |
| 03/30/2022 | 09:30:00 - 09:45:00 | 11 | 8 | 9 | 11 | 11 | 1.9 | 175.2 | 15.0 | 87.0 | 973.5 |
| 03/30/2022 | 09:45:00 - 10:00:00 | 10 | 8 | 9 | 10 | 10 | 2.2 | 164.2 | 15.4 | 87.0 | 973.3 |
| 03/30/2022 | 10:00:00 - 10:15:00 | 10 | 8 | 8 | 10 | 10 | 2.6 | 172.1 | 15.4 | 88.4 | 973.2 |
| 03/30/2022 | 10:15:00 - 10:30:00 | 10 | 7 | 8 | 10 | 9 | 2.6 | 182.1 | 15.1 | 91.0 | 973.3 |
| 03/30/2022 | 10:30:00 - 10:45:00 | 10 | 7 | 8 | 10 | 9 | 2.3 | 181.7 | 15.3 | 91.5 | 973.0 |
| 03/30/2022 | 10:45:00 - 11:00:00 | 9 | 6 | 8 | 9 | 9 | 3.1 | 185.3 | 15.3 | 92.2 | 972.9 |
| 03/30/2022 | 11:00:00 - 11:15:00 | 10 | 7 | 8 | 9 | 9 | 2.8 | 193.1 | 15.0 | 94.5 | 972.6 |
| 03/30/2022 | 11:15:00 - 11:30:00 | 10 | 6 | 8 | 9 | 9 | 2.6 | 186.9 | 15.1 | 94.2 | 972.3 |
| 03/30/2022 | 11:30:00 - 11:45:00 | 10 | 6 | 8 | 11 | 9 | 1.4 | 161.8 | 15.2 | 94.6 | 971.8 |
| 03/30/2022 | 11:45:00 - 12:00:00 | 9 | 6 | 8 | 10 | 9 | 2.5 | 146.1 | 15.6 | 93.6 | 971.4 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 03/30/2022 | 12:00:00 - 12:15:00 | 10 | 6 | 8 | 10 | 9 | 2.6 | 173.3 | 16.0 | 92.2 | 971.1 |
| 03/30/2022 | 12:15:00 - 12:30:00 | 9 | 6 | 7 | 10 | 8 | 1.9 | 172.8 | 16.3 | 91.6 | 970.8 |
| 03/30/2022 | 12:30:00 - 12:45:00 | 8 | 5 | 7 | 9 | 7 | 2.9 | 185.5 | 16.7 | 90.3 | 970.5 |
| 03/30/2022 | 12:45:00 - 13:00:00 | 8 | 5 | 7 | 8 | 7 | 2.9 | 187.6 | 17.2 | 88.5 | 970.0 |
| 03/30/2022 | 13:00:00 - 13:15:00 | 9 | 6 | 7 | 8 | 8 | 4.3 | 202.9 | 18.0 | 85.2 | 969.7 |
| 03/30/2022 | 13:15:00 - 13:30:00 | 11 | 7 | 8 | 10 | 9 | 4.5 | 198.2 | 18.1 | 84.0 | 969.6 |
| 03/30/2022 | 13:30:00 - 13:45:00 | 8 | 5 | 6 | 8 | 6 | 5.1 | 202.9 | 17.1 | 89.2 | 969.6 |
| 03/30/2022 | 13:45:00 - 14:00:00 | 8 | 4 | 6 | 8 | 6 | 5.6 | 204.7 | 17.2 | 89.0 | 969.8 |
| 03/30/2022 | 14:00:00 - 14:15:00 | 8 | 5 | 6 | 9 | 6 | 4.3 | 209.4 | 16.8 | 91.3 | 969.5 |
| 03/30/2022 | 14:15:00 - 14:30:00 | 9 | 5 | 7 | 10 | 7 | 3.8 | 209.5 | 16.8 | 93.0 | 969.2 |
| 03/30/2022 | 14:30:00 - 14:45:00 | 9 | 5 | 7 | 9 | 7 | 4.4 | 210.6 | 16.7 | 94.7 | 969.2 |
| 03/30/2022 | 14:45:00 - 15:00:00 | 9 | 5 | 7 | 8 | 7 | 3.9 | 201.1 | 16.5 | 95.0 | 968.7 |
| 03/30/2022 | 15:00:00 - 15:15:00 | 9 | 5 | 7 | 8 | 7 | 4.0 | 207.6 | 16.3 | 96.1 | 968.2 |
| 03/30/2022 | 15:15:00 - 15:30:00 | 9 | 5 | 6 | 8 | 7 | 2.3 | 209.3 | 16.2 | 97.0 | 967.6 |
| 03/30/2022 | 15:30:00 - 15:45:00 | 8 | 5 | 6 | 8 | 6 | 2.6 | 211.6 | 16.0 | 97.3 | 967.5 |
| 03/30/2022 | 15:45:00 - 16:00:00 | 6 | 3 | 5 | 6 | 4 | 2.8 | 247.0 | 15.4 | 98.4 | 967.2 |
| 03/30/2022 | 16:00:00 - 16:15:00 | 3 | 0 | 2 | 3 | 1 | 3.1 | 239.8 | 14.7 | 99.0 | 966.7 |
| 03/30/2022 | 16:15:00 - 16:30:00 | 2 | 0 | 2 | 2 | 0 | 3.9 | 233.4 | 14.4 | 99.1 | 966.7 |
| 03/30/2022 | 16:30:00 - 16:45:00 | 2 | 0 | 2 | 2 | 0 | 3.3 | 242.4 | 14.3 | 100.0 | 967.0 |
| 03/30/2022 | 16:45:00 - 17:00:00 | 2 | 0 | 2 | 2 | 0 | 4.1 | 218.9 | 14.1 | 100.0 | 967.0 |
| 03/30/2022 | 17:00:00 - 17:15:00 | 2 | 0 | 2 | 3 | 0 | 3.0 | 209.3 | 14.1 | 100.0 | 967.1 |
| 03/30/2022 | 17:15:00 - 17:30:00 | 2 | 0 | 2 | 3 | 2 | 1.7 | 191.8 | 14.0 | 100.0 | 967.2 |
| 03/30/2022 | 17:30:00 - 17:45:00 | 3 | 0 | 2 | 3 | 0 | 1.4 | 167.4 | 13.9 | 100.0 | 966.9 |
| 03/30/2022 | 17:45:00 - 18:00:00 | 3 | 0 | 2 | 3 | 1 | 0.9 | 104.5 | 13.8 | 100.0 | 966.3 |
| 03/30/2022 | 18:00:00 - 18:15:00 | 3 | 0 | 3 | 3 | 10 | 0.5 | 26.2 | 13.7 | 100.0 | 965.8 |
| 03/30/2022 | 18:15:00 - 18:30:00 | 6 | 2 | 5 | 5 | 3 | 2.2 | 253.2 | 13.7 | 100.0 | 965.8 |
| 03/30/2022 | 18:30:00 - 18:45:00 | 4 | 1 | 3 | 3 | 1 | 2.4 | 263.9 | 13.6 | 100.0 | 966.1 |
| 03/30/2022 | 18:45:00 - 19:00:00 | 3 | 0 | 3 | 3 | 0 | 4.2 | 295.2 | 13.5 | 100.0 | 966.0 |
| 03/30/2022 | 19:00:00 - 19:15:00 | 4 | 1 | 3 | 3 | 0 | 2.9 | 292.6 | 13.4 | 100.0 | 966.0 |
| 03/30/2022 | 19:15:00 - 19:30:00 | 4 | 1 | 3 | 4 | 1 | 1.9 | 271.5 | 13.4 | 100.0 | 966.2 |
| 03/30/2022 | 19:30:00 - 19:45:00 | 6 | 2 | 5 | 4 | 1 | 1.4 | 264.4 | 13.3 | 100.0 | 966.0 |
| 03/30/2022 | 19:45:00 - 20:00:00 | 6 | 1 | 5 | 3 | 2 | 1.0 | 240.4 | 13.3 | 100.0 | 965.7 |
| 03/30/2022 | 20:00:00 - 20:15:00 | 4 | 1 | 3 | 3 | 1 | 0.2 | 134.2 | 13.2 | 100.0 | 965.3 |
| 03/30/2022 | 20:15:00 - 20:30:00 | 3 | 1 | 3 | 5 | 7 | 1.7 | 279.9 | 13.2 | 100.0 | 965.4 |
| 03/30/2022 | 20:30:00 - 20:45:00 | 3 | 2 | 3 | 4 | 5 | 2.1 | 262.4 | 13.3 | 100.0 | 965.6 |
| 03/30/2022 | 20:45:00 - 21:00:00 | 4 | 2 | 4 | 5 | 7 | 1.5 | 165.5 | 13.2 | 100.0 | 965.4 |
| 03/30/2022 | 21:00:00 - 21:15:00 | 4 | 1 | 3 | 4 | 2 | 2.2 | 151.8 | 13.1 | 100.0 | 965.1 |
| 03/30/2022 | 21:15:00 - 21:30:00 | 4 | 1 | 3 | 4 | 2 | 2.6 | 156.5 | 13.0 | 100.0 | 964.7 |
| 03/30/2022 | 21:30:00 - 21:45:00 | 3 | 1 | 3 | 3 | 1 | 3.8 | 129.0 | 13.0 | 100.0 | 962.8 |
| 03/30/2022 | 21:45:00 - 22:00:00 | 4 | 1 | 3 | 4 | 1 | 3.7 | 139.1 | 13.0 | 100.0 | 962.9 |
| 03/30/2022 | 22:00:00 - 22:15:00 | 3 | 1 | 3 | 4 | 1 | 3.7 | 134.4 | 12.9 | 100.0 | 962.7 |
| 03/30/2022 | 22:15:00 - 22:30:00 | 3 | 1 | 3 | 3 | 1 | 2.7 | 144.3 | 12.8 | 100.0 | 962.9 |
| 03/30/2022 | 22:30:00 - 22:45:00 | 3 | 1 | 3 | 3 | 1 | 2.3 | 234.7 | 12.8 | 100.0 | 963.3 |
| 03/30/2022 | 22:45:00 - 23:00:00 | 3 | 1 | 3 | 3 | 0 | 2.6 | 225.6 | 12.7 | 100.0 | 964.0 |
| 03/30/2022 | 23:00:00 - 23:15:00 | 4 | 2 | 3 | 4 | 1 | 4.7 | 287.1 | 10.7 | 99.8 | 964.1 |
| 03/30/2022 | 23:15:00 - 23:30:00 | 6 | 3 | 5 | 5 | 3 | 3.0 | 294.4 | 8.9 | 100.0 | 964.2 |
| 03/30/2022 | 23:30:00 - 23:45:00 | 8 | 5 | 6 | 7 | 4 | 2.6 | 303.2 | 8.2 | 100.0 | 964.2 |
| 03/31/2022 | 23:45:00 - 00:00:00 | 7 | 4 | 5 | 6 | 3 | 5.5 | 289.6 | 7.5 | 100.0 | 964.0 |
| 03/31/2022 | 00:00:00 - 00:15:00 | 5 | 4 | 5 | 5 | 2 | 4.0 | 290.2 | 7.1 | 100.0 | 963.9 |
| 03/31/2022 | 00:15:00 - 00:30:00 | 5 | 3 | 4 | 5 | 2 | 4.9 | 285.4 | 6.6 | 100.0 | 964.0 |
| 03/31/2022 | 00:30:00 - 00:45:00 | 5 | 3 | 5 | 5 | 2 | 4.9 | 280.4 | 6.2 | 100.0 | 964.5 |
| 03/31/2022 | 00:45:00 - 01:00:00 | 4 | 3 | 4 | 4 | 1 | 5.5 | 298.3 | 5.5 | 100.0 | 964.6 |
| 03/31/2022 | 01:00:00 - 01:15:00 | 3 | 2 | 3 | 3 | 0 | 5.3 | 284.2 | 5.2 | 100.0 | 964.7 |
| 03/31/2022 | 01:15:00 - 01:30:00 | 1 | 0 | 2 | 1 | 0 | 5.2 | 279.6 | 4.9 | 100.0 | 964.7 |
| 03/31/2022 | 01:30:00 - 01:45:00 | 1 | 0 | 2 | 1 | 0 | 4.5 | 271.9 | 4.5 | 100.0 | 965.1 |
| 03/31/2022 | 01:45:00 - 02:00:00 | 0 | 0 | 2 | 1 | 0 | 3.4 | 289.5 | 4.2 | 100.0 | 964.6 |
| 03/31/2022 | 02:00:00 - 02:15:00 | 1 | 0 | 2 | 1 | 0 | 1.8 | 254.2 | 4.2 | 100.0 | 965.2 |
| 03/31/2022 | 02:15:00 - 02:30:00 | 1 | 0 | 2 | 2 | 0 | 2.4 | 259.5 | 4.1 | 100.0 | 965.5 |
| 03/31/2022 | 02:30:00 - 02:45:00 | 1 | 0 | 2 | 2 | 0 | 2.9 | 235.4 | 4.0 | 99.8 | 965.9 |
| 03/31/2022 | 02:45:00 - 03:00:00 | 0 | 0 | 2 | 1 | 0 | 3.2 | 269.0 | 3.8 | 98.8 | 966.4 |
| 03/31/2022 | 03:00:00 - 03:15:00 | 1 | 0 | 2 | 1 | 0 | 2.8 | 258.4 | 3.8 | 98.0 | 966.6 |
| 03/31/2022 | 03:15:00 - 03:30:00 | 1 | 0 | 2 | 2 | 0 | 2.4 | 242.1 | 3.7 | 97.6 | 966.8 |
| 03/31/2022 | 03:30:00 - 03:45:00 | 2 | 1 | 3 | 3 | 0 | 3.9 | 247.0 | 3.6 | 96.4 | 967.2 |
| 03/31/2022 | 03:45:00 - 04:00:00 | 2 | 2 | 3 | 3 | 0 | 3.7 | 256.2 | 3.5 | 95.5 | 967.4 |
| 03/31/2022 | 04:00:00 - 04:15:00 | 2 | 1 | 3 | 3 | 0 | 2.9 | 249.1 | 3.1 | 95.0 | 967.9 |
| 03/31/2022 | 04:15:00 - 04:30:00 | 2 | 1 | 3 | 2 | 0 | 2.4 | 253.0 | 2.3 | 96.1 | 968.1 |
| 03/31/2022 | 04:30:00 - 04:45:00 | 2 | 2 | 3 | 3 | 1 | 1.1 | 236.5 | 2.2 | 97.0 | 968.4 |
| 03/31/2022 | 04:45:00 - 05:00:00 | 3 | 3 | 4 | 4 | 2 | 2.5 | 253.1 | 2.4 | 97.0 | 968.6 |
| 03/31/2022 | 05:00:00 - 05:15:00 | 4 | 3 | 5 | 5 | 2 | 2.3 | 229.2 | 2.5 | 96.0 | 968.8 |
| 03/31/2022 | 05:15:00 - 05:30:00 | 5 | 4 | 5 | 6 | 3 | 2.2 | 256.1 | 2.6 | 95.1 | 969.0 |
| 03/31/2022 | 05:30:00 - 05:45:00 | 5 | 4 | 6 | 6 | 4 | 2.8 | 229.4 | 2.6 | 94.7 | 969.2 |
| 03/31/2022 | 05:45:00 - 06:00:00 | 6 | 5 | 6 | 7 | 5 | 2.2 | 224.1 | 2.6 | 94.0 | 969.4 |
| 03/31/2022 | 06:00:00 - 06:15:00 | 6 | 5 | 6 | 7 | 5 | 2.9 | 258.3 | 2.6 | 93.7 | 969.6 |
| 03/31/2022 | 06:15:00 - 06:30:00 | 6 | 5 | 6 | 7 | 5 | 3.3 | 249.7 | 2.7 | 93.0 | 969.9 |
| 03/31/2022 | 06:30:00 - 06:45:00 | 6 | 4 | 6 | 6 | 4 | 2.3 | 243.7 | 2.7 | 92.7 | 970.1 |
| 03/31/2022 | 06:45:00 - 07:00:00 | 5 | 4 | 6 | 6 | 4 | 2.6 | 258.1 | 2.8 | 92.0 | 970.4 |
| 03/31/2022 | 07:00:00 - 07:15:00 | 4 | 3 | 5 | 5 | 3 | 3.7 | 264.2 | 2.8 | 91.3 | 970.8 |
| 03/31/2022 | 07:15:00 - 07:30:00 | 4 | 10 | 5 | 5 | 3 | 2.8 | 242.5 | 2.8 | 91.0 | 971.1 |
| 03/31/2022 | 07:30:00 - 07:45:00 | 4 | 10 | 5 | 5 | 3 | 2.1 | 271.9 | 2.9 | 90.8 | 971.4 |
| 03/31/2022 | 07:45:00 - 08:00:00 | 4 | 5 | 5 | 5 | 2 | 2.4 | 269.8 | 2.9 | 90.0 | 971.6 |
| 03/31/2022 | 08:00:00 - 08:15:00 | 4 | 3 | 4 | 4 | 2 | 3.1 | 257.7 | 3.0 | 89.9 | 971.7 |
| 03/31/2022 | 08:15:00 - 08:30:00 | 3 | 3 | 4 | 4 | 1 | 2.4 | 255.8 | 3.0 | 89.9 | 972.0 |
| 03/31/2022 | 08:30:00 - 08:45:00 | 3 | 3 | 4 | 3 | 1 | 3.3 | 270.1 | 3.0 | 89.8 | 972.3 |
| 03/31/2022 | 08:45:00 - 09:00:00 | 2 | 2 | 3 | 3 | 1 | 3.8 | 264.6 | 2.9 | 89.9 | 972.5 |
| 03/31/2022 | 09:00:00 - 09:15:00 | 2 | 14 | 3 | 3 | 1 | 2.2 | 272.0 | 2.8 | 91.9 | 972.8 |
| 03/31/2022 | 09:15:00 - 09:30:00 | 2 | 1 | 3 | 3 | 0 | 2.2 | 261.9 | 2.6 | 92.9 | 973.0 |
| 03/31/2022 | 09:30:00 - 09:45:00 | 2 | 4 | 3 | 3 | 1 | 2.5 | 275.7 | 2.8 | 91.9 | 973.3 |
| 03/31/2022 | 09:45:00 - 10:00:00 | 2 | 10 | 3 | 3 | 0 | 3.3 | 252.4 | 2.9 | 90.2 | 973.6 |
| 03/31/2022 | 10:00:00 - 10:15:00 | 3 | 2 | 4 | 3 | 0 | 3.2 | 254.8 | 3.0 | 88.9 | 973.8 |
| 03/31/2022 | 10:15:00 - 10:30:00 | 2 | 10 | 4 | 3 | 0 | 2.2 | 247.1 | 3.2 | 87.6 | 973.9 |
| 03/31/2022 | 10:30:00 - 10:45:00 | 2 | 2 | 4 | 3 | 1 | 3.3 | 268.7 | 3.1 | 87.3 | 974.1 |
| 03/31/2022 | 10:45:00 - 11:00:00 | 3 | 5 | 4 | 3 | 1 | 1.6 | 270.4 | 3.1 | 88.3 | 974.3 |
| 03/31/2022 | 11:00:00 - 11:15:00 | 3 | 10 | 4 | 3 | 1 | 2.9 | 281.7 | 3.0 | 88.1 | 974.4 |
| 03/31/2022 | 11:15:00 - 11:30:00 | 3 | 11 | 4 | 3 | 1 | 1.6 | 274.9 | 3.1 | 88.2 | 974.4 |
| 03/31/2022 | 11:30:00 - 11:45:00 | 2 | 12 | 4 | 3 | 0 | 2.7 | 275.5 | 3.3 | 87.5 | 974.6 |
| 03/31/2022 | 11:45:00 - 12:00:00 | 2 | 2 | 3 | 3 | 0 | 3.3 | 280.4 | 3.4 | 86.3 | 974.8 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 03/31/2022 | 12:00:00 - 12:15:00 | 3 | 2 | 4 | 3 | 0 | 3.5 | 281.9 | 3.5 | 85.6 | 974.8 |
| 03/31/2022 | 12:15:00 - 12:30:00 | 3 | 31 | 4 | 3 | 0 | 4.2 | 284.4 | 3.5 | 85.2 | 974.9 |
| 03/31/2022 | 12:30:00 - 12:45:00 | 3 | 2 | 4 | 3 | 0 | 4.7 | 282.4 | 3.4 | 85.9 | 975.0 |
| 03/31/2022 | 12:45:00 - 13:00:00 | 2 | 51 | 3 | 2 | 0 | 3.3 | 271.4 | 3.6 | 84.8 | 975.0 |
| 03/31/2022 | 13:00:00 - 13:15:00 | 2 | 2 | 3 | 2 | 0 | 3.3 | 276.9 | 3.7 | 84.2 | 975.1 |
| 03/31/2022 | 13:15:00 - 13:30:00 | 1 | 7 | 3 | 2 | 0 | 3.6 | 268.2 | 3.5 | 85.7 | 975.2 |
| 03/31/2022 | 13:30:00 - 13:45:00 | 1 | 22 | 3 | 2 | 0 | 3.7 | 269.1 | 3.5 | 85.1 | 975.2 |
| 03/31/2022 | 13:45:00 - 14:00:00 | 1 | 1 | 3 | 2 | 0 | 3.1 | 284.9 | 3.6 | 84.4 | 975.4 |
| 03/31/2022 | 14:00:00 - 14:15:00 | 1 | 3 | 3 | 2 | 0 | 3.3 | 276.7 | 3.6 | 85.7 | 975.5 |
| 03/31/2022 | 14:15:00 - 14:30:00 | 2 | 4 | 3 | 2 | 0 | 3.6 | 286.8 | 3.8 | 85.7 | 975.5 |
| 03/31/2022 | 14:30:00 - 14:45:00 | 3 | 2 | 4 | 3 | 0 | 5.4 | 296.5 | 3.3 | 86.7 | 975.7 |
| 03/31/2022 | 14:45:00 - 15:00:00 | 2 | 2 | 3 | 3 | 0 | 3.1 | 300.0 | 3.0 | 88.5 | 975.9 |
| 03/31/2022 | 15:00:00 - 15:15:00 | 4 | 2 | 5 | 3 | 0 | 3.9 | 301.6 | 3.4 | 85.7 | 976.0 |
| 03/31/2022 | 15:15:00 - 15:30:00 | 3 | 4 | 4 | 3 | 0 | 3.2 | 308.6 | 3.3 | 86.8 | 976.1 |
| 03/31/2022 | 15:30:00 - 15:45:00 | 3 | 3 | 4 | 4 | 1 | 4.2 | 297.3 | 3.0 | 88.4 | 976.3 |
| 03/31/2022 | 15:45:00 - 16:00:00 | 4 | 2 | 5 | 4 | 1 | 3.6 | 299.4 | 3.0 | 88.6 | 976.4 |
| 03/31/2022 | 16:00:00 - 16:15:00 | 3 | 2 | 4 | 3 | 1 | 2.9 | 300.4 | 3.2 | 88.1 | 976.6 |
| 03/31/2022 | 16:15:00 - 16:30:00 | 2 | 2 | 4 | 3 | 1 | 2.8 | 296.2 | 3.0 | 90.4 | 976.8 |
| 03/31/2022 | 16:30:00 - 16:45:00 | 2 | 3 | 3 | 3 | 0 | 2.7 | 294.7 | 3.1 | 89.4 | 977.0 |
| 03/31/2022 | 16:45:00 - 17:00:00 | 2 | 2 | 3 | 3 | 0 | 2.7 | 299.1 | 2.8 | 90.2 | 977.2 |
| 03/31/2022 | 17:00:00 - 17:15:00 | 2 | 2 | 3 | 3 | 0 | 1.5 | 281.1 | 3.0 | 90.2 | 977.5 |
| 03/31/2022 | 17:15:00 - 17:30:00 | 2 | 2 | 4 | 3 | 0 | 3.3 | 291.0 | 2.5 | 90.8 | 977.9 |
| 03/31/2022 | 17:30:00 - 17:45:00 | 2 | 2 | 4 | 3 | 1 | 2.6 | 304.7 | 1.9 | 94.0 | 978.1 |
| 03/31/2022 | 17:45:00 - 18:00:00 | 3 | 2 | 4 | 3 | 1 | 0.4 | 298.3 | 2.0 | 95.8 | 978.2 |
| 03/31/2022 | 18:00:00 - 18:15:00 | 3 | 3 | 4 | 4 | 2 | 1.3 | 308.3 | 2.2 | 95.6 | 978.4 |
| 03/31/2022 | 18:15:00 - 18:30:00 | 3 | 2 | 4 | 3 | 2 | 1.2 | 309.8 | 2.3 | 95.0 | 978.7 |
| 03/31/2022 | 18:30:00 - 18:45:00 | 2 | 1 | 3 | 2 | 0 | 3.4 | 297.9 | 1.8 | 95.6 | 979.0 |
| 03/31/2022 | 18:45:00 - 19:00:00 | 2 | 1 | 3 | 3 | 0 | 2.7 | 285.7 | 1.8 | 96.0 | 979.1 |
| 03/31/2022 | 19:00:00 - 19:15:00 | 2 | 1 | 4 | 3 | 1 | 2.5 | 288.4 | 2.0 | 95.9 | 979.4 |
| 03/31/2022 | 19:15:00 - 19:30:00 | 2 | 2 | 4 | 3 | 1 | 2.4 | 283.2 | 1.7 | 96.7 | 979.6 |
| 03/31/2022 | 19:30:00 - 19:45:00 | 2 | 2 | 4 | 3 | 1 | 1.6 | 276.3 | 1.8 | 97.0 | 979.8 |
| 03/31/2022 | 19:45:00 - 20:00:00 | 2 | 2 | 4 | 3 | 1 | 2.0 | 287.7 | 2.0 | 96.2 | 980.0 |
| 03/31/2022 | 20:00:00 - 20:15:00 | 2 | 2 | 4 | 3 | 1 | 2.5 | 295.6 | 2.0 | 96.0 | 980.3 |
| 03/31/2022 | 20:15:00 - 20:30:00 | 3 | 2 | 4 | 4 | 2 | 1.7 | 259.8 | 2.0 | 96.0 | 980.5 |
| 03/31/2022 | 20:30:00 - 20:45:00 | 3 | 3 | 4 | 4 | 2 | 2.2 | 275.2 | 1.6 | 96.2 | 980.9 |
| 03/31/2022 | 20:45:00 - 21:00:00 | 3 | 2 | 4 | 4 | 2 | 1.9 | 275.9 | 1.5 | 97.0 | 981.1 |
| 03/31/2022 | 21:00:00 - 21:15:00 | 3 | 3 | 5 | 4 | 2 | 1.7 | 261.3 | 1.6 | 97.0 | 981.3 |
| 03/31/2022 | 21:15:00 - 21:30:00 | 4 | 3 | 5 | 5 | 3 | 1.9 | 260.4 | 1.7 | 96.7 | 981.5 |
| 03/31/2022 | 21:30:00 - 21:45:00 | 4 | 4 | 5 | 5 | 4 | 1.6 | 284.7 | 1.8 | 96.0 | 981.5 |
| 03/31/2022 | 21:45:00 - 22:00:00 | 2 | 2 | 4 | 4 | 2 | 3.5 | 289.1 | 0.8 | 96.7 | 981.8 |
| 03/31/2022 | 22:00:00 - 22:15:00 | 3 | 2 | 4 | 4 | 2 | 3.2 | 282.9 | 0.5 | 98.6 | 981.8 |
| 03/31/2022 | 22:15:00 - 22:30:00 | 3 | 2 | 4 | 4 | 2 | 2.7 | 278.3 | 0.6 | 98.3 | 982.0 |
| 03/31/2022 | 22:30:00 - 22:45:00 | 3 | 2 | 4 | 4 | 2 | 3.5 | 281.2 | 0.8 | 98.0 | 982.1 |
| 03/31/2022 | 22:45:00 - 23:00:00 | 3 | 3 | 4 | 4 | 3 | 2.5 | 284.0 | 0.8 | 97.5 | 982.2 |
| 03/31/2022 | 23:00:00 - 23:15:00 | 3 | 3 | 5 | 5 | 3 | 2.6 | 301.3 | 1.0 | 96.5 | 982.4 |
| 03/31/2022 | 23:15:00 - 23:30:00 | 4 | 3 | 5 | 5 | 4 | 2.5 | 300.3 | 1.1 | 95.9 | 982.5 |
| 03/31/2022 | 23:30:00 - 23:45:00 | 4 | 4 | 5 | 6 | 4 | 2.6 | 302.9 | 1.2 | 95.0 | 982.6 |
| 04/01/2022 | 23:45:00 - 00:00:00 | 4 | 4 | 5 | 6 | 3 | 2.8 | 302.1 | 1.2 | 94.6 | 982.7 |
| 04/01/2022 | 00:00:00 - 00:15:00 | 5 | 4 | 5 | 6 | 0 | 2.7 | 305.4 | 1.2 | 94.0 | 982.8 |
| 04/01/2022 | 00:15:00 - 00:30:00 | 5 | 4 | 6 | 6 | 0 | 3.0 | 309.5 | 1.3 | 94.0 | 982.9 |
| 04/01/2022 | 00:30:00 - 00:45:00 | 5 | 4 | 6 | 6 | 0 | 2.9 | 312.3 | 1.3 | 93.3 | 983.0 |
| 04/01/2022 | 00:45:00 - 01:00:00 | 5 | 4 | 6 | 6 | 0 | 3.1 | 311.5 | 1.2 | 91.8 | 983.2 |
| 04/01/2022 | 01:00:00 - 01:15:00 | 6 | 5 | 6 | 7 | 0 | 3.1 | 306.0 | 1.2 | 90.6 | 983.4 |
| 04/01/2022 | 01:15:00 - 01:30:00 | 6 | 5 | 6 | 6 | Offline | 3.5 | 304.7 | 1.1 | 88.9 | 983.5 |
| 04/01/2022 | 01:30:00 - 01:45:00 | 5 | 4 | 6 | 6 | Offline | 4.6 | 298.8 | 1.1 | 87.6 | 983.7 |
| 04/01/2022 | 01:45:00 - 02:00:00 | 5 | 4 | 6 | 6 | Offline | 4.0 | 301.1 | 1.0 | 88.0 | 983.9 |
| 04/01/2022 | 02:00:00 - 02:15:00 | 5 | 4 | 6 | 6 | Offline | 2.8 | 289.7 | 0.9 | 87.6 | 984.0 |
| 04/01/2022 | 02:15:00 - 02:30:00 | 5 | 4 | 6 | 6 | Offline | 2.9 | 289.3 | 0.9 | 86.3 | 984.1 |
| 04/01/2022 | 02:30:00 - 02:45:00 | 5 | 6 | 6 | 6 | Offline | 4.0 | 302.8 | 0.8 | 86.1 | 984.2 |
| 04/01/2022 | 02:45:00 - 03:00:00 | 5 | 3 | 6 | 6 | Offline | 4.1 | 298.7 | 0.9 | 85.6 | 984.3 |
| 04/01/2022 | 03:00:00 - 03:15:00 | 5 | 1 | 6 | 5 | Offline | 3.9 | 289.9 | 0.8 | 85.8 | 984.5 |
| 04/01/2022 | 03:15:00 - 03:30:00 | 5 | 1 | 6 | 3 | Offline | 3.1 | 284.6 | 0.8 | 87.3 | 984.7 |
| 04/01/2022 | 03:30:00 - 03:45:00 | 5 | 1 | 6 | 1 | Offline | 3.0 | 290.9 | 0.8 | 88.0 | 984.7 |
| 04/01/2022 | 03:45:00 - 04:00:00 | 5 | 1 | 6 | Offline | Offline | 3.4 | 295.8 | 0.8 | 88.1 | 984.9 |
| 04/01/2022 | 04:00:00 - 04:15:00 | 5 | Offline | 6 | Offline | Offline | 4.0 | 298.2 | 0.7 | 88.2 | 985.1 |
| 04/01/2022 | 04:15:00 - 04:30:00 | 5 | Offline | 6 | Offline | Offline | 4.6 | 298.8 | 0.7 | 88.0 | 985.3 |
| 04/01/2022 | 04:30:00 - 04:45:00 | 5 | Offline | 6 | Offline | Offline | 4.1 | 302.5 | 0.5 | 87.5 | 985.6 |
| 04/01/2022 | 04:45:00 - 05:00:00 | 6 | Offline | 7 | Offline | Offline | 4.1 | 302.5 | 0.4 | 87.7 | 985.8 |
| 04/01/2022 | 05:00:00 - 05:15:00 | 6 | Offline | 7 | Offline | Offline | 4.0 | 301.0 | 0.4 | 89.0 | 986.0 |
| 04/01/2022 | 05:15:00 - 05:30:00 | 6 | Offline | 7 | Offline | Offline | 3.8 | 299.6 | 0.5 | 89.5 | 986.3 |
| 04/01/2022 | 05:30:00 - 05:45:00 | 6 | Offline | 7 | Offline | Offline | 3.1 | 294.9 | 0.5 | 90.0 | 986.6 |
| 04/01/2022 | 05:45:00 - 06:00:00 | 6 | Offline | 7 | Offline | Offline | 3.6 | 300.3 | 0.5 | 90.1 | 986.9 |
| 04/01/2022 | 06:00:00 - 06:15:00 | 6 | Offline | 7 | Offline | Offline | 3.1 | 302.0 | 0.5 | 90.0 | 987.1 |
| 04/01/2022 | 06:15:00 - 06:30:00 | 6 | Offline | 7 | Offline | Offline | 3.5 | 306.8 | 0.5 | 89.7 | 987.4 |
| 04/01/2022 | 06:30:00 - 06:45:00 | 6 | Offline | 7 | Offline | Offline | 4.3 | 311.1 | 0.5 | 88.0 | 987.6 |
| 04/01/2022 | 06:45:00 - 07:00:00 | 5 | 6 | 6 | 7 | Offline | 4.1 | 304.6 | 0.5 | 86.5 | 988.0 |
| 04/01/2022 | 07:00:00 - 07:15:00 | 7 | 4 | 8 | 6 | 7 | 4.3 | 317.0 | 0.5 | 83.7 | 988.3 |
| 04/01/2022 | 07:15:00 - 07:30:00 | 4 | 3 | 6 | 5 | 5 | 3.7 | 318.4 | 0.6 | 83.0 | 988.7 |
| 04/01/2022 | 07:30:00 - 07:45:00 | 3 | 3 | 5 | 4 | 4 | 4.0 | 315.1 | 0.6 | 82.7 | 989.0 |
| 04/01/2022 | 07:45:00 - 08:00:00 | 4 | 4 | 5 | 5 | 3 | 4.1 | 313.7 | 0.6 | 82.5 | 989.4 |
| 04/01/2022 | 08:00:00 - 08:15:00 | 4 | 3 | 6 | 4 | 3 | 3.9 | 320.3 | 0.9 | 82.5 | 989.6 |
| 04/01/2022 | 08:15:00 - 08:30:00 | 8 | 3 | 8 | 4 | 2 | 3.1 | 313.9 | 1.1 | 82.1 | 989.8 |
| 04/01/2022 | 08:30:00 - 08:45:00 | 4 | 3 | 5 | 3 | 2 | 4.0 | 328.8 | 1.3 | 80.7 | 990.1 |
| 04/01/2022 | 08:45:00 - 09:00:00 | 6 | 2 | 7 | 3 | 1 | 4.6 | 332.8 | 2.1 | 76.8 | 990.2 |
| 04/01/2022 | 09:00:00 - 09:15:00 | 11 | 1 | 10 | 2 | 0 | 3.6 | 342.6 | 2.3 | 74.2 | 990.6 |
| 04/01/2022 | 09:15:00 - 09:30:00 | 5 | 2 | 6 | 2 | 0 | 3.5 | 311.2 | 2.3 | 73.0 | 990.9 |
| 04/01/2022 | 09:30:00 - 09:45:00 | 7 | 2 | 8 | 2 | 0 | 2.2 | 313.2 | 2.5 | 71.9 | 991.3 |
| 04/01/2022 | 09:45:00 - 10:00:00 | 11 | 1 | 12 | 2 | 0 | 4.0 | 299.2 | 2.4 | 68.1 | 991.7 |
| 04/01/2022 | 10:00:00 - 10:15:00 | 4 | 1 | 5 | 2 | 0 | 3.2 | 306.2 | 3.0 | 68.9 | 992.0 |
| 04/01/2022 | 10:15:00 - 10:30:00 | 3 | 1 | 4 | 2 | 0 | 3.8 | 291.1 | 2.5 | 67.4 | 992.3 |
| 04/01/2022 | 10:30:00 - 10:45:00 | 2 | 1 | 4 | 2 | 0 | 3.8 | 329.0 | 3.3 | 67.6 | 992.4 |
| 04/01/2022 | 10:45:00 - 11:00:00 | 4 | 1 | 4 | 2 | 0 | 4.4 | 313.7 | 3.4 | 64.9 | 992.6 |
| 04/01/2022 | 11:00:00 - 11:15:00 | 4 | 1 | 5 | 2 | 0 | 5.0 | 289.8 | 3.2 | 65.6 | 992.6 |
| 04/01/2022 | 11:15:00 - 11:30:00 | 5 | 1 | 6 | 2 | 0 | 3.9 | 310.0 | 3.3 | 66.1 | 992.7 |
| 04/01/2022 | 11:30:00 - 11:45:00 | 2 | 1 | 3 | 2 | 0 | 3.8 | 311.5 | 3.5 | 66.0 | 992.7 |
| 04/01/2022 | 11:45:00 - 12:00:00 | 2 | 1 | 3 | 2 | 0 | 4.8 | 314.9 | 3.8 | 63.9 | 992.9 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 04/01/2022 | 12:00:00 - 12:15:00 | 3 | 1 | 4 | 2 | 0 | 4.5 | 319.4 | 4.0 | 65.4 | 993.0 |
| 04/01/2022 | 12:15:00 - 12:30:00 | 8 | 1 | 7 | 2 | 0 | 2.8 | 319.9 | 4.8 | 64.6 | 993.1 |
| 04/01/2022 | 12:30:00 - 12:45:00 | 5 | 1 | 5 | 2 | 0 | 4.2 | 310.8 | 4.2 | 65.1 | 993.2 |
| 04/01/2022 | 12:45:00 - 13:00:00 | 2 | 1 | 3 | 2 | 0 | 3.6 | 305.7 | 4.2 | 63.2 | 993.2 |
| 04/01/2022 | 13:00:00 - 13:15:00 | 4 | 1 | 5 | 2 | 0 | 3.3 | 319.6 | 4.7 | 63.5 | 993.3 |
| 04/01/2022 | 13:15:00 - 13:30:00 | 3 | 1 | 3 | 2 | 0 | 3.7 | 285.5 | 4.7 | 63.4 | 993.4 |
| 04/01/2022 | 13:30:00 - 13:45:00 | 2 | 2 | 3 | 2 | 0 | 4.5 | 291.1 | 5.2 | 62.7 | 993.4 |
| 04/01/2022 | 13:45:00 - 14:00:00 | 3 | 1 | 3 | 2 | 0 | 4.1 | 308.2 | 4.8 | 64.7 | 993.4 |
| 04/01/2022 | 14:00:00 - 14:15:00 | 2 | 1 | 3 | 2 | 0 | 3.5 | 283.9 | 5.0 | 60.7 | 993.4 |
| 04/01/2022 | 14:15:00 - 14:30:00 | 4 | 6 | 5 | 2 | 0 | 3.1 | 285.2 | 5.1 | 62.7 | 993.4 |
| 04/01/2022 | 14:30:00 - 14:45:00 | 4 | 1 | 4 | 2 | 0 | 2.0 | 308.5 | 5.3 | 62.0 | 993.3 |
| 04/01/2022 | 14:45:00 - 15:00:00 | 27 | 1 | 29 | 2 | 0 | 2.9 | 301.2 | 5.8 | 60.2 | 993.3 |
| 04/01/2022 | 15:00:00 - 15:15:00 | 22 | 1 | 21 | 2 | 1 | 4.2 | 301.2 | 6.2 | 59.2 | 993.3 |
| 04/01/2022 | 15:15:00 - 15:30:00 | 32 | 1 | 30 | 2 | 21 | 2.4 | 295.0 | 5.8 | 61.0 | 993.3 |
| 04/01/2022 | 15:30:00 - 15:45:00 | 3 | 5 | 4 | 3 | 2 | 2.2 | 299.4 | 6.1 | 60.5 | 993.2 |
| 04/01/2022 | 15:45:00 - 16:00:00 | 3 | 1 | 3 | 3 | 1 | 2.0 | 297.7 | 6.1 | 60.1 | 993.3 |
| 04/01/2022 | 16:00:00 - 16:15:00 | 4 | 2 | 4 | 3 | 1 | 3.9 | 281.2 | 6.3 | 58.1 | 993.3 |
| 04/01/2022 | 16:15:00 - 16:30:00 | 29 | 5 | 19 | 3 | 1 | 2.2 | 298.9 | 6.1 | 59.5 | 993.3 |
| 04/01/2022 | 16:30:00 - 16:45:00 | 9 | 1 | 7 | 3 | 2 | 1.8 | 318.7 | 6.3 | 60.1 | 993.4 |
| 04/01/2022 | 16:45:00 - 17:00:00 | 5 | 1 | 5 | 3 | 1 | 2.9 | 317.0 | 6.5 | 60.2 | 993.4 |
| 04/01/2022 | 17:00:00 - 17:15:00 | 7 | 1 | 8 | 3 | 1 | 1.8 | 301.8 | 6.7 | 58.5 | 993.5 |
| 04/01/2022 | 17:15:00 - 17:30:00 | 4 | 1 | 4 | 3 | 1 | 1.0 | 271.2 | 6.5 | 57.7 | 993.6 |
| 04/01/2022 | 17:30:00 - 17:45:00 | 4 | 1 | 4 | 3 | 1 | 2.4 | 257.6 | 6.9 | 56.8 | 993.7 |
| 04/01/2022 | 17:45:00 - 18:00:00 | 3 | 1 | 4 | 3 | 1 | 2.2 | 280.0 | 6.6 | 57.0 | 993.7 |
| 04/01/2022 | 18:00:00 - 18:15:00 | 2 | 1 | 3 | 3 | 1 | 2.9 | 297.4 | 6.2 | 58.5 | 993.7 |
| 04/01/2022 | 18:15:00 - 18:30:00 | 3 | 1 | 3 | 3 | 1 | 2.3 | 270.7 | 6.1 | 58.9 | 993.7 |
| 04/01/2022 | 18:30:00 - 18:45:00 | 3 | 2 | 3 | 3 | 1 | 1.9 | 259.5 | 5.9 | 59.9 | 993.6 |
| 04/01/2022 | 18:45:00 - 19:00:00 | 3 | 2 | 3 | 3 | 1 | 1.7 | 258.7 | 5.7 | 60.6 | 993.7 |
| 04/01/2022 | 19:00:00 - 19:15:00 | 3 | 2 | 4 | 3 | 1 | 1.8 | 194.9 | 5.4 | 61.9 | 993.6 |
| 04/01/2022 | 19:15:00 - 19:30:00 | 3 | 2 | 4 | 3 | 1 | 2.4 | 201.5 | 5.2 | 62.4 | 993.6 |
| 04/01/2022 | 19:30:00 - 19:45:00 | 3 | 2 | 4 | 4 | 2 | 1.5 | 188.7 | 4.9 | 63.6 | 993.5 |
| 04/01/2022 | 19:45:00 - 20:00:00 | 5 | 3 | 5 | 3 | 3 | 0.4 | 105.5 | 4.5 | 66.2 | 993.6 |
| 04/01/2022 | 20:00:00 - 20:15:00 | 4 | 3 | 5 | 4 | 3 | 1.0 | 156.9 | 4.2 | 66.8 | 993.7 |
| 04/01/2022 | 20:15:00 - 20:30:00 | 3 | 2 | 4 | 4 | 2 | 1.7 | 163.6 | 4.3 | 67.8 | 993.8 |
| 04/01/2022 | 20:30:00 - 20:45:00 | 3 | 2 | 4 | 3 | 2 | 2.0 | 170.6 | 4.3 | 68.1 | 993.9 |
| 04/01/2022 | 20:45:00 - 21:00:00 | 3 | 2 | 4 | 4 | 2 | 1.6 | 156.7 | 4.4 | 68.3 | 993.9 |
| 04/01/2022 | 21:00:00 - 21:15:00 | 3 | 2 | 4 | 4 | 2 | 2.1 | 138.9 | 4.1 | 69.2 | 994.0 |
| 04/01/2022 | 21:15:00 - 21:30:00 | 3 | 2 | 4 | 4 | 2 | 1.8 | 176.9 | 4.1 | 70.2 | 994.2 |
| 04/01/2022 | 21:30:00 - 21:45:00 | 3 | 2 | 4 | 3 | 2 | 2.1 | 148.6 | 3.9 | 71.0 | 994.2 |
| 04/01/2022 | 21:45:00 - 22:00:00 | 2 | 2 | 4 | 4 | 2 | 2.0 | 121.9 | 3.7 | 72.3 | 994.3 |
| 04/01/2022 | 22:00:00 - 22:15:00 | 2 | 2 | 4 | 3 | 2 | 1.9 | 126.4 | 3.5 | 74.4 | 994.3 |
| 04/01/2022 | 22:15:00 - 22:30:00 | 2 | 2 | 4 | 3 | 2 | 2.7 | 179.8 | 3.2 | 76.9 | 994.4 |
| 04/01/2022 | 22:30:00 - 22:45:00 | 2 | 2 | 4 | 4 | 2 | 2.2 | 173.6 | 2.9 | 78.6 | 994.3 |
| 04/01/2022 | 22:45:00 - 23:00:00 | 2 | 2 | 4 | 3 | 2 | 2.3 | 159.5 | 2.8 | 79.2 | 994.3 |
| 04/01/2022 | 23:00:00 - 23:15:00 | 2 | 2 | 4 | 4 | 2 | 2.3 | 158.7 | 2.7 | 79.2 | 994.2 |
| 04/01/2022 | 23:15:00 - 23:30:00 | 2 | 2 | 4 | 4 | 2 | 2.4 | 148.7 | 2.6 | 79.1 | 994.1 |
| 04/01/2022 | 23:30:00 - 23:45:00 | 2 | 2 | 4 | 4 | 2 | 2.7 | 146.9 | 2.5 | 79.0 | 994.0 |
| 04/02/2022 | 23:45:00 - 00:00:00 | 2 | 2 | 4 | 4 | 2 | 2.0 | 133.2 | 2.3 | 78.9 | 993.8 |
| 04/02/2022 | 00:00:00 - 00:15:00 | 2 | 2 | 4 | 3 | 2 | 2.2 | 135.6 | 2.4 | 78.0 | 993.7 |
| 04/02/2022 | 00:15:00 - 00:30:00 | 2 | 2 | 4 | 4 | 2 | 3.1 | 127.1 | 2.3 | 78.0 | 993.7 |
| 04/02/2022 | 00:30:00 - 00:45:00 | 2 | 2 | 4 | 3 | 2 | 3.0 | 149.8 | 2.1 | 78.9 | 993.6 |
| 04/02/2022 | 00:45:00 - 01:00:00 | 2 | 2 | 4 | 4 | 3 | 2.6 | 154.9 | 1.9 | 79.7 | 993.6 |
| 04/02/2022 | 01:00:00 - 01:15:00 | 2 | 2 | 4 | 4 | 3 | 3.0 | 155.0 | 1.8 | 80.1 | 993.5 |
| 04/02/2022 | 01:15:00 - 01:30:00 | 2 | 2 | 4 | 4 | 3 | 2.6 | 165.4 | 1.6 | 81.0 | 993.4 |
| 04/02/2022 | 01:30:00 - 01:45:00 | 3 | 2 | 4 | 4 | 3 | 2.6 | 165.2 | 1.5 | 81.2 | 993.5 |
| 04/02/2022 | 01:45:00 - 02:00:00 | 3 | 2 | 4 | 4 | 3 | 3.3 | 146.0 | 1.6 | 81.0 | 993.3 |
| 04/02/2022 | 02:00:00 - 02:15:00 | 3 | 2 | 5 | 4 | 3 | 2.4 | 150.2 | 1.4 | 81.0 | 993.2 |
| 04/02/2022 | 02:15:00 - 02:30:00 | 2 | 2 | 4 | 4 | 3 | 3.1 | 141.7 | 1.7 | 79.0 | 992.8 |
| 04/02/2022 | 02:30:00 - 02:45:00 | 2 | 2 | 4 | 4 | 3 | 4.0 | 138.5 | 1.9 | 76.8 | 992.4 |
| 04/02/2022 | 02:45:00 - 03:00:00 | 2 | 2 | 4 | 4 | 3 | 4.2 | 139.2 | 2.0 | 75.8 | 992.3 |
| 04/02/2022 | 03:00:00 - 03:15:00 | 2 | 2 | 4 | 4 | 3 | 3.6 | 151.9 | 2.0 | 75.4 | 992.2 |
| 04/02/2022 | 03:15:00 - 03:30:00 | 2 | 2 | 4 | 4 | 3 | 2.3 | 165.5 | 1.7 | 76.4 | 992.3 |
| 04/02/2022 | 03:30:00 - 03:45:00 | 3 | 3 | 5 | 4 | 3 | 2.3 | 172.5 | 1.4 | 78.0 | 992.4 |
| 04/02/2022 | 03:45:00 - 04:00:00 | 3 | 3 | 5 | 4 | 4 | 2.4 | 178.0 | 1.2 | 79.4 | 992.6 |
| 04/02/2022 | 04:00:00 - 04:15:00 | 3 | 3 | 5 | 4 | 4 | 2.3 | 171.1 | 1.0 | 81.6 | 992.7 |
| 04/02/2022 | 04:15:00 - 04:30:00 | 3 | 3 | 5 | 5 | 4 | 2.4 | 160.5 | 0.9 | 82.0 | 992.6 |
| 04/02/2022 | 04:30:00 - 04:45:00 | 3 | 3 | 5 | 5 | 4 | 2.1 | 147.0 | 1.0 | 82.0 | 992.2 |
| 04/02/2022 | 04:45:00 - 05:00:00 | 3 | 3 | 5 | 5 | 4 | 1.7 | 150.9 | 1.1 | 81.2 | 992.4 |
| 04/02/2022 | 05:00:00 - 05:15:00 | 3 | 3 | 5 | 5 | 4 | 1.6 | 161.3 | 1.0 | 82.0 | 992.5 |
| 04/02/2022 | 05:15:00 - 05:30:00 | 4 | 3 | 5 | 5 | 4 | 2.4 | 142.8 | 0.8 | 82.0 | 992.4 |
| 04/02/2022 | 05:30:00 - 05:45:00 | 4 | 3 | 5 | 5 | 5 | 1.9 | 155.2 | 0.9 | 82.0 | 992.3 |
| 04/02/2022 | 05:45:00 - 06:00:00 | 4 | 3 | 5 | 5 | 4 | 2.2 | 152.0 | 0.9 | 81.3 | 992.1 |
| 04/02/2022 | 06:00:00 - 06:15:00 | 4 | 3 | 5 | 5 | 4 | 2.2 | 145.2 | 1.1 | 80.1 | 992.0 |
| 04/02/2022 | 06:15:00 - 06:30:00 | 4 | 3 | 5 | 5 | 4 | 2.5 | 153.3 | 1.1 | 80.0 | 992.2 |
| 04/02/2022 | 06:30:00 - 06:45:00 | 4 | 4 | 6 | 5 | 4 | 3.1 | 144.5 | 1.1 | 79.6 | 992.1 |
| 04/02/2022 | 06:45:00 - 07:00:00 | 4 | 4 | 6 | 5 | 5 | 3.2 | 147.7 | 1.3 | 79.0 | 992.0 |
| 04/02/2022 | 07:00:00 - 07:15:00 | 4 | 4 | 6 | 5 | 5 | 2.6 | 144.1 | 1.4 | 78.5 | 992.0 |
| 04/02/2022 | 07:15:00 - 07:30:00 | 4 | 4 | 6 | 5 | 5 | 2.5 | 156.5 | 1.6 | 78.0 | 992.0 |
| 04/02/2022 | 07:30:00 - 07:45:00 | 4 | 4 | 6 | 5 | 5 | 3.2 | 149.0 | 1.8 | 78.0 | 991.8 |
| 04/02/2022 | 07:45:00 - 08:00:00 | 4 | 4 | 6 | 6 | 5 | 3.4 | 144.4 | 2.0 | 77.4 | 991.6 |
| 04/02/2022 | 08:00:00 - 08:15:00 | 5 | 5 | 6 | 6 | 6 | 3.9 | 145.1 | 2.4 | 76.1 | 991.2 |
| 04/02/2022 | 08:15:00 - 08:30:00 | 5 | 5 | 7 | 7 | 6 | 3.7 | 153.0 | 2.6 | 75.1 | 991.1 |
| 04/02/2022 | 08:30:00 - 08:45:00 | 5 | 5 | 7 | 7 | 7 | 3.5 | 150.4 | 2.4 | 76.6 | 990.9 |
| 04/02/2022 | 08:45:00 - 09:00:00 | 5 | 5 | 7 | 7 | 6 | 4.0 | 146.8 | 2.5 | 77.4 | 990.6 |
| 04/02/2022 | 09:00:00 - 09:15:00 | 6 | 5 | 7 | 7 | 6 | 4.9 | 145.1 | 2.6 | 78.2 | 990.5 |
| 04/02/2022 | 09:15:00 - 09:30:00 | 5 | 5 | 7 | 7 | 6 | 4.9 | 143.2 | 3.3 | 76.5 | 990.1 |
| 04/02/2022 | 09:30:00 - 09:45:00 | 6 | 5 | 7 | 7 | 6 | 4.3 | 149.0 | 4.0 | 74.5 | 989.7 |
| 04/02/2022 | 09:45:00 - 10:00:00 | 7 | 6 | 8 | 7 | 7 | 4.5 | 155.0 | 5.4 | 71.5 | 989.5 |
| 04/02/2022 | 10:00:00 - 10:15:00 | 7 | 6 | 7 | 8 | 7 | 4.2 | 158.3 | 5.5 | 71.2 | 989.1 |
| 04/02/2022 | 10:15:00 - 10:30:00 | 7 | 6 | 7 | 8 | 7 | 4.5 | 154.4 | 6.1 | 71.3 | 988.9 |
| 04/02/2022 | 10:30:00 - 10:45:00 | 7 | 6 | 7 | 8 | 7 | 4.0 | 163.9 | 6.4 | 70.5 | 988.5 |
| 04/02/2022 | 10:45:00 - 11:00:00 | 8 | 6 | 7 | 8 | 8 | 4.2 | 154.8 | 7.2 | 70.7 | 988.4 |
| 04/02/2022 | 11:00:00 - 11:15:00 | 8 | 6 | 7 | 8 | 7 | 4.6 | 170.5 | 8.3 | 68.1 | 988.1 |
| 04/02/2022 | 11:15:00 - 11:30:00 | 7 | 6 | 7 | 8 | 7 | 4.3 | 174.5 | 8.8 | 67.0 | 987.7 |
| 04/02/2022 | 11:30:00 - 11:45:00 | 7 | 5 | 7 | 8 | 7 | 3.9 | 173.5 | 9.2 | 65.5 | 987.3 |
| 04/02/2022 | 11:45:00 - 12:00:00 | 7 | 5 | 6 | 7 | 7 | 3.9 | 182.5 | 9.8 | 65.4 | 986.8 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 04/02/2022 | 12:00:00 - 12:15:00 | 8 | 5 | 7 | 10 | 8 | 5.3 | 184.2 | 9.8 | 62.7 | 986.5 |
| 04/02/2022 | 12:15:00 - 12:30:00 | 8 | 6 | 7 | 8 | 8 | 4.8 | 182.4 | 9.6 | 64.3 | 986.2 |
| 04/02/2022 | 12:30:00 - 12:45:00 | 9 | 6 | 7 | 8 | 8 | 4.1 | 180.7 | 9.5 | 67.1 | 986.0 |
| 04/02/2022 | 12:45:00 - 13:00:00 | 8 | 6 | 7 | 8 | 8 | 2.8 | 182.2 | 10.1 | 67.5 | 985.6 |
| 04/02/2022 | 13:00:00 - 13:15:00 | 9 | 6 | 7 | 8 | 8 | 4.4 | 191.7 | 10.2 | 66.2 | 985.4 |
| 04/02/2022 | 13:15:00 - 13:30:00 | 9 | 6 | 7 | 8 | 8 | 4.5 | 206.4 | 9.7 | 68.3 | 985.6 |
| 04/02/2022 | 13:30:00 - 13:45:00 | 10 | 7 | 8 | 9 | 8 | 4.7 | 207.4 | 9.3 | 72.9 | 985.5 |
| 04/02/2022 | 13:45:00 - 14:00:00 | 10 | 7 | 8 | 9 | 9 | 4.1 | 214.5 | 9.4 | 76.1 | 985.3 |
| 04/02/2022 | 14:00:00 - 14:15:00 | 9 | 7 | 8 | 8 | 7 | 4.5 | 218.3 | 9.6 | 77.7 | 985.0 |
| 04/02/2022 | 14:15:00 - 14:30:00 | 9 | 6 | 8 | 8 | 7 | 3.9 | 220.6 | 9.7 | 78.1 | 984.8 |
| 04/02/2022 | 14:30:00 - 14:45:00 | 9 | 7 | 8 | 8 | 7 | 4.1 | 236.8 | 9.9 | 78.8 | 984.7 |
| 04/02/2022 | 14:45:00 - 15:00:00 | 10 | 8 | 9 | 9 | 8 | 6.2 | 261.0 | 10.2 | 77.0 | 984.7 |
| 04/02/2022 | 15:00:00 - 15:15:00 | 9 | 7 | 8 | 8 | 7 | 6.3 | 268.8 | 10.2 | 76.4 | 984.8 |
| 04/02/2022 | 15:15:00 - 15:30:00 | 8 | 6 | 8 | 8 | 7 | 6.7 | 270.9 | 10.2 | 77.0 | 984.8 |
| 04/02/2022 | 15:30:00 - 15:45:00 | 8 | 6 | 7 | 7 | 7 | 7.1 | 278.7 | 10.2 | 77.2 | 985.0 |
| 04/02/2022 | 15:45:00 - 16:00:00 | 10 | 8 | 9 | 9 | 9 | 9.6 | 278.8 | 9.6 | 78.4 | 985.3 |
| 04/02/2022 | 16:00:00 - 16:15:00 | 10 | 8 | 9 | 9 | 9 | 10.4 | 286.3 | 8.8 | 80.7 | 985.6 |
| 04/02/2022 | 16:15:00 - 16:30:00 | 11 | 9 | 10 | 10 | 10 | 10.0 | 287.7 | 8.1 | 82.2 | 986.0 |
| 04/02/2022 | 16:30:00 - 16:45:00 | 11 | 9 | 9 | 10 | 9 | 11.0 | 290.3 | 7.7 | 80.9 | 986.3 |
| 04/02/2022 | 16:45:00 - 17:00:00 | 7 | 6 | 6 | 6 | 6 | 10.4 | 287.6 | 7.7 | 77.1 | 986.5 |
| 04/02/2022 | 17:00:00 - 17:15:00 | 6 | 4 | 6 | 6 | 4 | 8.7 | 300.2 | 7.8 | 76.0 | 986.8 |
| 04/02/2022 | 17:15:00 - 17:30:00 | 5 | 3 | 4 | 4 | 3 | 9.8 | 298.3 | 7.6 | 74.8 | 987.1 |
| 04/02/2022 | 17:30:00 - 17:45:00 | 4 | 3 | 4 | 4 | 2 | 9.6 | 300.6 | 7.4 | 75.2 | 987.4 |
| 04/02/2022 | 17:45:00 - 18:00:00 | 4 | 3 | 4 | 4 | 1 | 9.8 | 299.3 | 7.1 | 75.2 | 987.6 |
| 04/02/2022 | 18:00:00 - 18:15:00 | 4 | 3 | 4 | 4 | 2 | 10.2 | 298.5 | 7.1 | 74.4 | 987.8 |
| 04/02/2022 | 18:15:00 - 18:30:00 | 4 | 3 | 4 | 4 | 2 | 10.1 | 302.8 | 6.8 | 75.0 | 988.0 |
| 04/02/2022 | 18:30:00 - 18:45:00 | 4 | 3 | 4 | 4 | 2 | 9.9 | 298.4 | 6.6 | 75.5 | 988.2 |
| 04/02/2022 | 18:45:00 - 19:00:00 | 4 | 3 | 4 | 4 | 2 | 9.2 | 299.5 | 6.2 | 76.6 | 988.3 |
| 04/02/2022 | 19:00:00 - 19:15:00 | 3 | 2 | 4 | 3 | 1 | 8.9 | 297.9 | 5.8 | 76.8 | 988.5 |
| 04/02/2022 | 19:15:00 - 19:30:00 | 3 | 2 | 4 | 3 | 1 | 7.4 | 299.5 | 5.6 | 79.1 | 988.6 |
| 04/02/2022 | 19:30:00 - 19:45:00 | 3 | 2 | 4 | 3 | 1 | 8.3 | 294.6 | 5.6 | 80.5 | 988.8 |
| 04/02/2022 | 19:45:00 - 20:00:00 | 3 | 2 | 4 | 3 | 1 | 5.8 | 292.0 | 5.5 | 81.6 | 989.1 |
| 04/02/2022 | 20:00:00 - 20:15:00 | 2 | 2 | 4 | 3 | 1 | 5.8 | 296.1 | 5.5 | 82.0 | 989.3 |
| 04/02/2022 | 20:15:00 - 20:30:00 | 2 | 2 | 4 | 3 | 1 | 7.1 | 299.6 | 5.6 | 81.2 | 989.7 |
| 04/02/2022 | 20:30:00 - 20:45:00 | 3 | 2 | 4 | 3 | 1 | 6.2 | 302.4 | 5.4 | 78.8 | 989.8 |
| 04/02/2022 | 20:45:00 - 21:00:00 | 3 | 2 | 4 | 3 | 1 | 5.9 | 302.2 | 5.2 | 78.8 | 989.8 |
| 04/02/2022 | 21:00:00 - 21:15:00 | 3 | 2 | 4 | 3 | 1 | 5.7 | 302.1 | 5.0 | 80.6 | 990.0 |
| 04/02/2022 | 21:15:00 - 21:30:00 | 3 | 2 | 4 | 4 | 2 | 4.1 | 295.0 | 4.8 | 83.0 | 990.2 |
| 04/02/2022 | 21:30:00 - 21:45:00 | 3 | 3 | 4 | 4 | 2 | 3.1 | 292.9 | 4.5 | 84.5 | 990.2 |
| 04/02/2022 | 21:45:00 - 22:00:00 | 3 | 3 | 4 | 4 | 2 | 3.5 | 279.7 | 4.2 | 85.8 | 990.4 |
| 04/02/2022 | 22:00:00 - 22:15:00 | 3 | 3 | 4 | 4 | 2 | 3.4 | 284.2 | 4.0 | 86.9 | 990.5 |
| 04/02/2022 | 22:15:00 - 22:30:00 | 3 | 3 | 4 | 4 | 2 | 2.1 | 308.5 | 3.8 | 87.7 | 990.3 |
| 04/02/2022 | 22:30:00 - 22:45:00 | 3 | 3 | 5 | 5 | 3 | 1.8 | 319.8 | 3.7 | 87.8 | 990.2 |
| 04/02/2022 | 22:45:00 - 23:00:00 | 3 | 3 | 5 | 5 | 3 | 1.3 | 342.9 | 3.6 | 87.8 | 990.3 |
| 04/02/2022 | 23:00:00 - 23:15:00 | 4 | 3 | 5 | 5 | 3 | 1.0 | 310.5 | 3.3 | 88.6 | 990.3 |
| 04/02/2022 | 23:15:00 - 23:30:00 | 4 | 4 | 5 | 5 | 3 | 1.9 | 257.1 | 3.2 | 89.0 | 990.3 |
| 04/02/2022 | 23:30:00 - 23:45:00 | 4 | 4 | 5 | 6 | 4 | 0.9 | 221.4 | 2.9 | 89.9 | 990.3 |
| 04/03/2022 | 23:45:00 - 00:00:00 | 4 | 4 | 6 | 6 | 4 | 0.4 | 200.0 | 2.2 | 91.1 | 990.4 |
| 04/03/2022 | 00:00:00 - 00:15:00 | 5 | 4 | 6 | 6 | 5 | 0.3 | 166.9 | 2.2 | 92.1 | 990.5 |
| 04/03/2022 | 00:15:00 - 00:30:00 | 4 | 5 | 6 | 6 | 5 | 1.4 | 220.4 | 1.9 | 92.9 | 990.5 |
| 04/03/2022 | 00:30:00 - 00:45:00 | 4 | 5 | 6 | 7 | 5 | 1.6 | 232.0 | 2.0 | 94.0 | 990.6 |
| 04/03/2022 | 00:45:00 - 01:00:00 | 5 | 5 | 6 | 7 | 5 | 1.1 | 214.8 | 1.6 | 93.9 | 990.6 |
| 04/03/2022 | 01:00:00 - 01:15:00 | 5 | 5 | 6 | 7 | 6 | 1.4 | 193.1 | 1.8 | 94.9 | 990.7 |
| 04/03/2022 | 01:15:00 - 01:30:00 | 5 | 5 | 7 | 8 | 6 | 1.4 | 178.1 | 1.6 | 95.0 | 990.7 |
| 04/03/2022 | 01:30:00 - 01:45:00 | 7 | 6 | 7 | 9 | 7 | 1.2 | 170.4 | 1.6 | 95.1 | 990.7 |
| 04/03/2022 | 01:45:00 - 02:00:00 | 8 | 7 | 8 | 11 | 9 | 1.6 | 168.3 | 1.4 | 95.8 | 990.6 |
| 04/03/2022 | 02:00:00 - 02:15:00 | 7 | 7 | 8 | 11 | 9 | 1.3 | 180.9 | 1.3 | 96.0 | 990.6 |
| 04/03/2022 | 02:15:00 - 02:30:00 | 7 | 7 | 8 | 11 | 8 | 1.3 | 170.6 | 1.2 | 96.7 | 990.5 |
| 04/03/2022 | 02:30:00 - 02:45:00 | 7 | 7 | 8 | 11 | 8 | 1.0 | 184.6 | 1.4 | 97.2 | 990.5 |
| 04/03/2022 | 02:45:00 - 03:00:00 | 7 | 7 | 8 | 12 | 8 | 1.2 | 191.2 | 1.9 | 97.0 | 990.5 |
| 04/03/2022 | 03:00:00 - 03:15:00 | 8 | 8 | 9 | 13 | 10 | 1.1 | 208.8 | 2.0 | 97.0 | 990.5 |
| 04/03/2022 | 03:15:00 - 03:30:00 | 8 | 8 | 9 | 12 | 9 | 1.7 | 212.2 | 2.0 | 97.0 | 990.4 |
| 04/03/2022 | 03:30:00 - 03:45:00 | 8 | 7 | 9 | 11 | 8 | 1.5 | 212.9 | 1.9 | 97.0 | 990.4 |
| 04/03/2022 | 03:45:00 - 04:00:00 | 8 | 7 | 8 | 10 | 8 | 1.4 | 226.3 | 1.9 | 97.0 | 990.4 |
| 04/03/2022 | 04:00:00 - 04:15:00 | 8 | 7 | 9 | 11 | 8 | 1.9 | 236.6 | 1.9 | 97.0 | 990.3 |
| 04/03/2022 | 04:15:00 - 04:30:00 | 8 | 7 | 9 | 11 | 8 | 1.6 | 232.0 | 1.9 | 97.0 | 990.4 |
| 04/03/2022 | 04:30:00 - 04:45:00 | 8 | 7 | 8 | 10 | 8 | 2.4 | 251.6 | 2.2 | 97.0 | 990.4 |
| 04/03/2022 | 04:45:00 - 05:00:00 | 8 | 7 | 9 | 11 | 9 | 2.0 | 240.2 | 2.2 | 96.0 | 990.4 |
| 04/03/2022 | 05:00:00 - 05:15:00 | 9 | 8 | 9 | 11 | 9 | 1.9 | 241.2 | 1.9 | 96.0 | 990.4 |
| 04/03/2022 | 05:15:00 - 05:30:00 | 9 | 8 | 9 | 11 | 9 | 2.8 | 250.4 | 1.9 | 96.0 | 990.5 |
| 04/03/2022 | 05:30:00 - 05:45:00 | 9 | 8 | 9 | 12 | 10 | 3.7 | 255.4 | 1.9 | 96.0 | 990.6 |
| 04/03/2022 | 05:45:00 - 06:00:00 | 9 | 8 | 9 | 12 | 10 | 4.1 | 255.4 | 2.1 | 95.2 | 990.7 |
| 04/03/2022 | 06:00:00 - 06:15:00 | 8 | 8 | 9 | 11 | 9 | 3.7 | 255.1 | 2.0 | 94.9 | 990.8 |
| 04/03/2022 | 06:15:00 - 06:30:00 | 8 | 7 | 9 | 11 | 8 | 3.5 | 251.5 | 2.1 | 93.9 | 990.9 |
| 04/03/2022 | 06:30:00 - 06:45:00 | 7 | 7 | 8 | 10 | 8 | 3.0 | 261.3 | 2.1 | 93.1 | 991.0 |
| 04/03/2022 | 06:45:00 - 07:00:00 | 7 | 7 | 8 | 10 | 8 | 3.1 | 272.9 | 2.3 | 92.1 | 991.1 |
| 04/03/2022 | 07:00:00 - 07:15:00 | 7 | 6 | 8 | 10 | 8 | 2.6 | 271.5 | 2.4 | 91.0 | 991.3 |
| 04/03/2022 | 07:15:00 - 07:30:00 | 5 | 6 | 7 | 10 | 6 | 2.6 | 270.0 | 2.9 | 89.1 | 991.3 |
| 04/03/2022 | 07:30:00 - 07:45:00 | 4 | 5 | 6 | 9 | 5 | 2.9 | 281.0 | 3.4 | 86.8 | 991.4 |
| 04/03/2022 | 07:45:00 - 08:00:00 | 4 | 4 | 5 | 7 | 4 | 3.7 | 285.0 | 3.9 | 84.2 | 991.5 |
| 04/03/2022 | 08:00:00 - 08:15:00 | 3 | 4 | 5 | 7 | 2 | 3.9 | 288.0 | 4.4 | 81.5 | 991.4 |
| 04/03/2022 | 08:15:00 - 08:30:00 | 3 | 3 | 5 | 6 | 2 | 4.7 | 289.0 | 4.9 | 79.2 | 991.6 |
| 04/03/2022 | 08:30:00 - 08:45:00 | 3 | 3 | 5 | 4 | 2 | 4.4 | 286.7 | 5.2 | 78.3 | 991.7 |
| 04/03/2022 | 08:45:00 - 09:00:00 | 3 | 3 | 4 | 4 | 2 | 4.3 | 300.4 | 5.7 | 76.7 | 991.8 |
| 04/03/2022 | 09:00:00 - 09:15:00 | 3 | 3 | 4 | 4 | 2 | 4.7 | 294.0 | 6.1 | 76.1 | 992.0 |
| 04/03/2022 | 09:15:00 - 09:30:00 | 3 | 3 | 4 | 3 | 2 | 4.1 | 288.3 | 7.0 | 72.9 | 992.0 |
| 04/03/2022 | 09:30:00 - 09:45:00 | 3 | 2 | 4 | 3 | 1 | 4.3 | 304.7 | 7.5 | 68.1 | 992.1 |
| 04/03/2022 | 09:45:00 - 10:00:00 | 3 | 2 | 3 | 3 | 1 | 4.3 | 302.7 | 8.2 | 65.0 | 992.1 |
| 04/03/2022 | 10:00:00 - 10:15:00 | 2 | 1 | 3 | 3 | 1 | 3.9 | 318.6 | 8.9 | 61.9 | 992.0 |
| 04/03/2022 | 10:15:00 - 10:30:00 | 2 | 0 | 3 | 3 | 1 | 5.0 | 299.5 | 9.1 | 56.7 | 992.1 |
| 04/03/2022 | 10:30:00 - 10:45:00 | 2 | 0 | 3 | 2 | 1 | 4.2 | 302.0 | 9.7 | 54.7 | 992.1 |
| 04/03/2022 | 10:45:00 - 11:00:00 | 2 | 0 | 2 | 2 | 1 | 3.9 | 301.5 | 10.4 | 53.3 | 992.1 |
| 04/03/2022 | 11:00:00 - 11:15:00 | 2 | 0 | 2 | 2 | 1 | 4.5 | 308.1 | 10.8 | 49.7 | 992.2 |
| 04/03/2022 | 11:15:00 - 11:30:00 | 2 | 0 | 2 | 2 | 1 | 5.1 | 291.4 | 11.0 | 47.2 | 992.2 |
| 04/03/2022 | 11:30:00 - 11:45:00 | 2 | 0 | 2 | 2 | 0 | 5.1 | 303.5 | 11.2 | 46.6 | 992.2 |
| 04/03/2022 | 11:45:00 - 12:00:00 | 2 | 0 | 2 | 2 | 0 | 5.8 | 318.0 | 11.8 | 46.4 | 992.1 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 04/03/2022 | 12:00:00 - 12:15:00 | 2 | 0 | 2 | 2 | 0 | 6.5 | 322.8 | 11.7 | 46.9 | 992.1 |
| 04/03/2022 | 12:15:00 - 12:30:00 | 2 | 0 | 2 | 2 | 1 | 5.0 | 337.2 | 12.1 | 49.8 | 992.1 |
| 04/03/2022 | 12:30:00 - 12:45:00 | 2 | 0 | 2 | 3 | 1 | 5.4 | 316.7 | 12.3 | 49.5 | 992.1 |
| 04/03/2022 | 12:45:00 - 13:00:00 | 3 | 0 | 2 | 3 | 1 | 5.9 | 300.3 | 12.6 | 48.5 | 992.0 |
| 04/03/2022 | 13:00:00 - 13:15:00 | 3 | 0 | 2 | 3 | 1 | 5.4 | 287.8 | 12.7 | 48.6 | 991.8 |
| 04/03/2022 | 13:15:00 - 13:30:00 | 3 | 0 | 2 | 3 | 1 | 4.7 | 323.2 | 13.1 | 48.3 | 991.6 |
| 04/03/2022 | 13:30:00 - 13:45:00 | 3 | 0 | 2 | 3 | 1 | 5.1 | 312.5 | 13.3 | 46.9 | 991.4 |
| 04/03/2022 | 13:45:00 - 14:00:00 | 3 | 0 | 2 | 3 | 1 | 3.9 | 323.2 | 13.6 | 47.0 | 991.2 |
| 04/03/2022 | 14:00:00 - 14:15:00 | 3 | 0 | 2 | 3 | 1 | 4.0 | 297.8 | 13.6 | 46.4 | 991.0 |
| 04/03/2022 | 14:15:00 - 14:30:00 | 3 | 0 | 2 | 3 | 1 | 4.7 | 301.0 | 13.9 | 46.8 | 990.8 |
| 04/03/2022 | 14:30:00 - 14:45:00 | 3 | 0 | 2 | 3 | 1 | 4.0 | 293.9 | 14.2 | 46.4 | 990.6 |
| 04/03/2022 | 14:45:00 - 15:00:00 | 3 | 0 | 2 | 3 | 1 | 5.0 | 285.7 | 14.2 | 46.1 | 990.4 |
| 04/03/2022 | 15:00:00 - 15:15:00 | 3 | 0 | 2 | 3 | 1 | 3.8 | 303.4 | 14.5 | 46.0 | 990.2 |
| 04/03/2022 | 15:15:00 - 15:30:00 | 3 | 0 | 2 | 3 | 1 | 3.7 | 297.1 | 14.5 | 44.8 | 990.1 |
| 04/03/2022 | 15:30:00 - 15:45:00 | 3 | 0 | 2 | 3 | 1 | 4.6 | 280.2 | 14.7 | 44.5 | 989.9 |
| 04/03/2022 | 15:45:00 - 16:00:00 | 4 | 0 | 2 | 3 | 1 | 5.0 | 302.8 | 14.6 | 45.2 | 990.0 |
| 04/03/2022 | 16:00:00 - 16:15:00 | 3 | 0 | 2 | 3 | 1 | 4.5 | 291.7 | 14.4 | 44.1 | 990.0 |
| 04/03/2022 | 16:15:00 - 16:30:00 | 3 | 0 | 2 | 3 | 1 | 4.4 | 307.0 | 14.5 | 44.8 | 989.8 |
| 04/03/2022 | 16:30:00 - 16:45:00 | 3 | 0 | 3 | 3 | 2 | 4.3 | 291.5 | 14.5 | 43.8 | 989.8 |
| 04/03/2022 | 16:45:00 - 17:00:00 | 3 | 0 | 2 | 3 | 1 | 4.9 | 293.8 | 14.5 | 44.3 | 989.8 |
| 04/03/2022 | 17:00:00 - 17:15:00 | 3 | 0 | 2 | 3 | 1 | 5.2 | 294.8 | 13.8 | 46.0 | 989.9 |
| 04/03/2022 | 17:15:00 - 17:30:00 | 3 | 0 | 3 | 3 | 1 | 4.3 | 298.0 | 13.8 | 46.9 | 989.9 |
| 04/03/2022 | 17:30:00 - 17:45:00 | 3 | 0 | 3 | 3 | 1 | 4.5 | 296.9 | 13.7 | 47.5 | 989.7 |
| 04/03/2022 | 17:45:00 - 18:00:00 | 3 | 0 | 3 | 3 | 2 | 3.5 | 297.3 | 13.7 | 47.2 | 989.6 |
| 04/03/2022 | 18:00:00 - 18:15:00 | 4 | 1 | 4 | 4 | 3 | 3.4 | 280.1 | 13.5 | 45.8 | 989.6 |
| 04/03/2022 | 18:15:00 - 18:30:00 | 5 | 2 | 4 | 4 | 3 | 2.0 | 270.0 | 13.4 | 46.3 | 989.6 |
| 04/03/2022 | 18:30:00 - 18:45:00 | 5 | 2 | 4 | 4 | 3 | 1.6 | 300.7 | 13.2 | 48.2 | 989.6 |
| 04/03/2022 | 18:45:00 - 19:00:00 | 5 | 3 | 4 | 4 | 3 | 1.6 | 303.4 | 12.9 | 48.2 | 989.5 |
| 04/03/2022 | 19:00:00 - 19:15:00 | 4 | 2 | 4 | 4 | 3 | 1.0 | 294.1 | 12.7 | 48.3 | 989.5 |
| 04/03/2022 | 19:15:00 - 19:30:00 | 4 | 2 | 4 | 4 | 3 | 0.3 | 276.7 | 12.3 | 49.7 | 989.4 |
| 04/03/2022 | 19:30:00 - 19:45:00 | 5 | 3 | 5 | 4 | 4 | 0.9 | 278.2 | 12.5 | 49.7 | 989.4 |
| 04/03/2022 | 19:45:00 - 20:00:00 | 6 | 4 | 6 | 6 | 6 | 0.3 | 10.7 | 12.4 | 50.4 | 989.3 |
| 04/03/2022 | 20:00:00 - 20:15:00 | 5 | 4 | 5 | 6 | 5 | 1.0 | 97.5 | 12.3 | 51.5 | 989.4 |
| 04/03/2022 | 20:15:00 - 20:30:00 | 6 | 4 | 5 | 6 | 5 | 0.1 | 348.2 | 12.2 | 53.9 | 989.4 |
| 04/03/2022 | 20:30:00 - 20:45:00 | 5 | 3 | 5 | 6 | 4 | 0.7 | 83.5 | 12.1 | 54.0 | 989.4 |
| 04/03/2022 | 20:45:00 - 21:00:00 | 5 | 3 | 5 | 5 | 4 | 1.4 | 98.9 | 12.1 | 54.9 | 989.5 |
| 04/03/2022 | 21:00:00 - 21:15:00 | 5 | 4 | 5 | 5 | 4 | 1.3 | 105.0 | 12.3 | 53.3 | 989.4 |
| 04/03/2022 | 21:15:00 - 21:30:00 | 7 | 5 | 6 | 8 | 6 | 2.6 | 73.4 | 11.8 | 57.6 | 989.2 |
| 04/03/2022 | 21:30:00 - 21:45:00 | 6 | 4 | 5 | 6 | 4 | 3.0 | 102.3 | 11.6 | 58.6 | 989.1 |
| 04/03/2022 | 21:45:00 - 22:00:00 | 4 | 2 | 4 | 4 | 3 | 3.6 | 98.4 | 11.5 | 59.9 | 988.9 |
| 04/03/2022 | 22:00:00 - 22:15:00 | 4 | 2 | 4 | 4 | 2 | 4.4 | 98.6 | 11.4 | 60.1 | 988.7 |
| 04/03/2022 | 22:15:00 - 22:30:00 | 5 | 3 | 4 | 5 | 3 | 5.0 | 104.6 | 11.1 | 62.5 | 988.4 |
| 04/03/2022 | 22:30:00 - 22:45:00 | 5 | 3 | 5 | 5 | 3 | 3.7 | 108.1 | 10.8 | 65.6 | 988.2 |
| 04/03/2022 | 22:45:00 - 23:00:00 | 5 | 3 | 5 | 5 | 3 | 2.7 | 126.4 | 10.7 | 65.6 | 988.4 |
| 04/03/2022 | 23:00:00 - 23:15:00 | 5 | 3 | 5 | 5 | 3 | 2.7 | 117.9 | 10.5 | 67.0 | 988.2 |
| 04/03/2022 | 23:15:00 - 23:30:00 | 4 | 3 | 4 | 4 | 3 | 4.6 | 97.4 | 10.3 | 67.0 | 987.8 |
| 04/03/2022 | 23:30:00 - 23:45:00 | 4 | 3 | 4 | 4 | 2 | 4.0 | 102.9 | 10.2 | 67.4 | 987.9 |
| 04/04/2022 | 23:45:00 - 00:00:00 | 5 | 3 | 5 | 5 | 3 | 3.2 | 118.9 | 10.1 | 67.8 | 987.7 |
| 04/04/2022 | 00:00:00 - 00:15:00 | 4 | 3 | 4 | 5 | 3 | 3.5 | 116.0 | 9.9 | 68.0 | 987.5 |
| 04/04/2022 | 00:15:00 - 00:30:00 | 4 | 3 | 4 | 4 | 2 | 4.0 | 123.2 | 9.8 | 68.0 | 987.1 |
| 04/04/2022 | 00:30:00 - 00:45:00 | 3 | 2 | 4 | 4 | 2 | 4.1 | 126.2 | 9.8 | 67.9 | 986.7 |
| 04/04/2022 | 00:45:00 - 01:00:00 | 3 | 2 | 3 | 3 | 1 | 5.1 | 125.5 | 9.8 | 65.9 | 986.4 |
| 04/04/2022 | 01:00:00 - 01:15:00 | 3 | 2 | 3 | 3 | 1 | 4.9 | 127.9 | 9.8 | 65.0 | 986.2 |
| 04/04/2022 | 01:15:00 - 01:30:00 | 3 | 1 | 3 | 3 | 1 | 3.8 | 135.2 | 9.8 | 64.3 | 986.3 |
| 04/04/2022 | 01:30:00 - 01:45:00 | 2 | 1 | 3 | 3 | 1 | 4.6 | 144.6 | 9.9 | 63.3 | 986.6 |
| 04/04/2022 | 01:45:00 - 02:00:00 | 2 | 1 | 3 | 3 | 0 | 2.7 | 140.1 | 9.7 | 64.7 | 986.9 |
| 04/04/2022 | 02:00:00 - 02:15:00 | 3 | 1 | 3 | 3 | 1 | 1.9 | 165.2 | 9.6 | 65.7 | 987.1 |
| 04/04/2022 | 02:15:00 - 02:30:00 | 3 | 2 | 4 | 4 | 1 | 2.0 | 144.6 | 9.1 | 70.7 | 987.0 |
| 04/04/2022 | 02:30:00 - 02:45:00 | 3 | 2 | 4 | 4 | 2 | 2.3 | 141.2 | 8.8 | 73.5 | 986.9 |
| 04/04/2022 | 02:45:00 - 03:00:00 | 3 | 2 | 4 | 3 | 1 | 2.9 | 137.6 | 9.0 | 71.4 | 986.7 |
| 04/04/2022 | 03:00:00 - 03:15:00 | 3 | 2 | 4 | 3 | 1 | 2.5 | 135.3 | 9.2 | 70.0 | 986.4 |
| 04/04/2022 | 03:15:00 - 03:30:00 | 3 | 2 | 4 | 3 | 1 | 2.1 | 143.7 | 9.2 | 69.9 | 986.3 |
| 04/04/2022 | 03:30:00 - 03:45:00 | 3 | 2 | 4 | 3 | 1 | 2.5 | 139.5 | 9.2 | 70.1 | 985.9 |
| 04/04/2022 | 03:45:00 - 04:00:00 | 3 | 2 | 4 | 3 | 1 | 2.1 | 143.7 | 9.3 | 69.8 | 985.5 |
| 04/04/2022 | 04:00:00 - 04:15:00 | 3 | 2 | 4 | 3 | 1 | 2.5 | 152.1 | 9.2 | 70.3 | 985.5 |
| 04/04/2022 | 04:15:00 - 04:30:00 | 3 | 2 | 4 | 4 | 2 | 2.8 | 150.1 | 9.0 | 72.1 | 985.3 |
| 04/04/2022 | 04:30:00 - 04:45:00 | 3 | 2 | 4 | 4 | 2 | 2.0 | 165.2 | 9.1 | 71.7 | 985.3 |
| 04/04/2022 | 04:45:00 - 05:00:00 | 3 | 2 | 4 | 4 | 1 | 1.3 | 195.1 | 9.0 | 73.2 | 985.6 |
| 04/04/2022 | 05:00:00 - 05:15:00 | 3 | 2 | 4 | 4 | 1 | 1.9 | 170.8 | 8.6 | 77.3 | 985.8 |
| 04/04/2022 | 05:15:00 - 05:30:00 | 3 | 2 | 4 | 4 | 2 | 1.7 | 147.2 | 8.2 | 81.6 | 985.7 |
| 04/04/2022 | 05:30:00 - 05:45:00 | 3 | 2 | 4 | 4 | 2 | 1.6 | 149.6 | 8.2 | 82.9 | 985.4 |
| 04/04/2022 | 05:45:00 - 06:00:00 | 3 | 2 | 4 | 4 | 2 | 2.5 | 141.1 | 8.3 | 82.6 | 985.2 |
| 04/04/2022 | 06:00:00 - 06:15:00 | 3 | 3 | 4 | 4 | 2 | 2.1 | 146.0 | 8.3 | 82.0 | 985.0 |
| 04/04/2022 | 06:15:00 - 06:30:00 | 3 | 3 | 4 | 4 | 2 | 1.9 | 187.9 | 8.4 | 81.0 | 985.3 |
| 04/04/2022 | 06:30:00 - 06:45:00 | 3 | 3 | 4 | 4 | 2 | 2.7 | 181.3 | 8.4 | 81.0 | 985.3 |
| 04/04/2022 | 06:45:00 - 07:00:00 | 3 | 2 | 4 | 4 | 2 | 2.3 | 174.1 | 8.5 | 80.6 | 985.4 |
| 04/04/2022 | 07:00:00 - 07:15:00 | 3 | 3 | 4 | 4 | 2 | 1.9 | 173.9 | 8.6 | 79.7 | 985.4 |
| 04/04/2022 | 07:15:00 - 07:30:00 | 3 | 2 | 4 | 4 | 1 | 3.4 | 191.3 | 9.2 | 74.7 | 985.4 |
| 04/04/2022 | 07:30:00 - 07:45:00 | 3 | 2 | 4 | 3 | 1 | 4.1 | 202.2 | 9.5 | 71.3 | 985.4 |
| 04/04/2022 | 07:45:00 - 08:00:00 | 2 | 5 | 3 | 3 | 1 | 3.3 | 195.8 | 9.7 | 70.9 | 985.4 |
| 04/04/2022 | 08:00:00 - 08:15:00 | 3 | 3 | 3 | 3 | 1 | 4.9 | 200.9 | 9.8 | 70.6 | 985.4 |
| 04/04/2022 | 08:15:00 - 08:30:00 | 3 | 2 | 3 | 3 | 1 | 4.5 | 200.4 | 9.9 | 71.3 | 985.4 |
| 04/04/2022 | 08:30:00 - 08:45:00 | 2 | 2 | 3 | 3 | 1 | 3.7 | 196.7 | 10.2 | 71.4 | 985.3 |
| 04/04/2022 | 08:45:00 - 09:00:00 | 3 | 3 | 3 | 3 | 0 | 3.3 | 217.8 | 10.4 | 71.1 | 985.3 |
| 04/04/2022 | 09:00:00 - 09:15:00 | 2 | 2 | 3 | 3 | 0 | 3.2 | 223.1 | 10.4 | 71.3 | 985.3 |
| 04/04/2022 | 09:15:00 - 09:30:00 | 2 | 3 | 3 | 3 | 0 | 4.9 | 217.0 | 10.8 | 70.6 | 985.3 |
| 04/04/2022 | 09:30:00 - 09:45:00 | 2 | 1 | 3 | 2 | 0 | 5.6 | 239.0 | 11.9 | 68.9 | 985.2 |
| 04/04/2022 | 09:45:00 - 10:00:00 | 3 | 5 | 3 | 3 | 1 | 4.9 | 251.4 | 12.6 | 68.0 | 985.1 |
| 04/04/2022 | 10:00:00 - 10:15:00 | 4 | 5 | 3 | 4 | 2 | 4.9 | 258.6 | 13.2 | 67.5 | 985.0 |
| 04/04/2022 | 10:15:00 - 10:30:00 | 5 | 3 | 5 | 4 | 4 | 8.1 | 267.8 | 13.0 | 68.0 | 985.0 |
| 04/04/2022 | 10:30:00 - 10:45:00 | 10 | 3 | 8 | 5 | 5 | 7.3 | 272.9 | 12.9 | 69.8 | 985.1 |
| 04/04/2022 | 10:45:00 - 11:00:00 | 8 | 4 | 7 | 6 | 6 | 7.1 | 275.9 | 13.2 | 70.3 | 985.1 |
| 04/04/2022 | 11:00:00 - 11:15:00 | 19 | 5 | 12 | 7 | 7 | 6.1 | 271.9 | 13.8 | 69.7 | 985.1 |
| 04/04/2022 | 11:15:00 - 11:30:00 | 11 | 5 | 8 | 7 | 7 | 5.9 | 273.4 | 13.9 | 69.5 | 985.0 |
| 04/04/2022 | 11:30:00 - 11:45:00 | 11 | 5 | 9 | 7 | 7 | 6.5 | 275.8 | 13.9 | 69.1 | 984.9 |
| 04/04/2022 | 11:45:00 - 12:00:00 | 10 | 5 | 7 | 7 | 7 | 6.7 | 276.8 | 14.1 | 68.0 | 985.0 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 04/04/2022 | 12:00:00 - 12:15:00 | 10 | 5 | 8 | 8 | 8 | 5.9 | 283.2 | 14.5 | 66.9 | 985.0 |
| 04/04/2022 | 12:15:00 - 12:30:00 | 12 | 5 | 9 | 7 | 7 | 6.4 | 281.6 | 14.3 | 66.2 | 985.0 |
| 04/04/2022 | 12:30:00 - 12:45:00 | 9 | 3 | 7 | 6 | 5 | 6.1 | 291.2 | 14.4 | 65.6 | 985.0 |
| 04/04/2022 | 12:45:00 - 13:00:00 | 12 | 4 | 8 | 5 | 4 | 7.2 | 281.6 | 14.4 | 63.3 | 985.0 |
| 04/04/2022 | 13:00:00 - 13:15:00 | 13 | 3 | 9 | 5 | 5 | 6.4 | 284.3 | 14.4 | 64.5 | 985.1 |
| 04/04/2022 | 13:15:00 - 13:30:00 | 10 | 3 | 7 | 5 | 5 | 6.6 | 297.7 | 14.0 | 66.2 | 985.1 |
| 04/04/2022 | 13:30:00 - 13:45:00 | 8 | 5 | 6 | 5 | 5 | 6.8 | 291.5 | 13.4 | 67.1 | 985.2 |
| 04/04/2022 | 13:45:00 - 14:00:00 | 7 | 3 | 5 | 5 | 4 | 6.8 | 286.5 | 13.3 | 66.7 | 985.2 |
| 04/04/2022 | 14:00:00 - 14:15:00 | 9 | 3 | 7 | 5 | 3 | 7.2 | 289.2 | 13.2 | 65.3 | 985.1 |
| 04/04/2022 | 14:15:00 - 14:30:00 | 6 | 3 | 5 | 4 | 3 | 7.5 | 293.1 | 12.9 | 63.4 | 985.1 |
| 04/04/2022 | 14:30:00 - 14:45:00 | 7 | 4 | 5 | 5 | 4 | 6.9 | 294.8 | 12.5 | 61.8 | 985.2 |
| 04/04/2022 | 14:45:00 - 15:00:00 | 8 | 4 | 6 | 7 | 6 | 6.8 | 301.6 | 12.2 | 61.5 | 985.2 |
| 04/04/2022 | 15:00:00 - 15:15:00 | 10 | 5 | 7 | 8 | 8 | 6.4 | 309.1 | 12.0 | 63.8 | 985.1 |
| 04/04/2022 | 15:15:00 - 15:30:00 | 10 | 6 | 7 | 7 | 7 | 6.5 | 310.2 | 12.1 | 62.3 | 985.2 |
| 04/04/2022 | 15:30:00 - 15:45:00 | 9 | 4 | 7 | 6 | 7 | 5.9 | 317.2 | 11.9 | 61.8 | 984.9 |
| 04/04/2022 | 15:45:00 - 16:00:00 | 15 | 4 | 12 | 6 | 6 | 6.0 | 297.1 | 12.1 | 59.2 | 984.9 |
| 04/04/2022 | 16:00:00 - 16:15:00 | 8 | 3 | 7 | 5 | 5 | 5.6 | 315.8 | 12.3 | 60.0 | 984.9 |
| 04/04/2022 | 16:15:00 - 16:30:00 | 6 | 2 | 4 | 4 | 4 | 5.3 | 306.1 | 12.2 | 58.7 | 985.1 |
| 04/04/2022 | 16:30:00 - 16:45:00 | 5 | 4 | 4 | 4 | 4 | 5.1 | 308.9 | 12.2 | 59.4 | 985.2 |
| 04/04/2022 | 16:45:00 - 17:00:00 | 6 | 1 | 5 | 4 | 4 | 3.6 | 310.6 | 12.5 | 60.5 | 985.2 |
| 04/04/2022 | 17:00:00 - 17:15:00 | 5 | 1 | 4 | 4 | 4 | 5.2 | 300.2 | 12.3 | 60.5 | 985.2 |
| 04/04/2022 | 17:15:00 - 17:30:00 | 5 | 1 | 4 | 4 | 3 | 4.2 | 302.0 | 11.8 | 61.5 | 985.3 |
| 04/04/2022 | 17:30:00 - 17:45:00 | 4 | 5 | 4 | 4 | 2 | 5.0 | 321.8 | 11.5 | 62.5 | 985.3 |
| 04/04/2022 | 17:45:00 - 18:00:00 | 4 | 2 | 4 | 3 | 2 | 4.2 | 327.5 | 11.6 | 62.4 | 985.3 |
| 04/04/2022 | 18:00:00 - 18:15:00 | 4 | 2 | 3 | 3 | 2 | 5.2 | 355.3 | 11.2 | 65.6 | 985.2 |
| 04/04/2022 | 18:15:00 - 18:30:00 | 4 | 1 | 3 | 4 | 2 | 5.3 | 354.2 | 10.2 | 68.4 | 985.3 |
| 04/04/2022 | 18:30:00 - 18:45:00 | 4 | 1 | 4 | 4 | 2 | 4.9 | 352.6 | 9.5 | 70.4 | 985.4 |
| 04/04/2022 | 18:45:00 - 19:00:00 | 4 | 1 | 3 | 3 | 1 | 4.5 | 352.7 | 8.9 | 72.0 | 985.8 |
| 04/04/2022 | 19:00:00 - 19:15:00 | 4 | 2 | 4 | 4 | 2 | 3.7 | 347.1 | 8.1 | 74.1 | 986.2 |
| 04/04/2022 | 19:15:00 - 19:30:00 | 4 | 2 | 4 | 4 | 2 | 3.6 | 343.5 | 7.7 | 75.9 | 986.2 |
| 04/04/2022 | 19:30:00 - 19:45:00 | 5 | 3 | 5 | 5 | 3 | 3.1 | 359.5 | 7.3 | 77.5 | 986.2 |
| 04/04/2022 | 19:45:00 - 20:00:00 | 5 | 3 | 5 | 5 | 3 | 3.1 | 359.4 | 6.9 | 79.0 | 986.3 |
| 04/04/2022 | 20:00:00 - 20:15:00 | 5 | 3 | 6 | 6 | 4 | 2.7 | 13.3 | 6.6 | 79.1 | 986.3 |
| 04/04/2022 | 20:15:00 - 20:30:00 | 4 | 3 | 5 | 4 | 2 | 2.5 | 26.4 | 6.3 | 80.6 | 986.0 |
| 04/04/2022 | 20:30:00 - 20:45:00 | 4 | 3 | 5 | 4 | 3 | 3.0 | 60.5 | 6.0 | 81.9 | 985.9 |
| 04/04/2022 | 20:45:00 - 21:00:00 | 3 | 2 | 4 | 4 | 2 | 2.7 | 37.6 | 5.7 | 83.3 | 986.0 |
| 04/04/2022 | 21:00:00 - 21:15:00 | 3 | 3 | 4 | 4 | 2 | 2.3 | 69.2 | 5.4 | 84.2 | 986.1 |
| 04/04/2022 | 21:15:00 - 21:30:00 | 3 | 2 | 4 | 4 | 1 | 2.0 | 40.0 | 5.3 | 85.0 | 986.2 |
| 04/04/2022 | 21:30:00 - 21:45:00 | 3 | 3 | 4 | 4 | 1 | 1.6 | 70.4 | 5.1 | 85.2 | 986.3 |
| 04/04/2022 | 21:45:00 - 22:00:00 | 3 | 3 | 4 | 4 | 2 | 1.6 | 63.2 | 5.0 | 86.0 | 986.5 |
| 04/04/2022 | 22:00:00 - 22:15:00 | 3 | 3 | 4 | 4 | 2 | 2.2 | 43.4 | 4.9 | 86.0 | 986.4 |
| 04/04/2022 | 22:15:00 - 22:30:00 | 3 | 3 | 4 | 4 | 2 | 2.3 | 54.8 | 4.8 | 86.0 | 986.2 |
| 04/04/2022 | 22:30:00 - 22:45:00 | 3 | 3 | 4 | 4 | 2 | 2.5 | 68.4 | 4.8 | 86.0 | 986.3 |
| 04/04/2022 | 22:45:00 - 23:00:00 | 3 | 3 | 4 | 4 | 2 | 2.6 | 83.8 | 4.6 | 86.0 | 986.2 |
| 04/04/2022 | 23:00:00 - 23:15:00 | 3 | 3 | 4 | 4 | 2 | 2.0 | 74.8 | 4.6 | 86.0 | 986.3 |
| 04/04/2022 | 23:15:00 - 23:30:00 | 3 | 3 | 5 | 4 | 2 | 2.3 | 92.9 | 4.4 | 86.9 | 986.2 |
| 04/04/2022 | 23:30:00 - 23:45:00 | 3 | 4 | 5 | 5 | 2 | 2.4 | 91.0 | 4.3 | 87.0 | 986.1 |
| 04/05/2022 | 23:45:00 - 00:00:00 | 4 | 4 | 6 | 4 | 2 | 1.7 | 113.9 | 4.1 | 87.2 | 985.9 |
| 04/05/2022 | 00:00:00 - 00:15:00 | 3 | 4 | 5 | 6 | 3 | 2.2 | 113.6 | 4.1 | 87.7 | 985.5 |
| 04/05/2022 | 00:15:00 - 00:30:00 | 5 | 5 | 6 | 6 | 4 | 2.1 | 96.7 | 3.9 | 88.0 | 985.3 |
| 04/05/2022 | 00:30:00 - 00:45:00 | 4 | 5 | 5 | 5 | 3 | 2.8 | 99.3 | 3.9 | 88.0 | 985.2 |
| 04/05/2022 | 00:45:00 - 01:00:00 | 5 | 5 | 6 | 7 | 5 | 3.7 | 94.3 | 3.8 | 88.1 | 985.2 |
| 04/05/2022 | 01:00:00 - 01:15:00 | 8 | 8 | 8 | 10 | 8 | 3.4 | 91.1 | 3.7 | 88.6 | 985.1 |
| 04/05/2022 | 01:15:00 - 01:30:00 | 7 | 7 | 8 | 9 | 7 | 4.8 | 89.0 | 3.7 | 89.0 | 985.0 |
| 04/05/2022 | 01:30:00 - 01:45:00 | 6 | 6 | 7 | 8 | 6 | 4.0 | 92.9 | 3.8 | 89.0 | 984.9 |
| 04/05/2022 | 01:45:00 - 02:00:00 | 6 | 6 | 7 | 8 | 5 | 2.9 | 98.4 | 3.9 | 88.1 | 984.7 |
| 04/05/2022 | 02:00:00 - 02:15:00 | 6 | 6 | 7 | 8 | 5 | 4.4 | 108.1 | 3.9 | 89.0 | 984.4 |
| 04/05/2022 | 02:15:00 - 02:30:00 | 6 | 6 | 7 | 7 | 5 | 3.9 | 129.4 | 3.8 | 89.0 | 984.2 |
| 04/05/2022 | 02:30:00 - 02:45:00 | 6 | 6 | 7 | 7 | 6 | 3.9 | 132.7 | 3.7 | 89.7 | 984.3 |
| 04/05/2022 | 02:45:00 - 03:00:00 | 6 | 6 | 7 | 7 | 6 | 3.1 | 114.0 | 3.4 | 90.5 | 984.2 |
| 04/05/2022 | 03:00:00 - 03:15:00 | 7 | 6 | 8 | 8 | 6 | 3.1 | 125.7 | 3.4 | 91.1 | 984.2 |
| 04/05/2022 | 03:15:00 - 03:30:00 | 8 | 7 | 8 | 9 | 7 | 3.6 | 119.5 | 3.5 | 91.4 | 984.1 |
| 04/05/2022 | 03:30:00 - 03:45:00 | 6 | 6 | 7 | 8 | 6 | 3.9 | 119.1 | 3.5 | 91.0 | 984.0 |
| 04/05/2022 | 03:45:00 - 04:00:00 | 6 | 6 | 7 | 8 | 6 | 3.4 | 118.5 | 3.3 | 91.2 | 983.8 |
| 04/05/2022 | 04:00:00 - 04:15:00 | 6 | 5 | 7 | 7 | 6 | 3.8 | 122.1 | 3.3 | 92.0 | 983.5 |
| 04/05/2022 | 04:15:00 - 04:30:00 | 6 | 6 | 7 | 7 | 6 | 5.3 | 102.6 | 3.2 | 92.0 | 983.0 |
| 04/05/2022 | 04:30:00 - 04:45:00 | 6 | 6 | 7 | 7 | 6 | 6.1 | 104.2 | 3.4 | 91.5 | 982.7 |
| 04/05/2022 | 04:45:00 - 05:00:00 | 6 | 6 | 7 | 7 | 6 | 5.0 | 108.1 | 3.4 | 91.9 | 982.5 |
| 04/05/2022 | 05:00:00 - 05:15:00 | 7 | 6 | 7 | 8 | 6 | 5.5 | 108.1 | 3.3 | 92.0 | 982.4 |
| 04/05/2022 | 05:15:00 - 05:30:00 | 7 | 6 | 8 | 8 | 7 | 6.1 | 106.7 | 3.3 | 92.0 | 982.3 |
| 04/05/2022 | 05:30:00 - 05:45:00 | 7 | 6 | 8 | 8 | 7 | 5.0 | 117.2 | 3.5 | 91.4 | 982.3 |
| 04/05/2022 | 05:45:00 - 06:00:00 | 7 | 6 | 8 | 8 | 6 | 4.4 | 122.7 | 3.3 | 91.5 | 982.2 |
| 04/05/2022 | 06:00:00 - 06:15:00 | 7 | 6 | 8 | 8 | 7 | 6.6 | 98.8 | 3.2 | 91.9 | 981.8 |
| 04/05/2022 | 06:15:00 - 06:30:00 | 8 | 7 | 8 | 9 | 9 | 6.0 | 102.8 | 3.2 | 92.0 | 981.8 |
| 04/05/2022 | 06:30:00 - 06:45:00 | 8 | 7 | 8 | 9 | 7 | 6.4 | 96.3 | 3.2 | 92.0 | 981.9 |
| 04/05/2022 | 06:45:00 - 07:00:00 | 8 | 7 | 9 | 9 | 8 | 6.4 | 99.3 | 3.4 | 91.9 | 981.9 |
| 04/05/2022 | 07:00:00 - 07:15:00 | 8 | 7 | 9 | 12 | 9 | 5.4 | 114.3 | 3.7 | 90.7 | 982.2 |
| 04/05/2022 | 07:15:00 - 07:30:00 | 8 | 7 | 9 | 60 | 8 | 6.3 | 107.4 | 3.9 | 90.0 | 982.1 |
| 04/05/2022 | 07:30:00 - 07:45:00 | 8 | 7 | 8 | 9 | 7 | 6.2 | 110.6 | 4.4 | 88.8 | 982.1 |
| 04/05/2022 | 07:45:00 - 08:00:00 | 8 | 7 | 8 | 9 | 9 | 6.1 | 113.1 | 4.9 | 87.4 | 982.0 |
| 04/05/2022 | 08:00:00 - 08:15:00 | 8 | 6 | 8 | 11 | 8 | 6.3 | 113.1 | 5.0 | 87.0 | 981.8 |
| 04/05/2022 | 08:15:00 - 08:30:00 | 7 | 6 | 8 | 10 | 10 | 5.8 | 114.3 | 5.2 | 87.0 | 981.7 |
| 04/05/2022 | 08:30:00 - 08:45:00 | 8 | 7 | 8 | 13 | 10 | 5.9 | 109.6 | 5.5 | 86.9 | 981.5 |
| 04/05/2022 | 08:45:00 - 09:00:00 | 8 | 6 | 8 | 11 | 10 | 5.1 | 111.2 | 5.9 | 86.8 | 981.4 |
| 04/05/2022 | 09:00:00 - 09:15:00 | 8 | 6 | 8 | 9 | 8 | 4.9 | 108.5 | 6.6 | 86.0 | 981.4 |
| 04/05/2022 | 09:15:00 - 09:30:00 | 8 | 6 | 8 | 8 | 7 | 5.3 | 113.2 | 7.1 | 85.1 | 981.2 |
| 04/05/2022 | 09:30:00 - 09:45:00 | 8 | 7 | 8 | 11 | 12 | 4.3 | 119.6 | 7.8 | 83.9 | 981.0 |
| 04/05/2022 | 09:45:00 - 10:00:00 | 9 | 6 | 8 | 13 | 13 | 5.0 | 113.1 | 8.1 | 83.2 | 980.8 |
| 04/05/2022 | 10:00:00 - 10:15:00 | 9 | 6 | 8 | 11 | 14 | 5.8 | 107.8 | 8.2 | 84.1 | 980.5 |
| 04/05/2022 | 10:15:00 - 10:30:00 | 10 | 7 | 9 | 10 | 13 | 4.4 | 135.9 | 8.8 | 83.6 | 980.5 |
| 04/05/2022 | 10:30:00 - 10:45:00 | 10 | 7 | 9 | 10 | 14 | 4.1 | 138.6 | 9.2 | 82.8 | 980.4 |
| 04/05/2022 | 10:45:00 - 11:00:00 | 9 | 7 | 8 | 9 | 11 | 4.4 | 131.1 | 9.4 | 82.9 | 980.3 |
| 04/05/2022 | 11:00:00 - 11:15:00 | 10 | 7 | 9 | 10 | 13 | 3.9 | 140.7 | 9.7 | 82.4 | 980.4 |
| 04/05/2022 | 11:15:00 - 11:30:00 | 10 | 7 | 9 | 10 | 10 | 3.1 | 137.4 | 9.9 | 82.3 | 980.3 |
| 04/05/2022 | 11:30:00 - 11:45:00 | 10 | 7 | 9 | 10 | 10 | 2.9 | 119.8 | 9.9 | 83.6 | 980.1 |
| 04/05/2022 | 11:45:00 - 12:00:00 | 10 | 8 | 9 | 11 | 10 | 2.2 | 129.3 | 9.8 | 86.5 | 980.0 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 04/05/2022 | 12:00:00 - 12:15:00 | 11 | 9 | 10 | 11 | 11 | 3.2 | 123.6 | 9.5 | 88.8 | 979.7 |
| 04/05/2022 | 12:15:00 - 12:30:00 | 12 | 9 | 10 | 12 | 11 | 3.3 | 119.0 | 9.4 | 91.0 | 979.5 |
| 04/05/2022 | 12:30:00 - 12:45:00 | 12 | 9 | 10 | 12 | 11 | 3.5 | 113.9 | 9.2 | 92.6 | 979.3 |
| 04/05/2022 | 12:45:00 - 13:00:00 | 12 | 9 | 10 | 13 | 11 | 5.1 | 120.1 | 9.0 | 94.5 | 979.2 |
| 04/05/2022 | 13:00:00 - 13:15:00 | 12 | 9 | 10 | 11 | 11 | 5.3 | 106.9 | 8.8 | 95.9 | 979.0 |
| 04/05/2022 | 13:15:00 - 13:30:00 | 11 | 8 | 10 | 11 | 10 | 6.5 | 106.7 | 8.9 | 95.4 | 978.8 |
| 04/05/2022 | 13:30:00 - 13:45:00 | 11 | 8 | 10 | 12 | 10 | 3.7 | 104.2 | 8.9 | 96.0 | 978.7 |
| 04/05/2022 | 13:45:00 - 14:00:00 | 11 | 8 | 10 | 11 | 10 | 4.3 | 98.1 | 9.0 | 96.1 | 978.4 |
| 04/05/2022 | 14:00:00 - 14:15:00 | 12 | 9 | 10 | 12 | 11 | 3.0 | 73.1 | 9.1 | 96.4 | 978.2 |
| 04/05/2022 | 14:15:00 - 14:30:00 | 12 | 9 | 10 | 13 | 11 | 3.4 | 85.5 | 9.0 | 97.0 | 978.1 |
| 04/05/2022 | 14:30:00 - 14:45:00 | 13 | 10 | 11 | 14 | 12 | 5.6 | 100.5 | 9.0 | 97.1 | 977.7 |
| 04/05/2022 | 14:45:00 - 15:00:00 | 13 | 10 | 11 | 13 | 12 | 6.3 | 97.0 | 9.0 | 97.7 | 977.0 |
| 04/05/2022 | 15:00:00 - 15:15:00 | 12 | 9 | 10 | 13 | 11 | 6.1 | 91.4 | 9.5 | 97.7 | 976.9 |
| 04/05/2022 | 15:15:00 - 15:30:00 | 12 | 9 | 10 | 12 | 11 | 7.9 | 98.7 | 9.8 | 97.2 | 976.5 |
| 04/05/2022 | 15:30:00 - 15:45:00 | 10 | 8 | 9 | 12 | 10 | 7.4 | 99.5 | 10.2 | 96.3 | 976.3 |
| 04/05/2022 | 15:45:00 - 16:00:00 | 9 | 6 | 8 | 9 | 8 | 7.5 | 99.6 | 10.3 | 95.0 | 976.2 |
| 04/05/2022 | 16:00:00 - 16:15:00 | 10 | 7 | 9 | 10 | 9 | 6.4 | 99.8 | 10.5 | 94.6 | 976.0 |
| 04/05/2022 | 16:15:00 - 16:30:00 | 10 | 7 | 9 | 11 | 10 | 6.0 | 108.3 | 10.8 | 93.4 | 976.2 |
| 04/05/2022 | 16:30:00 - 16:45:00 | 11 | 7 | 9 | 10 | 10 | 6.1 | 108.0 | 10.8 | 94.3 | 976.4 |
| 04/05/2022 | 16:45:00 - 17:00:00 | 11 | 8 | 9 | 11 | 10 | 4.6 | 112.2 | 10.9 | 94.9 | 976.4 |
| 04/05/2022 | 17:00:00 - 17:15:00 | 11 | 7 | 9 | 10 | 9 | 4.7 | 109.2 | 11.0 | 95.0 | 976.4 |
| 04/05/2022 | 17:15:00 - 17:30:00 | 9 | 6 | 8 | 9 | 8 | 3.9 | 117.6 | 11.2 | 95.1 | 976.3 |
| 04/05/2022 | 17:30:00 - 17:45:00 | 8 | 6 | 7 | 9 | 7 | 3.9 | 135.9 | 11.3 | 95.0 | 976.3 |
| 04/05/2022 | 17:45:00 - 18:00:00 | 8 | 5 | 7 | 9 | 7 | 3.5 | 124.3 | 11.4 | 95.7 | 976.1 |
| 04/05/2022 | 18:00:00 - 18:15:00 | 8 | 6 | 7 | 9 | 7 | 3.3 | 125.9 | 11.5 | 95.9 | 975.9 |
| 04/05/2022 | 18:15:00 - 18:30:00 | 8 | 6 | 7 | 9 | 8 | 3.5 | 119.2 | 11.5 | 96.0 | 975.8 |
| 04/05/2022 | 18:30:00 - 18:45:00 | 8 | 5 | 7 | 9 | 7 | 2.7 | 129.4 | 11.4 | 96.0 | 975.8 |
| 04/05/2022 | 18:45:00 - 19:00:00 | 8 | 5 | 7 | 8 | 7 | 3.1 | 134.1 | 11.4 | 96.7 | 975.7 |
| 04/05/2022 | 19:00:00 - 19:15:00 | 8 | 5 | 7 | 8 | 7 | 3.1 | 138.3 | 11.4 | 97.0 | 975.7 |
| 04/05/2022 | 19:15:00 - 19:30:00 | 8 | 5 | 7 | 8 | 7 | 3.5 | 134.7 | 11.4 | 97.0 | 975.7 |
| 04/05/2022 | 19:30:00 - 19:45:00 | 8 | 5 | 7 | 8 | 7 | 3.5 | 127.5 | 11.4 | 97.0 | 975.6 |
| 04/05/2022 | 19:45:00 - 20:00:00 | 8 | 6 | 7 | 8 | 7 | 3.6 | 131.2 | 11.3 | 97.0 | 975.5 |
| 04/05/2022 | 20:00:00 - 20:15:00 | 8 | 6 | 8 | 9 | 7 | 3.8 | 135.8 | 11.3 | 97.0 | 975.7 |
| 04/05/2022 | 20:15:00 - 20:30:00 | 9 | 7 | 8 | 9 | 8 | 3.5 | 132.7 | 11.3 | 97.0 | 975.7 |
| 04/05/2022 | 20:30:00 - 20:45:00 | 10 | 7 | 9 | 10 | 9 | 4.2 | 129.0 | 11.2 | 97.5 | 975.8 |
| 04/05/2022 | 20:45:00 - 21:00:00 | 11 | 7 | 9 | 11 | 10 | 4.0 | 135.7 | 11.0 | 98.0 | 975.8 |
| 04/05/2022 | 21:00:00 - 21:15:00 | 11 | 8 | 10 | 11 | 10 | 3.7 | 129.1 | 10.9 | 98.0 | 975.9 |
| 04/05/2022 | 21:15:00 - 21:30:00 | 12 | 8 | 10 | 12 | 10 | 4.0 | 129.3 | 10.8 | 98.5 | 976.0 |
| 04/05/2022 | 21:30:00 - 21:45:00 | 12 | 9 | 11 | 13 | 11 | 3.7 | 131.0 | 10.6 | 99.0 | 975.9 |
| 04/05/2022 | 21:45:00 - 22:00:00 | 13 | 9 | 11 | 13 | 12 | 3.9 | 135.5 | 10.6 | 99.0 | 975.9 |
| 04/05/2022 | 22:00:00 - 22:15:00 | 14 | 10 | 12 | 14 | 12 | 4.8 | 138.8 | 10.7 | 99.0 | 975.5 |
| 04/05/2022 | 22:15:00 - 22:30:00 | 14 | 11 | 12 | 15 | 13 | 4.7 | 149.6 | 10.8 | 99.0 | 975.5 |
| 04/05/2022 | 22:30:00 - 22:45:00 | 15 | 11 | 13 | 15 | 14 | 5.5 | 144.4 | 11.1 | 99.0 | 974.7 |
| 04/05/2022 | 22:45:00 - 23:00:00 | 14 | 11 | 12 | 15 | 13 | 5.8 | 142.7 | 11.3 | 98.2 | 974.4 |
| 04/05/2022 | 23:00:00 - 23:15:00 | 14 | 10 | 12 | 13 | 12 | 5.6 | 138.2 | 11.3 | 97.6 | 973.4 |
| 04/05/2022 | 23:15:00 - 23:30:00 | 13 | 9 | 11 | 13 | 12 | 3.7 | 159.4 | 11.4 | 97.2 | 974.3 |
| 04/05/2022 | 23:30:00 - 23:45:00 | 12 | 9 | 10 | 12 | 11 | 2.9 | 182.1 | 11.9 | 96.3 | 975.6 |
| 04/06/2022 | 23:45:00 - 00:00:00 | 13 | 9 | 11 | 13 | 12 | 3.5 | 161.4 | 12.0 | 95.0 | 975.3 |
| 04/06/2022 | 00:00:00 - 00:15:00 | 12 | 9 | 10 | 11 | 11 | 3.0 | 164.2 | 12.0 | 95.0 | 975.1 |
| 04/06/2022 | 00:15:00 - 00:30:00 | 10 | 7 | 9 | 10 | 10 | 4.0 | 157.7 | 12.1 | 94.1 | 974.8 |
| 04/06/2022 | 00:30:00 - 00:45:00 | 9 | 6 | 8 | 9 | 9 | 3.1 | 161.7 | 12.2 | 93.9 | 974.7 |
| 04/06/2022 | 00:45:00 - 01:00:00 | 9 | 6 | 8 | 8 | 8 | 3.2 | 168.0 | 12.2 | 93.0 | 974.4 |
| 04/06/2022 | 01:00:00 - 01:15:00 | 9 | 6 | 8 | 8 | 8 | 3.3 | 156.4 | 12.1 | 93.6 | 974.1 |
| 04/06/2022 | 01:15:00 - 01:30:00 | 9 | 6 | 8 | 9 | 9 | 3.4 | 159.0 | 12.0 | 94.0 | 974.1 |
| 04/06/2022 | 01:30:00 - 01:45:00 | 10 | 7 | 9 | 10 | 10 | 2.4 | 171.3 | 11.8 | 94.7 | 974.0 |
| 04/06/2022 | 01:45:00 - 02:00:00 | 11 | 8 | 10 | 11 | 11 | 3.6 | 164.6 | 11.8 | 95.0 | 974.0 |
| 04/06/2022 | 02:00:00 - 02:15:00 | 13 | 9 | 11 | 12 | 12 | 3.5 | 166.7 | 11.8 | 95.0 | 973.7 |
| 04/06/2022 | 02:15:00 - 02:30:00 | 13 | 10 | 11 | 12 | 13 | 3.8 | 171.4 | 12.0 | 94.2 | 973.9 |
| 04/06/2022 | 02:30:00 - 02:45:00 | 14 | 10 | 12 | 13 | 13 | 3.3 | 168.7 | 12.0 | 94.0 | 973.8 |
| 04/06/2022 | 02:45:00 - 03:00:00 | 15 | 11 | 12 | 14 | 15 | 2.4 | 178.2 | 11.8 | 94.9 | 973.7 |
| 04/06/2022 | 03:00:00 - 03:15:00 | 16 | 12 | 13 | 16 | 16 | 3.8 | 191.4 | 11.4 | 96.6 | 973.8 |
| 04/06/2022 | 03:15:00 - 03:30:00 | 17 | 12 | 13 | 15 | 16 | 3.9 | 203.3 | 11.0 | 98.7 | 974.0 |
| 04/06/2022 | 03:30:00 - 03:45:00 | 15 | 11 | 12 | 14 | 14 | 5.8 | 212.4 | 11.1 | 99.8 | 974.6 |
| 04/06/2022 | 03:45:00 - 04:00:00 | 5 | 3 | 5 | 5 | 4 | 6.2 | 273.4 | 10.7 | 98.9 | 975.0 |
| 04/06/2022 | 04:00:00 - 04:15:00 | 1 | 0 | 2 | 1 | 0 | 7.6 | 291.8 | 9.9 | 98.0 | 975.2 |
| 04/06/2022 | 04:15:00 - 04:30:00 | 1 | 0 | 2 | 1 | 0 | 7.7 | 302.9 | 9.8 | 97.4 | 975.3 |
| 04/06/2022 | 04:30:00 - 04:45:00 | 1 | 0 | 2 | 1 | 0 | 8.1 | 323.0 | 9.7 | 95.6 | 974.8 |
| 04/06/2022 | 04:45:00 - 05:00:00 | 1 | 0 | 2 | 1 | 0 | 8.0 | 334.8 | 9.6 | 94.5 | 974.5 |
| 04/06/2022 | 05:00:00 - 05:15:00 | 1 | 0 | 2 | 1 | 0 | 5.3 | 307.1 | 9.5 | 93.5 | 975.0 |
| 04/06/2022 | 05:15:00 - 05:30:00 | 1 | 0 | 2 | 1 | 0 | 4.7 | 313.1 | 9.4 | 93.7 | 974.8 |
| 04/06/2022 | 05:30:00 - 05:45:00 | 1 | 0 | 2 | 1 | 0 | 5.4 | 307.8 | 9.2 | 92.5 | 975.2 |
| 04/06/2022 | 05:45:00 - 06:00:00 | 1 | 0 | 2 | 2 | 0 | 6.5 | 294.6 | 9.0 | 94.7 | 976.5 |
| 04/06/2022 | 06:00:00 - 06:15:00 | 1 | 0 | 2 | 2 | 0 | 7.0 | 285.3 | 8.3 | 96.7 | 977.8 |
| 04/06/2022 | 06:15:00 - 06:30:00 | 1 | 0 | 2 | 1 | 0 | 4.6 | 282.9 | 7.7 | 97.4 | 976.9 |
| 04/06/2022 | 06:30:00 - 06:45:00 | 1 | 0 | 2 | 1 | 0 | 4.7 | 288.9 | 7.3 | 98.1 | 976.7 |
| 04/06/2022 | 06:45:00 - 07:00:00 | 1 | 0 | 2 | 1 | 0 | 5.4 | 286.7 | 6.9 | 98.3 | 976.6 |
| 04/06/2022 | 07:00:00 - 07:15:00 | 1 | 0 | 2 | 1 | 0 | 4.8 | 282.0 | 6.8 | 98.3 | 977.0 |
| 04/06/2022 | 07:15:00 - 07:30:00 | 1 | 0 | 2 | 1 | 0 | 5.0 | 279.4 | 6.7 | 98.0 | 977.3 |
| 04/06/2022 | 07:30:00 - 07:45:00 | 1 | 1 | 2 | 1 | 0 | 4.1 | 269.9 | 6.6 | 98.0 | 977.1 |
| 04/06/2022 | 07:45:00 - 08:00:00 | 1 | 0 | 3 | 2 | 0 | 3.0 | 265.3 | 6.6 | 98.1 | 976.9 |
| 04/06/2022 | 08:00:00 - 08:15:00 | 1 | 0 | 3 | 2 | 0 | 2.6 | 247.4 | 6.7 | 98.8 | 976.7 |
| 04/06/2022 | 08:15:00 - 08:30:00 | 1 | 0 | 2 | 2 | 0 | 2.4 | 260.0 | 6.8 | 99.0 | 976.8 |
| 04/06/2022 | 08:30:00 - 08:45:00 | 1 | 0 | 2 | 2 | 0 | 2.1 | 230.3 | 6.7 | 98.7 | 976.1 |
| 04/06/2022 | 08:45:00 - 09:00:00 | 1 | 0 | 2 | 1 | 0 | 3.4 | 230.7 | 6.6 | 98.4 | 976.4 |
| 04/06/2022 | 09:00:00 - 09:15:00 | 1 | 0 | 2 | 1 | 0 | 3.5 | 213.4 | 6.6 | 98.1 | 976.7 |
| 04/06/2022 | 09:15:00 - 09:30:00 | 1 | 0 | 2 | 1 | 0 | 3.8 | 214.9 | 6.7 | 98.2 | 976.9 |
| 04/06/2022 | 09:30:00 - 09:45:00 | 1 | 0 | 2 | 1 | 0 | 5.0 | 263.9 | 6.8 | 98.0 | 976.9 |
| 04/06/2022 | 09:45:00 - 10:00:00 | 2 | 1 | 3 | 2 | 0 | 5.2 | 260.4 | 7.0 | 97.1 | 977.4 |
| 04/06/2022 | 10:00:00 - 10:15:00 | 4 | 1 | 4 | 3 | 0 | 4.8 | 256.6 | 7.1 | 96.3 | 977.5 |
| 04/06/2022 | 10:15:00 - 10:30:00 | 4 | 2 | 4 | 4 | 1 | 6.2 | 258.9 | 7.2 | 95.1 | 977.5 |
| 04/06/2022 | 10:30:00 - 10:45:00 | 4 | 3 | 4 | 4 | 1 | 4.8 | 250.3 | 7.6 | 93.8 | 977.4 |
| 04/06/2022 | 10:45:00 - 11:00:00 | 4 | 3 | 4 | 4 | 1 | 5.9 | 263.6 | 8.1 | 91.7 | 977.3 |
| 04/06/2022 | 11:00:00 - 11:15:00 | 5 | 4 | 5 | 4 | 2 | 5.1 | 252.3 | 9.1 | 88.1 | 977.3 |
| 04/06/2022 | 11:15:00 - 11:30:00 | 4 | 2 | 4 | 4 | 2 | 4.9 | 247.5 | 9.6 | 85.3 | 977.2 |
| 04/06/2022 | 11:30:00 - 11:45:00 | 3 | 1 | 3 | 3 | 2 | 5.7 | 260.5 | 10.0 | 82.9 | 977.2 |
| 04/06/2022 | 11:45:00 - 12:00:00 | 3 | 1 | 3 | 3 | 2 | 6.6 | 255.7 | 10.3 | 80.2 | 977.1 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 04/06/2022 | 12:00:00 - 12:15:00 | 2 | 0 | 3 | 3 | 1 | 5.3 | 241.7 | 10.6 | 79.1 | 976.9 |
| 04/06/2022 | 12:15:00 - 12:30:00 | 3 | 0 | 3 | 3 | 2 | 6.4 | 248.8 | 11.2 | 76.6 | 976.9 |
| 04/06/2022 | 12:30:00 - 12:45:00 | 2 | 0 | 2 | 2 | 1 | 6.2 | 253.5 | 11.5 | 74.6 | 976.7 |
| 04/06/2022 | 12:45:00 - 13:00:00 | 2 | 0 | 2 | 2 | 1 | 5.3 | 251.2 | 11.9 | 72.3 | 976.5 |
| 04/06/2022 | 13:00:00 - 13:15:00 | 5 | 0 | 4 | 3 | 1 | 6.2 | 254.6 | 12.2 | 69.1 | 976.4 |
| 04/06/2022 | 13:15:00 - 13:30:00 | 3 | 0 | 3 | 2 | 1 | 6.4 | 253.4 | 12.5 | 66.5 | 976.4 |
| 04/06/2022 | 13:30:00 - 13:45:00 | 3 | 0 | 2 | 2 | 1 | 5.5 | 260.7 | 12.9 | 64.8 | 976.3 |
| 04/06/2022 | 13:45:00 - 14:00:00 | 3 | 0 | 2 | 2 | 1 | 8.2 | 267.6 | 13.0 | 61.3 | 976.3 |
| 04/06/2022 | 14:00:00 - 14:15:00 | 2 | 0 | 2 | 2 | 1 | 6.0 | 259.0 | 13.5 | 60.1 | 976.1 |
| 04/06/2022 | 14:15:00 - 14:30:00 | 3 | 0 | 2 | 2 | 1 | 6.5 | 256.6 | 14.1 | 57.1 | 976.1 |
| 04/06/2022 | 14:30:00 - 14:45:00 | 3 | 0 | 3 | 2 | 0 | 5.7 | 254.2 | 14.1 | 57.4 | 976.1 |
| 04/06/2022 | 14:45:00 - 15:00:00 | 3 | 0 | 3 | 2 | 0 | 8.2 | 259.5 | 14.5 | 54.3 | 976.1 |
| 04/06/2022 | 15:00:00 - 15:15:00 | 3 | 0 | 2 | 2 | 0 | 7.5 | 260.3 | 13.9 | 55.3 | 976.1 |
| 04/06/2022 | 15:15:00 - 15:30:00 | 3 | 0 | 2 | 2 | 1 | 9.0 | 270.2 | 13.7 | 51.7 | 976.0 |
| 04/06/2022 | 15:30:00 - 15:45:00 | 4 | 0 | 3 | 3 | 1 | 8.9 | 265.0 | 13.9 | 51.9 | 976.0 |
| 04/06/2022 | 15:45:00 - 16:00:00 | 3 | 0 | 3 | 3 | 1 | 8.8 | 269.8 | 14.5 | 49.7 | 976.1 |
| 04/06/2022 | 16:00:00 - 16:15:00 | 4 | 0 | 3 | 3 | 1 | 8.8 | 266.9 | 14.3 | 50.0 | 976.1 |
| 04/06/2022 | 16:15:00 - 16:30:00 | 3 | 0 | 2 | 3 | 1 | 7.9 | 267.0 | 14.0 | 50.9 | 976.2 |
| 04/06/2022 | 16:30:00 - 16:45:00 | 3 | 0 | 3 | 3 | 1 | 6.8 | 270.9 | 13.8 | 51.2 | 976.4 |
| 04/06/2022 | 16:45:00 - 17:00:00 | 4 | 0 | 3 | 3 | 1 | 6.5 | 269.9 | 13.8 | 52.4 | 976.5 |
| 04/06/2022 | 17:00:00 - 17:15:00 | 4 | 0 | 3 | 3 | 1 | 6.3 | 262.7 | 13.8 | 52.0 | 976.6 |
| 04/06/2022 | 17:15:00 - 17:30:00 | 3 | 0 | 3 | 3 | 1 | 6.2 | 266.8 | 13.5 | 53.5 | 976.7 |
| 04/06/2022 | 17:30:00 - 17:45:00 | 3 | 0 | 3 | 3 | 1 | 6.3 | 269.3 | 13.4 | 54.6 | 976.9 |
| 04/06/2022 | 17:45:00 - 18:00:00 | 3 | 0 | 3 | 3 | 1 | 7.0 | 269.0 | 13.1 | 55.4 | 977.0 |
| 04/06/2022 | 18:00:00 - 18:15:00 | 3 | 0 | 3 | 3 | 1 | 7.9 | 284.1 | 12.9 | 55.6 | 977.4 |
| 04/06/2022 | 18:15:00 - 18:30:00 | 3 | 0 | 3 | 3 | 1 | 6.7 | 282.3 | 12.6 | 56.8 | 977.6 |
| 04/06/2022 | 18:30:00 - 18:45:00 | 3 | 0 | 3 | 3 | 1 | 5.8 | 278.3 | 12.3 | 57.8 | 977.7 |
| 04/06/2022 | 18:45:00 - 19:00:00 | 3 | 0 | 3 | 3 | 1 | 5.6 | 282.5 | 12.1 | 59.9 | 977.9 |
| 04/06/2022 | 19:00:00 - 19:15:00 | 3 | 0 | 3 | 3 | 0 | 4.7 | 284.8 | 11.9 | 61.6 | 978.0 |
| 04/06/2022 | 19:15:00 - 19:30:00 | 3 | 0 | 2 | 3 | 0 | 4.7 | 289.9 | 11.7 | 61.9 | 978.1 |
| 04/06/2022 | 19:30:00 - 19:45:00 | 3 | 0 | 2 | 2 | 0 | 4.9 | 286.6 | 11.6 | 60.5 | 978.2 |
| 04/06/2022 | 19:45:00 - 20:00:00 | 2 | 0 | 2 | 2 | 0 | 4.7 | 286.4 | 11.5 | 61.0 | 978.4 |
| 04/06/2022 | 20:00:00 - 20:15:00 | 2 | 0 | 2 | 2 | 0 | 5.4 | 284.8 | 11.3 | 61.0 | 978.5 |
| 04/06/2022 | 20:15:00 - 20:30:00 | 2 | 0 | 3 | 2 | 0 | 4.4 | 284.5 | 11.2 | 59.8 | 978.6 |
| 04/06/2022 | 20:30:00 - 20:45:00 | 2 | 0 | 3 | 2 | 0 | 4.7 | 274.7 | 10.9 | 60.3 | 978.7 |
| 04/06/2022 | 20:45:00 - 21:00:00 | 3 | 0 | 3 | 2 | 0 | 3.4 | 272.3 | 10.8 | 62.5 | 978.8 |
| 04/06/2022 | 21:00:00 - 21:15:00 | 3 | 0 | 3 | 2 | 0 | 4.3 | 273.8 | 10.7 | 63.3 | 978.8 |
| 04/06/2022 | 21:15:00 - 21:30:00 | 3 | 1 | 3 | 3 | 0 | 5.0 | 275.5 | 10.6 | 63.0 | 979.0 |
| 04/06/2022 | 21:30:00 - 21:45:00 | 3 | 1 | 3 | 2 | 0 | 3.5 | 281.9 | 10.4 | 64.1 | 978.9 |
| 04/06/2022 | 21:45:00 - 22:00:00 | 3 | 0 | 3 | 2 | 1 | 3.9 | 283.9 | 10.2 | 65.6 | 978.9 |
| 04/06/2022 | 22:00:00 - 22:15:00 | 3 | 1 | 3 | 3 | 0 | 4.2 | 273.2 | 10.0 | 67.0 | 979.0 |
| 04/06/2022 | 22:15:00 - 22:30:00 | 2 | 0 | 3 | 2 | 0 | 5.4 | 281.4 | 9.8 | 66.8 | 979.0 |
| 04/06/2022 | 22:30:00 - 22:45:00 | 2 | 0 | 2 | 2 | 0 | 7.1 | 280.9 | 9.5 | 66.7 | 978.9 |
| 04/06/2022 | 22:45:00 - 23:00:00 | 2 | 0 | 2 | 2 | 0 | 6.8 | 282.6 | 9.4 | 66.3 | 978.9 |
| 04/06/2022 | 23:00:00 - 23:15:00 | 2 | 0 | 2 | 2 | 0 | 6.8 | 284.2 | 9.1 | 67.4 | 978.8 |
| 04/06/2022 | 23:15:00 - 23:30:00 | 2 | 0 | 2 | 2 | 0 | 5.3 | 282.2 | 8.7 | 68.4 | 979.0 |
| 04/06/2022 | 23:30:00 - 23:45:00 | 1 | 0 | 2 | 1 | 0 | 6.8 | 281.7 | 8.4 | 68.5 | 979.1 |
| 04/07/2022 | 23:45:00 - 00:00:00 | 1 | 0 | 2 | 1 | 0 | 6.8 | 282.1 | 7.9 | 69.6 | 979.1 |
| 04/07/2022 | 00:00:00 - 00:15:00 | 1 | 0 | 2 | 1 | 0 | 5.7 | 285.1 | 7.4 | 70.8 | 979.2 |
| 04/07/2022 | 00:15:00 - 00:30:00 | 1 | 0 | 2 | 1 | 0 | 6.1 | 275.7 | 7.0 | 72.1 | 979.2 |
| 04/07/2022 | 00:30:00 - 00:45:00 | 1 | 0 | 2 | 1 | 0 | 5.8 | 273.5 | 6.7 | 70.2 | 979.2 |
| 04/07/2022 | 00:45:00 - 01:00:00 | 1 | 0 | 2 | 1 | 0 | 5.1 | 276.5 | 6.5 | 71.4 | 979.2 |
| 04/07/2022 | 01:00:00 - 01:15:00 | 1 | 1 | 2 | 1 | 0 | 5.0 | 282.8 | 6.4 | 71.9 | 979.2 |
| 04/07/2022 | 01:15:00 - 01:30:00 | 1 | 0 | 2 | 1 | 0 | 5.3 | 278.6 | 6.4 | 72.2 | 979.2 |
| 04/07/2022 | 01:30:00 - 01:45:00 | 1 | 0 | 2 | 1 | 0 | 6.0 | 280.2 | 6.5 | 72.3 | 979.1 |
| 04/07/2022 | 01:45:00 - 02:00:00 | 1 | 0 | 2 | 1 | 0 | 5.2 | 270.3 | 6.4 | 73.1 | 978.9 |
| 04/07/2022 | 02:00:00 - 02:15:00 | 1 | 0 | 2 | 1 | 0 | 6.2 | 272.2 | 6.4 | 73.5 | 978.9 |
| 04/07/2022 | 02:15:00 - 02:30:00 | 1 | 1 | 2 | 1 | 0 | 6.1 | 285.8 | 6.1 | 74.8 | 979.0 |
| 04/07/2022 | 02:30:00 - 02:45:00 | 1 | 1 | 3 | 2 | 0 | 7.2 | 277.5 | 5.5 | 79.3 | 979.0 |
| 04/07/2022 | 02:45:00 - 03:00:00 | 1 | 1 | 3 | 2 | 0 | 6.2 | 275.9 | 4.9 | 83.2 | 978.9 |
| 04/07/2022 | 03:00:00 - 03:15:00 | 2 | 1 | 3 | 2 | 0 | 6.4 | 270.1 | 5.0 | 82.7 | 978.8 |
| 04/07/2022 | 03:15:00 - 03:30:00 | 2 | 1 | 3 | 2 | 0 | 6.6 | 269.4 | 5.1 | 81.4 | 978.7 |
| 04/07/2022 | 03:30:00 - 03:45:00 | 2 | 1 | 3 | 2 | 0 | 6.6 | 274.4 | 5.3 | 80.0 | 978.6 |
| 04/07/2022 | 03:45:00 - 04:00:00 | 2 | 1 | 3 | 2 | 0 | 5.7 | 267.7 | 5.3 | 79.9 | 978.5 |
| 04/07/2022 | 04:00:00 - 04:15:00 | 2 | 1 | 3 | 2 | 0 | 6.1 | 263.5 | 5.3 | 80.5 | 978.4 |
| 04/07/2022 | 04:15:00 - 04:30:00 | 2 | 1 | 3 | 2 | 0 | 5.7 | 265.8 | 5.3 | 80.3 | 978.4 |
| 04/07/2022 | 04:30:00 - 04:45:00 | 2 | 1 | 3 | 2 | 0 | 4.5 | 256.7 | 5.3 | 80.0 | 978.3 |
| 04/07/2022 | 04:45:00 - 05:00:00 | 2 | 1 | 3 | 2 | 0 | 5.0 | 260.7 | 5.2 | 80.3 | 978.4 |
| 04/07/2022 | 05:00:00 - 05:15:00 | 2 | 1 | 3 | 2 | 0 | 5.7 | 260.7 | 4.8 | 81.5 | 978.2 |
| 04/07/2022 | 05:15:00 - 05:30:00 | 2 | 1 | 3 | 2 | 0 | 5.3 | 264.8 | 4.5 | 82.5 | 978.2 |
| 04/07/2022 | 05:30:00 - 05:45:00 | 2 | 1 | 3 | 2 | 0 | 4.8 | 258.8 | 4.6 | 82.0 | 978.1 |
| 04/07/2022 | 05:45:00 - 06:00:00 | 2 | 1 | 3 | 2 | 0 | 3.8 | 254.9 | 4.6 | 81.3 | 978.1 |
| 04/07/2022 | 06:00:00 - 06:15:00 | 2 | 2 | 3 | 2 | 0 | 4.9 | 256.7 | 4.4 | 81.0 | 978.0 |
| 04/07/2022 | 06:15:00 - 06:30:00 | 4 | 2 | 5 | 2 | 0 | 3.2 | 221.8 | 4.4 | 81.2 | 978.0 |
| 04/07/2022 | 06:30:00 - 06:45:00 | 2 | 2 | 4 | 3 | 0 | 3.7 | 221.4 | 4.0 | 83.6 | 978.1 |
| 04/07/2022 | 06:45:00 - 07:00:00 | 3 | 2 | 5 | 3 | 0 | 3.4 | 228.5 | 4.0 | 85.2 | 978.1 |
| 04/07/2022 | 07:00:00 - 07:15:00 | 2 | 2 | 4 | 3 | 1 | 3.3 | 223.0 | 4.3 | 84.1 | 978.1 |
| 04/07/2022 | 07:15:00 - 07:30:00 | 2 | 2 | 4 | 3 | 0 | 3.9 | 236.2 | 4.3 | 83.5 | 978.1 |
| 04/07/2022 | 07:30:00 - 07:45:00 | 2 | 2 | 4 | 3 | 0 | 4.6 | 247.8 | 4.6 | 81.7 | 978.1 |
| 04/07/2022 | 07:45:00 - 08:00:00 | 3 | 2 | 4 | 3 | 0 | 4.7 | 251.4 | 4.9 | 79.5 | 978.1 |
| 04/07/2022 | 08:00:00 - 08:15:00 | 4 | 2 | 4 | 2 | 0 | 5.2 | 258.2 | 5.2 | 75.7 | 978.0 |
| 04/07/2022 | 08:15:00 - 08:30:00 | 2 | 2 | 3 | 2 | 0 | 5.8 | 259.5 | 5.8 | 72.4 | 978.0 |
| 04/07/2022 | 08:30:00 - 08:45:00 | 3 | 1 | 4 | 2 | 0 | 7.3 | 270.9 | 6.4 | 67.4 | 977.9 |
| 04/07/2022 | 08:45:00 - 09:00:00 | 3 | 1 | 4 | 2 | 0 | 7.4 | 265.3 | 6.6 | 64.7 | 977.9 |
| 04/07/2022 | 09:00:00 - 09:15:00 | 4 | 1 | 4 | 2 | 0 | 9.7 | 272.3 | 6.6 | 62.4 | 977.9 |
| 04/07/2022 | 09:15:00 - 09:30:00 | 2 | 1 | 3 | 2 | 0 | 7.9 | 268.7 | 6.8 | 62.3 | 977.8 |
| 04/07/2022 | 09:30:00 - 09:45:00 | 10 | 0 | 4 | 2 | 0 | 8.9 | 271.7 | 6.5 | 60.9 | 977.8 |
| 04/07/2022 | 09:45:00 - 10:00:00 | 6 | 0 | 5 | 2 | 0 | 9.0 | 269.7 | 6.5 | 61.0 | 977.9 |
| 04/07/2022 | 10:00:00 - 10:15:00 | 4 | 0 | 4 | 2 | 0 | 8.3 | 281.0 | 6.8 | 58.6 | 978.0 |
| 04/07/2022 | 10:15:00 - 10:30:00 | 5 | 0 | 4 | 2 | 0 | 8.7 | 269.7 | 7.0 | 55.5 | 978.0 |
| 04/07/2022 | 10:30:00 - 10:45:00 | 6 | 0 | 4 | 2 | 0 | 11.3 | 270.9 | 6.5 | 56.1 | 978.1 |
| 04/07/2022 | 10:45:00 - 11:00:00 | 4 | 0 | 3 | 2 | 0 | 8.0 | 274.4 | 6.3 | 57.7 | 978.2 |
| 04/07/2022 | 11:00:00 - 11:15:00 | 7 | 0 | 5 | 2 | 0 | 7.6 | 271.8 | 6.6 | 57.2 | 978.2 |
| 04/07/2022 | 11:15:00 - 11:30:00 | 4 | 0 | 4 | 2 | 0 | 8.9 | 268.7 | 7.1 | 54.3 | 978.1 |
| 04/07/2022 | 11:30:00 - 11:45:00 | 5 | 0 | 4 | 2 | 0 | 9.4 | 275.3 | 7.2 | 52.8 | 978.1 |
| 04/07/2022 | 11:45:00 - 12:00:00 | 4 | 0 | 4 | 1 | 0 | 10.0 | 271.7 | 6.9 | 55.0 | 977.9 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 04/07/2022 | 12:00:00 - 12:15:00 | 6 | 2 | 4 | 1 | 0 | 8.8 | 263.7 | 7.2 | 55.2 | 977.9 |
| 04/07/2022 | 12:15:00 - 12:30:00 | 4 | 0 | 4 | 1 | 0 | 8.5 | 263.6 | 7.5 | 54.5 | 977.9 |
| 04/07/2022 | 12:30:00 - 12:45:00 | 4 | 0 | 3 | 1 | 0 | 8.9 | 271.0 | 7.7 | 54.8 | 978.0 |
| 04/07/2022 | 12:45:00 - 13:00:00 | 1 | 1 | 2 | 1 | 0 | 7.9 | 263.8 | 7.9 | 53.8 | 977.9 |
| 04/07/2022 | 13:00:00 - 13:15:00 | 2 | 0 | 2 | 2 | 0 | 8.7 | 268.4 | 7.5 | 57.2 | 978.1 |
| 04/07/2022 | 13:15:00 - 13:30:00 | 4 | 0 | 3 | 2 | 0 | 8.4 | 281.7 | 6.9 | 60.8 | 978.3 |
| 04/07/2022 | 13:30:00 - 13:45:00 | 4 | 0 | 4 | 2 | 0 | 9.1 | 274.3 | 6.0 | 67.9 | 978.5 |
| 04/07/2022 | 13:45:00 - 14:00:00 | 12 | 0 | 12 | 2 | 0 | 8.0 | 272.2 | 6.6 | 65.0 | 978.4 |
| 04/07/2022 | 14:00:00 - 14:15:00 | 22 | 0 | 15 | 2 | 0 | 8.8 | 267.5 | 6.9 | 63.2 | 978.3 |
| 04/07/2022 | 14:15:00 - 14:30:00 | 3 | 0 | 3 | 1 | 0 | 8.3 | 266.4 | 7.0 | 61.1 | 978.3 |
| 04/07/2022 | 14:30:00 - 14:45:00 | 2 | 0 | 3 | 2 | 0 | 7.6 | 267.1 | 7.3 | 58.2 | 978.3 |
| 04/07/2022 | 14:45:00 - 15:00:00 | 6 | 0 | 4 | 2 | 0 | 9.3 | 268.1 | 6.9 | 59.8 | 978.5 |
| 04/07/2022 | 15:00:00 - 15:15:00 | 4 | 0 | 4 | 2 | 0 | 9.2 | 268.9 | 6.7 | 62.1 | 978.7 |
| 04/07/2022 | 15:15:00 - 15:30:00 | 1 | 0 | 2 | 2 | 0 | 8.3 | 265.3 | 6.6 | 61.2 | 978.7 |
| 04/07/2022 | 15:30:00 - 15:45:00 | 2 | 0 | 2 | 2 | 0 | 8.5 | 267.5 | 6.6 | 62.0 | 978.8 |
| 04/07/2022 | 15:45:00 - 16:00:00 | 1 | 0 | 3 | 2 | 0 | 8.3 | 273.4 | 6.4 | 62.9 | 978.9 |
| 04/07/2022 | 16:00:00 - 16:15:00 | 5 | 0 | 6 | 2 | 0 | 8.0 | 268.7 | 6.2 | 63.9 | 979.0 |
| 04/07/2022 | 16:15:00 - 16:30:00 | 3 | 1 | 4 | 2 | 0 | 7.3 | 271.1 | 6.2 | 64.9 | 978.9 |
| 04/07/2022 | 16:30:00 - 16:45:00 | 2 | 1 | 3 | 2 | 0 | 7.0 | 270.5 | 6.0 | 67.8 | 979.0 |
| 04/07/2022 | 16:45:00 - 17:00:00 | 4 | 0 | 5 | 2 | 0 | 7.8 | 275.9 | 6.2 | 64.7 | 979.1 |
| 04/07/2022 | 17:00:00 - 17:15:00 | 1 | 0 | 2 | 2 | 0 | 7.3 | 274.8 | 6.4 | 64.3 | 979.1 |
| 04/07/2022 | 17:15:00 - 17:30:00 | 2 | 0 | 2 | 1 | 0 | 7.7 | 267.8 | 6.5 | 62.5 | 979.1 |
| 04/07/2022 | 17:30:00 - 17:45:00 | 1 | 0 | 2 | 2 | 0 | 7.5 | 269.9 | 6.6 | 62.8 | 979.2 |
| 04/07/2022 | 17:45:00 - 18:00:00 | 3 | 0 | 3 | 2 | 0 | 8.5 | 273.0 | 6.5 | 62.3 | 979.2 |
| 04/07/2022 | 18:00:00 - 18:15:00 | 1 | 0 | 2 | 2 | 0 | 8.1 | 268.5 | 6.4 | 63.2 | 979.3 |
| 04/07/2022 | 18:15:00 - 18:30:00 | 1 | 0 | 2 | 2 | 0 | 8.5 | 270.7 | 6.3 | 64.0 | 979.2 |
| 04/07/2022 | 18:30:00 - 18:45:00 | 1 | 0 | 3 | 2 | 0 | 8.3 | 270.6 | 6.2 | 64.7 | 979.3 |
| 04/07/2022 | 18:45:00 - 19:00:00 | 2 | 1 | 3 | 2 | 0 | 9.1 | 271.7 | 6.0 | 64.4 | 979.3 |
| 04/07/2022 | 19:00:00 - 19:15:00 | 1 | 1 | 3 | 2 | 0 | 6.4 | 264.0 | 5.9 | 66.0 | 979.2 |
| 04/07/2022 | 19:15:00 - 19:30:00 | 1 | 0 | 3 | 2 | 0 | 6.5 | 259.6 | 5.8 | 67.1 | 979.2 |
| 04/07/2022 | 19:30:00 - 19:45:00 | 1 | 0 | 2 | 1 | 0 | 5.1 | 258.0 | 5.7 | 67.7 | 979.2 |
| 04/07/2022 | 19:45:00 - 20:00:00 | 1 | 1 | 2 | 2 | 0 | 6.0 | 258.1 | 5.3 | 71.2 | 979.3 |
| 04/07/2022 | 20:00:00 - 20:15:00 | 1 | 1 | 3 | 2 | 0 | 7.4 | 264.8 | 5.0 | 74.1 | 979.3 |
| 04/07/2022 | 20:15:00 - 20:30:00 | 1 | 1 | 3 | 2 | 0 | 7.2 | 259.7 | 4.8 | 76.5 | 979.3 |
| 04/07/2022 | 20:30:00 - 20:45:00 | 1 | 1 | 3 | 2 | 0 | 7.3 | 255.5 | 4.7 | 78.8 | 979.3 |
| 04/07/2022 | 20:45:00 - 21:00:00 | 1 | 1 | 3 | 2 | 0 | 4.4 | 247.1 | 4.4 | 82.3 | 979.3 |
| 04/07/2022 | 21:00:00 - 21:15:00 | 1 | 1 | 3 | 2 | 0 | 4.6 | 255.9 | 4.3 | 85.2 | 979.4 |
| 04/07/2022 | 21:15:00 - 21:30:00 | 1 | 1 | 3 | 2 | 0 | 5.2 | 253.0 | 4.0 | 87.5 | 979.3 |
| 04/07/2022 | 21:30:00 - 21:45:00 | 1 | 1 | 3 | 2 | 0 | 6.2 | 254.7 | 3.8 | 88.9 | 979.3 |
| 04/07/2022 | 21:45:00 - 22:00:00 | 1 | 1 | 3 | 2 | 0 | 5.8 | 255.8 | 3.7 | 90.4 | 979.2 |
| 04/07/2022 | 22:00:00 - 22:15:00 | 1 | 1 | 3 | 2 | 0 | 6.1 | 260.3 | 3.4 | 91.6 | 979.1 |
| 04/07/2022 | 22:15:00 - 22:30:00 | 1 | 1 | 3 | 2 | 0 | 5.4 | 252.6 | 3.3 | 93.0 | 978.9 |
| 04/07/2022 | 22:30:00 - 22:45:00 | 1 | 1 | 3 | 2 | 0 | 5.1 | 251.8 | 3.1 | 93.8 | 978.8 |
| 04/07/2022 | 22:45:00 - 23:00:00 | 1 | 1 | 3 | 2 | 0 | 4.0 | 243.5 | 3.0 | 94.6 | 978.6 |
| 04/07/2022 | 23:00:00 - 23:15:00 | 0 | 1 | 2 | 2 | 0 | 5.4 | 252.9 | 2.9 | 95.3 | 978.5 |
| 04/07/2022 | 23:15:00 - 23:30:00 | 1 | 1 | 3 | 2 | 0 | 5.5 | 254.0 | 2.9 | 95.5 | 978.3 |
| 04/07/2022 | 23:30:00 - 23:45:00 | 1 | 1 | 3 | 2 | 0 | 4.4 | 257.4 | 3.1 | 95.8 | 978.1 |
| 04/08/2022 | 23:45:00 - 00:00:00 | 1 | 1 | 3 | 2 | 0 | 3.8 | 256.6 | 3.2 | 96.0 | 978.0 |
| 04/08/2022 | 00:00:00 - 00:15:00 | 1 | 1 | 3 | 2 | 0 | 4.6 | 257.0 | 3.4 | 95.9 | 977.9 |
| 04/08/2022 | 00:15:00 - 00:30:00 | 1 | 0 | 3 | 2 | 0 | 3.4 | 242.7 | 3.5 | 95.3 | 977.9 |
| 04/08/2022 | 00:30:00 - 00:45:00 | 1 | 0 | 3 | 2 | 0 | 4.5 | 256.4 | 3.5 | 95.0 | 977.8 |
| 04/08/2022 | 00:45:00 - 01:00:00 | 1 | Offline | 3 | 2 | 0 | 5.1 | 263.5 | 3.5 | 95.0 | 977.7 |
| 04/08/2022 | 01:00:00 - 01:15:00 | 1 | Offline | 3 | 2 | 0 | 5.4 | 261.3 | 3.4 | 95.0 | 977.6 |
| 04/08/2022 | 01:15:00 - 01:30:00 | 1 | Offline | 3 | 2 | 0 | 4.9 | 263.6 | 3.5 | 95.0 | 977.5 |
| 04/08/2022 | 01:30:00 - 01:45:00 | 1 | Offline | 3 | 2 | 0 | 4.7 | 266.4 | 3.5 | 94.1 | 977.5 |
| 04/08/2022 | 01:45:00 - 02:00:00 | 2 | Offline | 3 | 2 | 0 | 4.5 | 273.3 | 3.5 | 94.0 | 977.3 |
| 04/08/2022 | 02:00:00 - 02:15:00 | 1 | Offline | 3 | 2 | 0 | 4.5 | 272.0 | 3.5 | 93.2 | 977.2 |
| 04/08/2022 | 02:15:00 - 02:30:00 | 1 | Offline | 3 | 2 | 0 | 4.8 | 266.4 | 3.3 | 93.0 | 977.1 |
| 04/08/2022 | 02:30:00 - 02:45:00 | 1 | Offline | 3 | 2 | 0 | 4.9 | 273.6 | 3.2 | 92.0 | 977.1 |
| 04/08/2022 | 02:45:00 - 03:00:00 | 1 | Offline | 3 | 2 | 0 | 3.8 | 268.0 | 3.2 | 90.4 | 977.1 |
| 04/08/2022 | 03:00:00 - 03:15:00 | 1 | Offline | 3 | 2 | 0 | 3.9 | 242.6 | 3.1 | 90.6 | 977.1 |
| 04/08/2022 | 03:15:00 - 03:30:00 | 1 | Offline | 3 | 2 | 0 | 4.7 | 247.3 | 3.0 | 91.0 | 977.1 |
| 04/08/2022 | 03:30:00 - 03:45:00 | 1 | Offline | 3 | 2 | 0 | 3.6 | 255.5 | 2.8 | 91.0 | 977.1 |
| 04/08/2022 | 03:45:00 - 04:00:00 | 1 | Offline | 3 | 2 | 0 | 4.0 | 254.2 | 2.7 | 92.4 | 977.1 |
| 04/08/2022 | 04:00:00 - 04:15:00 | 1 | Offline | 3 | 2 | 0 | 4.6 | 254.9 | 2.6 | 91.6 | 977.0 |
| 04/08/2022 | 04:15:00 - 04:30:00 | 1 | Offline | 3 | 2 | 0 | 3.4 | 249.8 | 2.6 | 90.6 | 977.0 |
| 04/08/2022 | 04:30:00 - 04:45:00 | 1 | Offline | 3 | 2 | 0 | 2.6 | 255.9 | 2.6 | 89.5 | 977.0 |
| 04/08/2022 | 04:45:00 - 05:00:00 | 1 | Offline | 3 | 2 | 0 | 3.9 | 263.7 | 2.6 | 89.0 | 977.1 |
| 04/08/2022 | 05:00:00 - 05:15:00 | 1 | Offline | 3 | 2 | 0 | 3.4 | 269.3 | 2.4 | 90.5 | 977.2 |
| 04/08/2022 | 05:15:00 - 05:30:00 | 1 | Offline | 3 | 2 | 0 | 4.4 | 262.5 | 2.2 | 91.9 | 977.2 |
| 04/08/2022 | 05:30:00 - 05:45:00 | 1 | Offline | 3 | 2 | 0 | 3.7 | 279.3 | 2.1 | 92.6 | 977.3 |
| 04/08/2022 | 05:45:00 - 06:00:00 | 1 | Offline | 3 | 2 | 0 | 4.0 | 266.9 | 2.0 | 93.2 | 977.4 |
| 04/08/2022 | 06:00:00 - 06:15:00 | 1 | Offline | 3 | 2 | 0 | 4.5 | 258.5 | 2.0 | 94.0 | 977.5 |
| 04/08/2022 | 06:15:00 - 06:30:00 | 2 | Offline | 4 | 3 | 0 | 2.6 | 251.9 | 2.0 | 94.8 | 977.5 |
| 04/08/2022 | 06:30:00 - 06:45:00 | 2 | Offline | 4 | 3 | 0 | 3.5 | 256.1 | 1.8 | 95.8 | 977.6 |
| 04/08/2022 | 06:45:00 - 07:00:00 | 3 | Offline | 4 | 3 | 1 | 3.1 | 224.8 | 1.8 | 96.0 | 977.7 |
| 04/08/2022 | 07:00:00 - 07:15:00 | 2 | 4 | 4 | 3 | 0 | 2.8 | 251.9 | 1.9 | 96.1 | 977.9 |
| 04/08/2022 | 07:15:00 - 07:30:00 | 7 | 4 | 7 | 3 | 1 | 1.5 | 235.2 | 2.1 | 96.4 | 978.1 |
| 04/08/2022 | 07:30:00 - 07:45:00 | 5 | 3 | 6 | 4 | 1 | 3.0 | 242.2 | 2.1 | 95.8 | 978.2 |
| 04/08/2022 | 07:45:00 - 08:00:00 | 7 | 4 | 7 | 5 | 2 | 3.7 | 263.2 | 2.0 | 95.6 | 978.3 |
| 04/08/2022 | 08:00:00 - 08:15:00 | 4 | 4 | 5 | 5 | 2 | 3.0 | 267.2 | 1.7 | 95.9 | 978.4 |
| 04/08/2022 | 08:15:00 - 08:30:00 | 2 | 2 | 4 | 3 | 0 | 3.0 | 272.7 | 1.7 | 95.3 | 978.5 |
| 04/08/2022 | 08:30:00 - 08:45:00 | 1 | 2 | 3 | 2 | 0 | 4.5 | 290.6 | 2.0 | 94.6 | 978.6 |
| 04/08/2022 | 08:45:00 - 09:00:00 | 1 | 2 | 3 | 2 | 0 | 2.7 | 273.6 | 2.1 | 94.0 | 978.6 |
| 04/08/2022 | 09:00:00 - 09:15:00 | 2 | 1 | 4 | 2 | 0 | 4.5 | 295.1 | 2.5 | 91.5 | 978.7 |
| 04/08/2022 | 09:15:00 - 09:30:00 | 1 | 1 | 3 | 2 | 0 | 3.7 | 283.4 | 2.6 | 87.9 | 978.8 |
| 04/08/2022 | 09:30:00 - 09:45:00 | 3 | 2 | 4 | 2 | 0 | 4.6 | 267.3 | 2.4 | 87.9 | 979.0 |
| 04/08/2022 | 09:45:00 - 10:00:00 | 2 | 2 | 4 | 2 | 0 | 4.3 | 289.4 | 2.5 | 86.2 | 979.2 |
| 04/08/2022 | 10:00:00 - 10:15:00 | 1 | 3 | 3 | 2 | 0 | 3.4 | 271.1 | 3.2 | 83.0 | 979.3 |
| 04/08/2022 | 10:15:00 - 10:30:00 | 2 | 1 | 4 | 2 | 0 | 4.4 | 284.3 | 3.3 | 80.7 | 979.4 |
| 04/08/2022 | 10:30:00 - 10:45:00 | 3 | 1 | 4 | 2 | 0 | 4.4 | 290.3 | 3.6 | 79.5 | 979.6 |
| 04/08/2022 | 10:45:00 - 11:00:00 | 2 | 1 | 3 | 1 | 0 | 4.2 | 316.3 | 2.7 | 83.9 | 979.7 |
| 04/08/2022 | 11:00:00 - 11:15:00 | 1 | 1 | 3 | 1 | 0 | 2.7 | 307.0 | 3.4 | 81.7 | 979.7 |
| 04/08/2022 | 11:15:00 - 11:30:00 | 1 | 1 | 2 | 1 | 0 | 4.8 | 298.7 | 3.8 | 81.5 | 979.7 |
| 04/08/2022 | 11:30:00 - 11:45:00 | 1 | 1 | 2 | 1 | 0 | 4.7 | 291.8 | 3.4 | 84.5 | 979.8 |
| 04/08/2022 | 11:45:00 - 12:00:00 | 1 | 1 | 2 | 1 | 0 | 4.9 | 289.3 | 3.2 | 87.6 | 979.9 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 04/08/2022 | 12:00:00 - 12:15:00 | 1 | 1 | 3 | 2 | 0 | 2.0 | 277.3 | 3.1 | 90.1 | 979.9 |
| 04/08/2022 | 12:15:00 - 12:30:00 | 1 | 1 | 3 | 1 | 0 | 4.1 | 276.0 | 3.6 | 85.6 | 979.9 |
| 04/08/2022 | 12:30:00 - 12:45:00 | 2 | 1 | 3 | 1 | 0 | 4.8 | 294.5 | 3.8 | 83.5 | 980.0 |
| 04/08/2022 | 12:45:00 - 13:00:00 | 1 | 1 | 3 | 1 | 0 | 6.5 | 282.1 | 3.8 | 83.2 | 980.1 |
| 04/08/2022 | 13:00:00 - 13:15:00 | 1 | 1 | 3 | 2 | 0 | 6.2 | 284.1 | 3.6 | 82.8 | 980.2 |
| 04/08/2022 | 13:15:00 - 13:30:00 | 1 | 1 | 3 | 2 | 0 | 5.9 | 286.1 | 3.7 | 83.5 | 980.3 |
| 04/08/2022 | 13:30:00 - 13:45:00 | 1 | 1 | 3 | 2 | 0 | 6.1 | 290.5 | 3.9 | 83.0 | 980.4 |
| 04/08/2022 | 13:45:00 - 14:00:00 | 1 | 1 | 3 | 2 | 0 | 5.0 | 289.1 | 4.1 | 81.8 | 980.5 |
| 04/08/2022 | 14:00:00 - 14:15:00 | 1 | 1 | 3 | 1 | 0 | 6.6 | 286.9 | 4.2 | 81.8 | 980.6 |
| 04/08/2022 | 14:15:00 - 14:30:00 | 2 | 1 | 3 | 1 | 0 | 5.2 | 297.6 | 4.0 | 84.9 | 980.7 |
| 04/08/2022 | 14:30:00 - 14:45:00 | 1 | 1 | 3 | 1 | 0 | 4.8 | 292.7 | 3.8 | 86.6 | 980.7 |
| 04/08/2022 | 14:45:00 - 15:00:00 | 1 | 1 | 3 | 2 | 0 | 5.8 | 281.0 | 3.8 | 85.7 | 980.8 |
| 04/08/2022 | 15:00:00 - 15:15:00 | 1 | 1 | 3 | 2 | 0 | 5.9 | 284.0 | 3.9 | 84.0 | 980.9 |
| 04/08/2022 | 15:15:00 - 15:30:00 | 1 | 2 | 3 | 2 | 0 | 5.9 | 296.4 | 3.8 | 84.0 | 981.0 |
| 04/08/2022 | 15:30:00 - 15:45:00 | 1 | 2 | 3 | 2 | 0 | 5.4 | 292.4 | 3.8 | 83.7 | 981.0 |
| 04/08/2022 | 15:45:00 - 16:00:00 | 1 | 2 | 3 | 2 | 0 | 7.2 | 296.8 | 3.9 | 83.0 | 981.1 |
| 04/08/2022 | 16:00:00 - 16:15:00 | 1 | 1 | 3 | 2 | 0 | 5.8 | 289.4 | 3.8 | 85.4 | 981.3 |
| 04/08/2022 | 16:15:00 - 16:30:00 | 0 | 1 | 2 | 1 | 0 | 6.7 | 301.3 | 4.0 | 85.0 | 981.3 |
| 04/08/2022 | 16:30:00 - 16:45:00 | 0 | 1 | 2 | 1 | 0 | 6.8 | 296.9 | 3.8 | 87.2 | 981.4 |
| 04/08/2022 | 16:45:00 - 17:00:00 | 0 | 1 | 2 | 1 | 0 | 6.9 | 300.7 | 4.0 | 86.7 | 981.5 |
| 04/08/2022 | 17:00:00 - 17:15:00 | 1 | 1 | 3 | 1 | 0 | 5.8 | 290.1 | 3.7 | 88.5 | 981.6 |
| 04/08/2022 | 17:15:00 - 17:30:00 | 1 | 1 | 3 | 2 | 0 | 5.9 | 293.2 | 3.4 | 90.7 | 981.8 |
| 04/08/2022 | 17:30:00 - 17:45:00 | 1 | 1 | 2 | 1 | 0 | 6.3 | 293.7 | 3.6 | 89.0 | 981.9 |
| 04/08/2022 | 17:45:00 - 18:00:00 | 1 | 1 | 3 | 2 | 0 | 6.0 | 286.6 | 3.5 | 88.4 | 982.0 |
| 04/08/2022 | 18:00:00 - 18:15:00 | 0 | 1 | 2 | 1 | 0 | 5.7 | 302.5 | 2.8 | 91.4 | 982.2 |
| 04/08/2022 | 18:15:00 - 18:30:00 | 0 | 1 | 2 | 1 | 0 | 5.1 | 294.5 | 2.8 | 91.9 | 982.3 |
| 04/08/2022 | 18:30:00 - 18:45:00 | 0 | 1 | 2 | 1 | 0 | 5.3 | 285.6 | 2.7 | 91.5 | 982.4 |
| 04/08/2022 | 18:45:00 - 19:00:00 | 0 | 1 | 2 | 1 | 0 | 5.5 | 283.3 | 2.3 | 92.0 | 982.4 |
| 04/08/2022 | 19:00:00 - 19:15:00 | 0 | 1 | 2 | 1 | 0 | 5.2 | 295.1 | 2.5 | 92.1 | 982.5 |
| 04/08/2022 | 19:15:00 - 19:30:00 | 0 | 1 | 2 | 1 | 0 | 3.7 | 299.8 | 2.4 | 93.1 | 982.6 |
| 04/08/2022 | 19:30:00 - 19:45:00 | 0 | 1 | 2 | 1 | 0 | 4.4 | 304.3 | 2.2 | 92.4 | 982.7 |
| 04/08/2022 | 19:45:00 - 20:00:00 | 0 | 1 | 2 | 1 | 0 | 4.2 | 303.0 | 2.1 | 93.1 | 982.9 |
| 04/08/2022 | 20:00:00 - 20:15:00 | 0 | 2 | 3 | 1 | 0 | 3.3 | 287.3 | 2.1 | 94.2 | 983.1 |
| 04/08/2022 | 20:15:00 - 20:30:00 | 0 | 1 | 3 | 2 | 0 | 4.4 | 289.6 | 2.0 | 94.0 | 983.3 |
| 04/08/2022 | 20:30:00 - 20:45:00 | 0 | 2 | 3 | 2 | 0 | 5.2 | 296.3 | 1.8 | 94.3 | 983.4 |
| 04/08/2022 | 20:45:00 - 21:00:00 | 1 | 2 | 3 | 2 | 0 | 4.3 | 299.2 | 1.8 | 95.0 | 983.7 |
| 04/08/2022 | 21:00:00 - 21:15:00 | 1 | 1 | 3 | 2 | 0 | 3.5 | 310.4 | 1.8 | 95.2 | 983.7 |
| 04/08/2022 | 21:15:00 - 21:30:00 | 1 | 2 | 3 | 2 | 0 | 3.1 | 303.6 | 1.7 | 95.6 | 983.8 |
| 04/08/2022 | 21:30:00 - 21:45:00 | 1 | 2 | 3 | 2 | 0 | 2.6 | 293.3 | 1.7 | 96.0 | 983.8 |
| 04/08/2022 | 21:45:00 - 22:00:00 | 1 | 2 | 3 | 2 | 0 | 2.4 | 289.9 | 1.7 | 96.0 | 983.7 |
| 04/08/2022 | 22:00:00 - 22:15:00 | 1 | 2 | 3 | 2 | 0 | 2.0 | 285.9 | 1.8 | 96.0 | 983.6 |
| 04/08/2022 | 22:15:00 - 22:30:00 | 1 | 2 | 3 | 2 | 0 | 3.3 | 278.3 | 1.8 | 95.7 | 983.5 |
| 04/08/2022 | 22:30:00 - 22:45:00 | 1 | 2 | 3 | 2 | 0 | 3.4 | 281.2 | 1.7 | 95.0 | 983.6 |
| 04/08/2022 | 22:45:00 - 23:00:00 | 1 | 3 | 3 | 2 | 0 | 3.7 | 276.6 | 1.7 | 95.0 | 983.5 |
| 04/08/2022 | 23:00:00 - 23:15:00 | 2 | 3 | 4 | 3 | 0 | 4.8 | 274.0 | 1.4 | 95.4 | 983.5 |
| 04/08/2022 | 23:15:00 - 23:30:00 | 2 | 2 | 4 | 3 | 0 | 3.1 | 289.8 | 1.3 | 96.1 | 983.5 |
| 04/08/2022 | 23:30:00 - 23:45:00 | 2 | 2 | 4 | 3 | 0 | 4.3 | 288.1 | 1.3 | 96.0 | 983.3 |
| 04/09/2022 | 23:45:00 - 00:00:00 | 2 | 2 | 4 | 3 | 0 | 3.8 | 286.2 | 1.4 | 96.0 | 983.3 |
| 04/09/2022 | 00:00:00 - 00:15:00 | 2 | 3 | 4 | 3 | 0 | 3.5 | 279.7 | 1.3 | 96.0 | 983.2 |
| 04/09/2022 | 00:15:00 - 00:30:00 | 2 | 2 | 4 | 3 | 0 | 3.0 | 303.6 | 1.2 | 95.9 | 983.3 |
| 04/09/2022 | 00:30:00 - 00:45:00 | 1 | 1 | 3 | 2 | 0 | 3.3 | 311.4 | 0.6 | 96.1 | 983.3 |
| 04/09/2022 | 00:45:00 - 01:00:00 | 1 | 2 | 3 | 2 | 0 | 3.3 | 302.1 | 0.7 | 96.8 | 983.3 |
| 04/09/2022 | 01:00:00 - 01:15:00 | 2 | 2 | 4 | 3 | 0 | 2.9 | 296.4 | 0.7 | 97.0 | 983.3 |
| 04/09/2022 | 01:15:00 - 01:30:00 | 2 | 2 | 4 | 3 | 0 | 3.4 | 294.5 | 0.8 | 97.0 | 983.2 |
| 04/09/2022 | 01:30:00 - 01:45:00 | 2 | 2 | 4 | 3 | 1 | 3.7 | 295.7 | 0.9 | 97.0 | 983.1 |
| 04/09/2022 | 01:45:00 - 02:00:00 | 2 | 3 | 4 | 3 | 1 | 2.8 | 291.6 | 0.9 | 97.0 | 983.1 |
| 04/09/2022 | 02:00:00 - 02:15:00 | 2 | 3 | 4 | 3 | 1 | 2.8 | 276.3 | 0.9 | 97.0 | 983.1 |
| 04/09/2022 | 02:15:00 - 02:30:00 | 2 | 3 | 4 | 3 | 1 | 2.7 | 283.4 | 0.8 | 97.0 | 983.1 |
| 04/09/2022 | 02:30:00 - 02:45:00 | 2 | 3 | 4 | 3 | 1 | 2.2 | 260.4 | 0.7 | 97.0 | 983.1 |
| 04/09/2022 | 02:45:00 - 03:00:00 | 2 | 3 | 4 | 3 | 1 | 3.0 | 277.7 | 0.7 | 97.0 | 982.9 |
| 04/09/2022 | 03:00:00 - 03:15:00 | 2 | 3 | 4 | 3 | 1 | 3.5 | 272.9 | 0.8 | 97.3 | 982.8 |
| 04/09/2022 | 03:15:00 - 03:30:00 | 2 | 3 | 4 | 3 | 1 | 2.0 | 268.8 | 0.9 | 97.2 | 982.9 |
| 04/09/2022 | 03:30:00 - 03:45:00 | 2 | 3 | 4 | 3 | 1 | 1.9 | 298.0 | 1.0 | 96.9 | 983.0 |
| 04/09/2022 | 03:45:00 - 04:00:00 | 2 | 3 | 4 | 3 | 1 | 1.2 | 296.0 | 1.0 | 96.0 | 983.2 |
| 04/09/2022 | 04:00:00 - 04:15:00 | 2 | 3 | 4 | 3 | 1 | 1.1 | 299.6 | 1.0 | 95.5 | 983.2 |
| 04/09/2022 | 04:15:00 - 04:30:00 | 2 | 2 | 4 | 3 | 0 | 1.6 | 304.9 | 1.0 | 94.3 | 983.3 |
| 04/09/2022 | 04:30:00 - 04:45:00 | 1 | 2 | 3 | 2 | 0 | 1.7 | 285.8 | 1.0 | 92.7 | 983.3 |
| 04/09/2022 | 04:45:00 - 05:00:00 | 1 | 3 | 3 | 2 | 0 | 2.3 | 288.9 | 0.9 | 91.1 | 983.3 |
| 04/09/2022 | 05:00:00 - 05:15:00 | 1 | 3 | 3 | 2 | 0 | 2.3 | 266.5 | 0.9 | 91.6 | 983.4 |
| 04/09/2022 | 05:15:00 - 05:30:00 | 1 | 4 | 3 | 2 | 0 | 2.7 | 256.9 | 0.8 | 92.6 | 983.5 |
| 04/09/2022 | 05:30:00 - 05:45:00 | 2 | 4 | 4 | 3 | 1 | 2.9 | 270.4 | 0.7 | 93.9 | 983.6 |
| 04/09/2022 | 05:45:00 - 06:00:00 | 2 | 4 | 4 | 3 | 1 | 2.9 | 275.3 | 0.5 | 94.0 | 983.9 |
| 04/09/2022 | 06:00:00 - 06:15:00 | 2 | 4 | 4 | 3 | 1 | 3.2 | 273.9 | 0.4 | 93.2 | 983.9 |
| 04/09/2022 | 06:15:00 - 06:30:00 | 2 | 4 | 4 | 3 | 0 | 2.0 | 271.0 | 0.2 | 93.7 | 984.1 |
| 04/09/2022 | 06:30:00 - 06:45:00 | 2 | 3 | 4 | 3 | 0 | 1.9 | 269.8 | 0.2 | 94.0 | 984.3 |
| 04/09/2022 | 06:45:00 - 07:00:00 | 1 | 3 | 4 | 3 | 0 | 2.6 | 275.4 | 0.5 | 92.8 | 984.7 |
| 04/09/2022 | 07:00:00 - 07:15:00 | 1 | 2 | 3 | 3 | 0 | 3.3 | 284.8 | 0.8 | 91.0 | 985.0 |
| 04/09/2022 | 07:15:00 - 07:30:00 | 1 | 2 | 3 | 2 | 0 | 3.5 | 278.5 | 1.1 | 89.4 | 985.2 |
| 04/09/2022 | 07:30:00 - 07:45:00 | 0 | 2 | 3 | 2 | 0 | 2.9 | 287.6 | 1.5 | 87.1 | 985.1 |
| 04/09/2022 | 07:45:00 - 08:00:00 | 0 | 2 | 3 | 2 | 0 | 3.7 | 295.4 | 1.9 | 85.0 | 985.2 |
| 04/09/2022 | 08:00:00 - 08:15:00 | 0 | 2 | 2 | 1 | 0 | 3.6 | 300.1 | 2.2 | 83.0 | 985.2 |
| 04/09/2022 | 08:15:00 - 08:30:00 | 0 | 1 | 2 | 1 | 0 | 3.9 | 293.2 | 2.7 | 80.1 | 985.4 |
| 04/09/2022 | 08:30:00 - 08:45:00 | 0 | 1 | 2 | 1 | 0 | 4.7 | 294.1 | 3.0 | 77.5 | 985.5 |
| 04/09/2022 | 08:45:00 - 09:00:00 | 0 | 1 | 2 | 1 | 0 | 4.5 | 293.1 | 3.5 | 74.7 | 985.6 |
| 04/09/2022 | 09:00:00 - 09:15:00 | 0 | 1 | 2 | 1 | 0 | 5.9 | 293.4 | 3.9 | 73.2 | 985.7 |
| 04/09/2022 | 09:15:00 - 09:30:00 | 0 | 1 | 2 | 1 | 0 | 6.2 | 284.3 | 4.2 | 72.7 | 985.9 |
| 04/09/2022 | 09:30:00 - 09:45:00 | 1 | 1 | 2 | 1 | 0 | 6.6 | 295.2 | 4.6 | 70.8 | 986.1 |
| 04/09/2022 | 09:45:00 - 10:00:00 | 1 | 0 | 2 | 1 | 0 | 7.5 | 310.3 | 5.1 | 65.3 | 986.2 |
| 04/09/2022 | 10:00:00 - 10:15:00 | 1 | 0 | 2 | 1 | 0 | 7.7 | 317.6 | 5.4 | 63.6 | 986.2 |
| 04/09/2022 | 10:15:00 - 10:30:00 | 1 | 0 | 2 | 1 | 0 | 7.9 | 325.2 | 5.8 | 60.8 | 986.3 |
| 04/09/2022 | 10:30:00 - 10:45:00 | 1 | 0 | 2 | 1 | 0 | 5.8 | 318.1 | 6.3 | 59.1 | 986.4 |
| 04/09/2022 | 10:45:00 - 11:00:00 | 1 | 0 | 2 | 1 | 0 | 7.1 | 315.7 | 6.3 | 58.5 | 986.4 |
| 04/09/2022 | 11:00:00 - 11:15:00 | 1 | 0 | 2 | 1 | 0 | 6.8 | 303.6 | 6.5 | 57.6 | 986.5 |
| 04/09/2022 | 11:15:00 - 11:30:00 | 1 | 0 | 2 | 1 | 0 | 7.6 | 320.7 | 6.8 | 54.2 | 986.5 |
| 04/09/2022 | 11:30:00 - 11:45:00 | 1 | 0 | 2 | 1 | 0 | 6.7 | 313.7 | 6.6 | 54.4 | 986.5 |
| 04/09/2022 | 11:45:00 - 12:00:00 | 1 | 0 | 2 | 1 | 0 | 8.1 | 323.9 | 7.1 | 53.3 | 986.5 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 04/09/2022 | 12:00:00 - 12:15:00 | 1 | 0 | 2 | 1 | 0 | 7.0 | 304.3 | 7.4 | 51.6 | 986.5 |
| 04/09/2022 | 12:15:00 - 12:30:00 | 1 | 0 | 2 | 1 | 0 | 6.7 | 289.4 | 7.3 | 53.6 | 986.5 |
| 04/09/2022 | 12:30:00 - 12:45:00 | 1 | 0 | 2 | 1 | 0 | 7.4 | 298.5 | 7.2 | 55.3 | 986.5 |
| 04/09/2022 | 12:45:00 - 13:00:00 | 1 | 0 | 2 | 2 | 0 | 6.5 | 302.3 | 7.4 | 55.5 | 986.5 |
| 04/09/2022 | 13:00:00 - 13:15:00 | 2 | 0 | 2 | 2 | 0 | 5.8 | 290.2 | 7.4 | 58.4 | 986.5 |
| 04/09/2022 | 13:15:00 - 13:30:00 | 1 | 0 | 2 | 2 | 0 | 6.3 | 306.9 | 7.8 | 54.5 | 986.4 |
| 04/09/2022 | 13:30:00 - 13:45:00 | 2 | 0 | 2 | 2 | 0 | 6.8 | 305.7 | 7.7 | 54.9 | 986.5 |
| 04/09/2022 | 13:45:00 - 14:00:00 | 2 | 0 | 2 | 2 | 0 | 6.2 | 302.5 | 8.2 | 52.3 | 986.4 |
| 04/09/2022 | 14:00:00 - 14:15:00 | 2 | 0 | 2 | 2 | 0 | 5.4 | 303.0 | 8.5 | 52.2 | 986.5 |
| 04/09/2022 | 14:15:00 - 14:30:00 | 2 | 0 | 2 | 2 | 0 | 6.1 | 301.3 | 8.5 | 50.8 | 986.5 |
| 04/09/2022 | 14:30:00 - 14:45:00 | 2 | 0 | 2 | 2 | 0 | 5.7 | 304.8 | 8.4 | 51.1 | 986.4 |
| 04/09/2022 | 14:45:00 - 15:00:00 | 2 | 0 | 2 | 2 | 0 | 5.0 | 308.7 | 8.6 | 51.0 | 986.5 |
| 04/09/2022 | 15:00:00 - 15:15:00 | 2 | 0 | 2 | 2 | 0 | 4.9 | 286.3 | 8.6 | 51.2 | 986.5 |
| 04/09/2022 | 15:15:00 - 15:30:00 | 2 | 0 | 2 | 2 | 0 | 4.5 | 289.9 | 8.7 | 50.2 | 986.5 |
| 04/09/2022 | 15:30:00 - 15:45:00 | 2 | 0 | 2 | 2 | 0 | 5.3 | 286.0 | 8.9 | 48.5 | 986.5 |
| 04/09/2022 | 15:45:00 - 16:00:00 | 2 | 0 | 2 | 2 | 0 | 4.1 | 290.5 | 9.0 | 49.3 | 986.5 |
| 04/09/2022 | 16:00:00 - 16:15:00 | 2 | 0 | 2 | 2 | 0 | 5.2 | 297.3 | 9.3 | 48.1 | 986.4 |
| 04/09/2022 | 16:15:00 - 16:30:00 | 2 | 0 | 2 | 2 | 0 | 4.0 | 301.7 | 9.1 | 48.8 | 986.4 |
| 04/09/2022 | 16:30:00 - 16:45:00 | 2 | 0 | 2 | 2 | 0 | 4.8 | 328.6 | 9.7 | 48.1 | 986.3 |
| 04/09/2022 | 16:45:00 - 17:00:00 | 2 | 0 | 2 | 2 | 0 | 4.4 | 315.1 | 9.9 | 47.0 | 986.3 |
| 04/09/2022 | 17:00:00 - 17:15:00 | 2 | 0 | 2 | 2 | 0 | 4.9 | 294.6 | 10.1 | 45.9 | 986.4 |
| 04/09/2022 | 17:15:00 - 17:30:00 | 2 | 0 | 2 | 2 | 0 | 4.4 | 310.9 | 10.2 | 45.5 | 986.4 |
| 04/09/2022 | 17:30:00 - 17:45:00 | 2 | 0 | 2 | 2 | 0 | 4.5 | 310.5 | 10.1 | 44.7 | 986.4 |
| 04/09/2022 | 17:45:00 - 18:00:00 | 2 | 0 | 2 | 2 | 0 | 3.6 | 286.6 | 10.1 | 45.3 | 986.5 |
| 04/09/2022 | 18:00:00 - 18:15:00 | 2 | 0 | 2 | 2 | 0 | 3.4 | 316.5 | 9.8 | 46.2 | 986.5 |
| 04/09/2022 | 18:15:00 - 18:30:00 | 2 | 0 | 2 | 2 | 0 | 3.8 | 308.0 | 9.6 | 46.4 | 986.4 |
| 04/09/2022 | 18:30:00 - 18:45:00 | 2 | 0 | 2 | 2 | 0 | 3.3 | 319.5 | 9.5 | 46.6 | 986.4 |
| 04/09/2022 | 18:45:00 - 19:00:00 | 2 | 2 | 2 | 2 | 0 | 2.3 | 336.2 | 9.2 | 47.5 | 986.4 |
| 04/09/2022 | 19:00:00 - 19:15:00 | 2 | 3 | 2 | 2 | 0 | 1.4 | 348.8 | 8.8 | 49.0 | 986.4 |
| 04/09/2022 | 19:15:00 - 19:30:00 | 2 | 3 | 3 | 2 | 0 | 0.5 | 309.1 | 8.2 | 50.5 | 986.4 |
| 04/09/2022 | 19:30:00 - 19:45:00 | 3 | 1 | 3 | 3 | 0 | 0.9 | 266.9 | 7.9 | 50.6 | 986.4 |
| 04/09/2022 | 19:45:00 - 20:00:00 | 3 | 2 | 4 | 3 | 1 | 0.6 | 222.3 | 7.3 | 52.4 | 986.5 |
| 04/09/2022 | 20:00:00 - 20:15:00 | 4 | 3 | 5 | 4 | 2 | 0.6 | 192.7 | 6.7 | 55.4 | 986.7 |
| 04/09/2022 | 20:15:00 - 20:30:00 | 4 | 4 | 5 | 4 | 2 | 0.6 | 125.2 | 5.9 | 58.8 | 986.8 |
| 04/09/2022 | 20:30:00 - 20:45:00 | 4 | 4 | 5 | 5 | 3 | 0.7 | 135.9 | 4.7 | 63.2 | 987.0 |
| 04/09/2022 | 20:45:00 - 21:00:00 | 5 | 7 | 5 | 6 | 4 | 1.1 | 86.5 | 4.4 | 66.4 | 987.3 |
| 04/09/2022 | 21:00:00 - 21:15:00 | 6 | 7 | 7 | 7 | 5 | 1.0 | 100.5 | 4.0 | 69.1 | 987.4 |
| 04/09/2022 | 21:15:00 - 21:30:00 | 10 | 8 | 10 | 8 | 7 | 0.9 | 105.5 | 4.8 | 69.3 | 987.5 |
| 04/09/2022 | 21:30:00 - 21:45:00 | 8 | 10 | 8 | 8 | 7 | 0.4 | 116.0 | 4.4 | 70.2 | 987.7 |
| 04/09/2022 | 21:45:00 - 22:00:00 | 9 | 8 | 9 | 8 | 7 | 0.8 | 202.1 | 4.6 | 70.0 | 987.9 |
| 04/09/2022 | 22:00:00 - 22:15:00 | 8 | 7 | 8 | 8 | 6 | 0.9 | 195.6 | 4.7 | 70.0 | 988.0 |
| 04/09/2022 | 22:15:00 - 22:30:00 | 7 | 6 | 8 | 7 | 5 | 0.6 | 173.2 | 4.5 | 70.2 | 988.0 |
| 04/09/2022 | 22:30:00 - 22:45:00 | 7 | 6 | 8 | 7 | 6 | 1.1 | 172.7 | 4.3 | 72.1 | 988.1 |
| 04/09/2022 | 22:45:00 - 23:00:00 | 7 | 6 | 7 | 7 | 5 | 0.9 | 170.7 | 4.1 | 72.0 | 988.3 |
| 04/09/2022 | 23:00:00 - 23:15:00 | 6 | 5 | 6 | 6 | 4 | 0.6 | 182.5 | 4.3 | 71.3 | 988.5 |
| 04/09/2022 | 23:15:00 - 23:30:00 | 5 | 5 | 6 | 5 | 3 | 0.6 | 141.6 | 4.0 | 72.0 | 988.5 |
| 04/09/2022 | 23:30:00 - 23:45:00 | 5 | 4 | 6 | 5 | 3 | 0.8 | 141.1 | 4.0 | 72.0 | 988.6 |
| 04/10/2022 | 23:45:00 - 00:00:00 | 7 | 4 | 7 | 5 | 3 | 1.1 | 134.7 | 4.0 | 71.5 | 988.6 |
| 04/10/2022 | 00:00:00 - 00:15:00 | 4 | 4 | 5 | 5 | 3 | 1.1 | 137.0 | 4.1 | 70.5 | 988.6 |
| 04/10/2022 | 00:15:00 - 00:30:00 | 4 | 4 | 5 | 5 | 3 | 0.7 | 145.2 | 3.9 | 71.4 | 988.7 |
| 04/10/2022 | 00:30:00 - 00:45:00 | 4 | 4 | 6 | 6 | 3 | 0.5 | 176.6 | 3.9 | 72.3 | 988.7 |
| 04/10/2022 | 00:45:00 - 01:00:00 | 4 | 4 | 6 | 5 | 3 | 0.6 | 163.1 | 3.9 | 72.9 | 988.8 |
| 04/10/2022 | 01:00:00 - 01:15:00 | 4 | 4 | 5 | 5 | 3 | 0.4 | 149.2 | 3.9 | 72.3 | 988.8 |
| 04/10/2022 | 01:15:00 - 01:30:00 | 4 | 4 | 5 | 5 | 3 | 1.4 | 89.4 | 3.4 | 73.7 | 988.7 |
| 04/10/2022 | 01:30:00 - 01:45:00 | 4 | 5 | 6 | 5 | 3 | 1.0 | 107.0 | 2.8 | 75.8 | 988.6 |
| 04/10/2022 | 01:45:00 - 02:00:00 | 4 | 5 | 6 | 5 | 3 | 0.6 | 109.2 | 2.6 | 77.0 | 988.7 |
| 04/10/2022 | 02:00:00 - 02:15:00 | 6 | 7 | 7 | 7 | 5 | 1.3 | 115.1 | 2.3 | 79.1 | 988.7 |
| 04/10/2022 | 02:15:00 - 02:30:00 | 6 | 7 | 7 | 8 | 6 | 1.0 | 119.7 | 1.7 | 80.4 | 988.6 |
| 04/10/2022 | 02:30:00 - 02:45:00 | 7 | 9 | 8 | 11 | 6 | 1.5 | 128.6 | 1.8 | 81.8 | 988.5 |
| 04/10/2022 | 02:45:00 - 03:00:00 | 7 | 11 | 8 | 10 | 6 | 1.1 | 193.7 | 1.9 | 81.5 | 988.5 |
| 04/10/2022 | 03:00:00 - 03:15:00 | 10 | 10 | 10 | 13 | 10 | 1.4 | 147.7 | 1.6 | 82.7 | 988.5 |
| 04/10/2022 | 03:15:00 - 03:30:00 | 9 | 11 | 10 | 12 | 9 | 1.3 | 168.8 | 1.3 | 83.0 | 988.5 |
| 04/10/2022 | 03:30:00 - 03:45:00 | 9 | 12 | 10 | 13 | 8 | 1.3 | 139.4 | 1.2 | 84.4 | 988.5 |
| 04/10/2022 | 03:45:00 - 04:00:00 | 6 | 11 | 8 | 25 | 8 | 2.1 | 123.6 | 1.9 | 81.3 | 988.4 |
| 04/10/2022 | 04:00:00 - 04:15:00 | 5 | 6 | 6 | 24 | 5 | 1.9 | 125.3 | 2.0 | 79.9 | 988.4 |
| 04/10/2022 | 04:15:00 - 04:30:00 | 3 | 3 | 5 | 5 | 2 | 2.8 | 135.4 | 2.9 | 75.7 | 988.4 |
| 04/10/2022 | 04:30:00 - 04:45:00 | 2 | 2 | 4 | 3 | 1 | 2.7 | 150.4 | 3.9 | 69.8 | 988.4 |
| 04/10/2022 | 04:45:00 - 05:00:00 | 2 | 2 | 4 | 3 | 1 | 2.8 | 153.0 | 4.0 | 68.3 | 988.4 |
| 04/10/2022 | 05:00:00 - 05:15:00 | 1 | 2 | 4 | 2 | 0 | 2.8 | 152.8 | 4.1 | 68.0 | 988.4 |
| 04/10/2022 | 05:15:00 - 05:30:00 | 2 | 2 | 4 | 3 | 0 | 2.6 | 152.2 | 3.9 | 69.0 | 988.4 |
| 04/10/2022 | 05:30:00 - 05:45:00 | 2 | 2 | 4 | 3 | 0 | 2.4 | 154.4 | 3.6 | 70.1 | 988.5 |
| 04/10/2022 | 05:45:00 - 06:00:00 | 3 | 2 | 5 | 3 | 0 | 2.4 | 173.6 | 3.3 | 71.8 | 988.6 |
| 04/10/2022 | 06:00:00 - 06:15:00 | 2 | 2 | 4 | 3 | 0 | 2.5 | 161.9 | 3.1 | 72.5 | 988.6 |
| 04/10/2022 | 06:15:00 - 06:30:00 | 2 | 2 | 4 | 3 | 0 | 3.4 | 148.8 | 3.1 | 72.7 | 988.5 |
| 04/10/2022 | 06:30:00 - 06:45:00 | 2 | 2 | 4 | 3 | 0 | 2.9 | 147.8 | 3.5 | 71.3 | 988.5 |
| 04/10/2022 | 06:45:00 - 07:00:00 | 1 | 2 | 4 | 2 | 0 | 2.9 | 149.2 | 4.2 | 68.7 | 988.5 |
| 04/10/2022 | 07:00:00 - 07:15:00 | 1 | 2 | 3 | 2 | 0 | 2.9 | 161.9 | 4.8 | 66.3 | 988.5 |
| 04/10/2022 | 07:15:00 - 07:30:00 | 1 | 2 | 3 | 2 | 0 | 2.7 | 169.6 | 5.6 | 63.7 | 988.5 |
| 04/10/2022 | 07:30:00 - 07:45:00 | 1 | 1 | 3 | 2 | 0 | 2.4 | 162.9 | 6.5 | 61.0 | 988.6 |
| 04/10/2022 | 07:45:00 - 08:00:00 | 2 | 2 | 3 | 2 | 0 | 2.7 | 179.2 | 7.1 | 59.3 | 988.7 |
| 04/10/2022 | 08:00:00 - 08:15:00 | 1 | 1 | 3 | 2 | 0 | 3.9 | 145.7 | 7.6 | 58.2 | 988.5 |
| 04/10/2022 | 08:15:00 - 08:30:00 | 2 | 1 | 3 | 2 | 0 | 5.3 | 147.1 | 7.6 | 58.7 | 988.4 |
| 04/10/2022 | 08:30:00 - 08:45:00 | 2 | 1 | 3 | 2 | 0 | 5.5 | 139.6 | 7.9 | 58.9 | 988.3 |
| 04/10/2022 | 08:45:00 - 09:00:00 | 2 | 1 | 3 | 2 | 0 | 5.0 | 149.1 | 8.6 | 57.1 | 988.2 |
| 04/10/2022 | 09:00:00 - 09:15:00 | 2 | 1 | 3 | 2 | 0 | 5.8 | 142.5 | 8.9 | 57.7 | 988.2 |
| 04/10/2022 | 09:15:00 - 09:30:00 | 2 | 1 | 2 | 2 | 0 | 6.1 | 148.2 | 9.4 | 57.1 | 988.2 |
| 04/10/2022 | 09:30:00 - 09:45:00 | 2 | 0 | 2 | 2 | 0 | 4.3 | 155.8 | 10.0 | 55.9 | 988.1 |
| 04/10/2022 | 09:45:00 - 10:00:00 | 2 | 0 | 3 | 2 | 0 | 5.6 | 153.1 | 10.4 | 53.4 | 987.9 |
| 04/10/2022 | 10:00:00 - 10:15:00 | 2 | 0 | 2 | 2 | 0 | 6.2 | 145.7 | 10.7 | 52.0 | 987.7 |
| 04/10/2022 | 10:15:00 - 10:30:00 | 2 | 0 | 2 | 2 | 0 | 6.5 | 142.3 | 11.2 | 51.6 | 987.6 |
| 04/10/2022 | 10:30:00 - 10:45:00 | 2 | 0 | 2 | 2 | 0 | 9.0 | 143.6 | 11.1 | 52.2 | 987.2 |
| 04/10/2022 | 10:45:00 - 11:00:00 | 2 | 0 | 2 | 2 | 1 | 7.8 | 137.2 | 11.7 | 49.8 | 986.9 |
| 04/10/2022 | 11:00:00 - 11:15:00 | 2 | 0 | 2 | 2 | 1 | 6.3 | 147.3 | 12.4 | 49.1 | 986.6 |
| 04/10/2022 | 11:15:00 - 11:30:00 | 2 | 0 | 3 | 2 | 1 | 7.5 | 148.9 | 12.7 | 48.1 | 986.2 |
| 04/10/2022 | 11:30:00 - 11:45:00 | 3 | 0 | 2 | 2 | 2 | 9.3 | 144.7 | 12.8 | 48.3 | 985.8 |
| 04/10/2022 | 11:45:00 - 12:00:00 | 3 | 0 | 3 | 2 | 2 | 9.1 | 142.1 | 13.1 | 46.8 | 985.5 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 04/10/2022 | 12:00:00 - 12:15:00 | 3 | 0 | 3 | 3 | 2 | 9.0 | 141.5 | 13.4 | 45.6 | 985.1 |
| 04/10/2022 | 12:15:00 - 12:30:00 | 3 | 0 | 3 | 3 | 1 | 7.8 | 142.4 | 13.9 | 45.7 | 984.7 |
| 04/10/2022 | 12:30:00 - 12:45:00 | 3 | 0 | 3 | 3 | 1 | 8.8 | 149.1 | 14.1 | 44.9 | 984.3 |
| 04/10/2022 | 12:45:00 - 13:00:00 | 3 | 0 | 3 | 3 | 1 | 9.4 | 146.2 | 14.7 | 43.4 | 983.8 |
| 04/10/2022 | 13:00:00 - 13:15:00 | 3 | 0 | 3 | 3 | 2 | 9.2 | 141.6 | 15.2 | 42.1 | 983.3 |
| 04/10/2022 | 13:15:00 - 13:30:00 | 4 | 0 | 3 | 3 | 2 | 8.1 | 149.6 | 15.8 | 40.8 | 982.9 |
| 04/10/2022 | 13:30:00 - 13:45:00 | 4 | 0 | 3 | 3 | 2 | 9.5 | 146.1 | 16.0 | 39.9 | 982.4 |
| 04/10/2022 | 13:45:00 - 14:00:00 | 4 | 0 | 3 | 3 | 1 | 10.0 | 147.4 | 16.4 | 39.2 | 982.0 |
| 04/10/2022 | 14:00:00 - 14:15:00 | 4 | 0 | 3 | 3 | 2 | 8.9 | 144.0 | 16.9 | 38.6 | 981.7 |
| 04/10/2022 | 14:15:00 - 14:30:00 | 4 | 0 | 3 | 3 | 1 | 8.3 | 142.3 | 17.4 | 38.4 | 981.3 |
| 04/10/2022 | 14:30:00 - 14:45:00 | 4 | 0 | 3 | 3 | 2 | 7.5 | 148.8 | 17.9 | 37.8 | 981.1 |
| 04/10/2022 | 14:45:00 - 15:00:00 | 4 | 0 | 3 | 3 | 1 | 8.8 | 150.0 | 18.1 | 37.8 | 980.9 |
| 04/10/2022 | 15:00:00 - 15:15:00 | 4 | 0 | 2 | 3 | 1 | 8.9 | 142.5 | 18.1 | 38.4 | 980.6 |
| 04/10/2022 | 15:15:00 - 15:30:00 | 4 | 0 | 3 | 3 | 1 | 6.2 | 157.4 | 18.6 | 38.3 | 980.4 |
| 04/10/2022 | 15:30:00 - 15:45:00 | 4 | 0 | 2 | 3 | 1 | 8.0 | 152.1 | 18.6 | 38.8 | 980.2 |
| 04/10/2022 | 15:45:00 - 16:00:00 | 4 | 0 | 3 | 3 | 2 | 6.7 | 163.4 | 18.8 | 38.8 | 980.0 |
| 04/10/2022 | 16:00:00 - 16:15:00 | 4 | 0 | 3 | 3 | 2 | 7.7 | 153.6 | 18.7 | 39.2 | 979.6 |
| 04/10/2022 | 16:15:00 - 16:30:00 | 4 | 0 | 3 | 3 | 2 | 7.8 | 146.3 | 19.1 | 39.1 | 979.3 |
| 04/10/2022 | 16:30:00 - 16:45:00 | 4 | 0 | 3 | 3 | 2 | 8.0 | 147.7 | 19.0 | 39.4 | 979.0 |
| 04/10/2022 | 16:45:00 - 17:00:00 | 4 | 0 | 3 | 3 | 2 | 6.1 | 158.1 | 19.2 | 39.2 | 978.8 |
| 04/10/2022 | 17:00:00 - 17:15:00 | 4 | 0 | 3 | 3 | 2 | 8.0 | 148.8 | 18.8 | 40.5 | 978.6 |
| 04/10/2022 | 17:15:00 - 17:30:00 | 4 | 0 | 3 | 3 | 2 | 8.7 | 145.8 | 18.7 | 41.2 | 978.2 |
| 04/10/2022 | 17:30:00 - 17:45:00 | 5 | 0 | 3 | 3 | 2 | 8.3 | 147.5 | 18.5 | 41.7 | 978.0 |
| 04/10/2022 | 17:45:00 - 18:00:00 | 4 | 0 | 3 | 3 | 2 | 7.9 | 148.0 | 18.3 | 42.7 | 977.8 |
| 04/10/2022 | 18:00:00 - 18:15:00 | 4 | 0 | 3 | 3 | 2 | 8.8 | 145.1 | 18.2 | 43.7 | 977.5 |
| 04/10/2022 | 18:15:00 - 18:30:00 | 4 | 0 | 3 | 3 | 2 | 6.0 | 153.5 | 18.2 | 44.0 | 977.5 |
| 04/10/2022 | 18:30:00 - 18:45:00 | 4 | 0 | 3 | 3 | 2 | 6.8 | 144.4 | 18.0 | 44.7 | 977.4 |
| 04/10/2022 | 18:45:00 - 19:00:00 | 4 | 0 | 3 | 3 | 2 | 6.0 | 147.7 | 17.7 | 45.5 | 977.4 |
| 04/10/2022 | 19:00:00 - 19:15:00 | 4 | 0 | 3 | 3 | 2 | 4.5 | 156.9 | 17.3 | 46.7 | 977.7 |
| 04/10/2022 | 19:15:00 - 19:30:00 | 4 | 0 | 3 | 3 | 2 | 4.3 | 148.5 | 16.9 | 48.4 | 977.8 |
| 04/10/2022 | 19:30:00 - 19:45:00 | 4 | 2 | 3 | 3 | 2 | 2.9 | 157.7 | 16.6 | 49.0 | 978.2 |
| 04/10/2022 | 19:45:00 - 20:00:00 | 4 | 1 | 3 | 3 | 2 | 3.1 | 161.2 | 16.5 | 49.5 | 978.5 |
| 04/10/2022 | 20:00:00 - 20:15:00 | 4 | 0 | 3 | 3 | 2 | 3.6 | 162.9 | 16.4 | 50.0 | 978.7 |
| 04/10/2022 | 20:15:00 - 20:30:00 | 4 | Offline | 3 | 3 | 2 | 3.5 | 168.8 | 16.4 | 50.1 | 978.9 |
| 04/10/2022 | 20:30:00 - 20:45:00 | 4 | Offline | 3 | 3 | 2 | 3.0 | 165.5 | 16.2 | 51.3 | 979.3 |
| 04/10/2022 | 20:45:00 - 21:00:00 | 4 | Offline | 3 | 3 | 2 | 2.9 | 158.0 | 16.0 | 52.5 | 979.5 |
| 04/10/2022 | 21:00:00 - 21:15:00 | 4 | Offline | 3 | 3 | 2 | 3.6 | 154.5 | 15.9 | 53.0 | 979.4 |
| 04/10/2022 | 21:15:00 - 21:30:00 | 4 | Offline | 3 | 3 | 2 | 3.5 | 157.8 | 15.8 | 53.5 | 979.4 |
| 04/10/2022 | 21:30:00 - 21:45:00 | 4 | Offline | 3 | 3 | 2 | 2.8 | 165.8 | 15.7 | 54.1 | 979.4 |
| 04/10/2022 | 21:45:00 - 22:00:00 | 4 | Offline | 3 | 3 | 2 | 3.7 | 157.0 | 15.6 | 55.0 | 979.3 |
| 04/10/2022 | 22:00:00 - 22:15:00 | 4 | Offline | 4 | 3 | 2 | 3.3 | 164.3 | 15.5 | 56.0 | 979.2 |
| 04/10/2022 | 22:15:00 - 22:30:00 | 4 | Offline | 4 | 3 | 2 | 2.5 | 170.2 | 15.2 | 57.8 | 979.2 |
| 04/10/2022 | 22:30:00 - 22:45:00 | 4 | Offline | 4 | 3 | 2 | 2.5 | 162.8 | 15.2 | 59.0 | 979.1 |
| 04/10/2022 | 22:45:00 - 23:00:00 | 4 | Offline | 4 | 3 | 2 | 3.1 | 163.6 | 15.4 | 59.0 | 978.9 |
| 04/10/2022 | 23:00:00 - 23:15:00 | 4 | Offline | 4 | 4 | 2 | 2.6 | 171.3 | 15.6 | 59.0 | 978.7 |
| 04/10/2022 | 23:15:00 - 23:30:00 | 4 | Offline | 3 | 3 | 2 | 2.0 | 170.1 | 15.9 | 58.5 | 978.6 |
| 04/10/2022 | 23:30:00 - 23:45:00 | 4 | Offline | 4 | 3 | 2 | 1.9 | 173.9 | 15.9 | 59.0 | 978.5 |
| 04/11/2022 | 23:45:00 - 00:00:00 | 4 | Offline | 4 | 4 | 3 | 1.8 | 185.2 | 16.0 | 60.0 | 978.4 |
| 04/11/2022 | 00:00:00 - 00:15:00 | 4 | Offline | 4 | 4 | 3 | 3.3 | 191.8 | 16.5 | 59.1 | 978.4 |
| 04/11/2022 | 00:15:00 - 00:30:00 | 4 | Offline | 4 | 4 | 3 | 3.0 | 192.5 | 16.9 | 57.6 | 978.3 |
| 04/11/2022 | 00:30:00 - 00:45:00 | 4 | Offline | 4 | 4 | 3 | 3.3 | 194.3 | 16.9 | 58.0 | 978.3 |
| 04/11/2022 | 00:45:00 - 01:00:00 | 5 | Offline | 4 | 4 | 3 | 3.9 | 199.2 | 17.1 | 58.7 | 978.5 |
| 04/11/2022 | 01:00:00 - 01:15:00 | 6 | Offline | 4 | 5 | 4 | 4.9 | 208.6 | 17.7 | 57.9 | 978.5 |
| 04/11/2022 | 01:15:00 - 01:30:00 | 6 | Offline | 5 | 5 | 4 | 6.8 | 208.4 | 18.4 | 57.0 | 978.4 |
| 04/11/2022 | 01:30:00 - 01:45:00 | 6 | Offline | 5 | 5 | 5 | 6.6 | 211.8 | 18.5 | 57.3 | 978.5 |
| 04/11/2022 | 01:45:00 - 02:00:00 | 6 | Offline | 5 | 5 | 5 | 6.9 | 211.5 | 18.3 | 58.4 | 978.6 |
| 04/11/2022 | 02:00:00 - 02:15:00 | 6 | Offline | 5 | 5 | 5 | 5.6 | 217.1 | 18.0 | 60.4 | 978.4 |
| 04/11/2022 | 02:15:00 - 02:30:00 | 6 | Offline | 5 | 5 | 5 | 6.3 | 220.5 | 17.7 | 62.0 | 978.3 |
| 04/11/2022 | 02:30:00 - 02:45:00 | 6 | Offline | 5 | 5 | 4 | 5.4 | 224.9 | 17.5 | 63.9 | 978.4 |
| 04/11/2022 | 02:45:00 - 03:00:00 | 6 | Offline | 5 | 5 | 5 | 4.8 | 220.0 | 17.3 | 65.0 | 978.8 |
| 04/11/2022 | 03:00:00 - 03:15:00 | 6 | Offline | 5 | 5 | 5 | 3.6 | 250.9 | 17.2 | 66.0 | 979.1 |
| 04/11/2022 | 03:15:00 - 03:30:00 | 6 | Offline | 5 | 5 | 4 | 3.0 | 248.0 | 16.9 | 67.1 | 979.4 |
| 04/11/2022 | 03:30:00 - 03:45:00 | 6 | Offline | 5 | 5 | 4 | 2.8 | 267.1 | 16.6 | 68.8 | 979.6 |
| 04/11/2022 | 03:45:00 - 04:00:00 | 6 | Offline | 4 | 5 | 4 | 3.6 | 266.5 | 16.6 | 69.1 | 980.0 |
| 04/11/2022 | 04:00:00 - 04:15:00 | 6 | Offline | 4 | 5 | 4 | 4.5 | 273.5 | 16.6 | 69.8 | 980.4 |
| 04/11/2022 | 04:15:00 - 04:30:00 | 6 | Offline | 5 | 5 | 4 | 5.0 | 288.5 | 16.4 | 70.8 | 980.4 |
| 04/11/2022 | 04:30:00 - 04:45:00 | 7 | Offline | 5 | 5 | 5 | 5.2 | 296.4 | 15.8 | 70.0 | 980.9 |
| 04/11/2022 | 04:45:00 - 05:00:00 | 7 | Offline | 6 | 6 | 6 | 4.0 | 314.0 | 15.2 | 68.6 | 980.9 |
| 04/11/2022 | 05:00:00 - 05:15:00 | 9 | Offline | 7 | 8 | 8 | 3.1 | 303.7 | 15.0 | 60.6 | 981.0 |
| 04/11/2022 | 05:15:00 - 05:30:00 | 11 | Offline | 8 | 9 | 9 | 2.5 | 290.5 | 14.8 | 55.9 | 981.4 |
| 04/11/2022 | 05:30:00 - 05:45:00 | 11 | Offline | 9 | 9 | 9 | 2.3 | 323.6 | 14.5 | 54.5 | 981.5 |
| 04/11/2022 | 05:45:00 - 06:00:00 | 12 | Offline | 9 | 9 | 10 | 1.2 | 314.0 | 14.1 | 54.0 | 981.5 |
| 04/11/2022 | 06:00:00 - 06:15:00 | 12 | Offline | 9 | 9 | 11 | 1.3 | 187.2 | 13.6 | 55.1 | 981.7 |
| 04/11/2022 | 06:15:00 - 06:30:00 | 17 | Offline | 13 | 9 | 10 | 1.7 | 302.8 | 13.4 | 57.3 | 982.4 |
| 04/11/2022 | 06:30:00 - 06:45:00 | 12 | Offline | 10 | 10 | 11 | 1.0 | 323.0 | 12.9 | 61.4 | 982.6 |
| 04/11/2022 | 06:45:00 - 07:00:00 | 12 | Offline | 10 | 10 | 10 | 1.3 | 306.8 | 12.9 | 61.7 | 982.8 |
| 04/11/2022 | 07:00:00 - 07:15:00 | 11 | Offline | 9 | 9 | 9 | 2.6 | 291.8 | 13.3 | 64.8 | 983.3 |
| 04/11/2022 | 07:15:00 - 07:30:00 | 11 | Offline | 9 | 9 | 9 | 2.6 | 285.5 | 13.6 | 63.9 | 983.6 |
| 04/11/2022 | 07:30:00 - 07:45:00 | 12 | Offline | 10 | 9 | 10 | 5.4 | 287.7 | 13.7 | 58.3 | 984.6 |
| 04/11/2022 | 07:45:00 - 08:00:00 | 11 | 10 | 9 | 9 | 10 | 5.4 | 303.9 | 13.2 | 58.9 | 985.0 |
| 04/11/2022 | 08:00:00 - 08:15:00 | 12 | 9 | 9 | 9 | 10 | 4.9 | 300.3 | 12.9 | 59.9 | 985.3 |
| 04/11/2022 | 08:15:00 - 08:30:00 | 11 | 9 | 9 | 9 | 10 | 4.8 | 303.9 | 12.9 | 58.9 | 985.1 |
| 04/11/2022 | 08:30:00 - 08:45:00 | 12 | 8 | 10 | 9 | 10 | 3.9 | 304.6 | 13.2 | 57.7 | 985.2 |
| 04/11/2022 | 08:45:00 - 09:00:00 | 11 | 6 | 8 | 8 | 9 | 4.5 | 294.2 | 13.5 | 54.1 | 985.2 |
| 04/11/2022 | 09:00:00 - 09:15:00 | 9 | 5 | 8 | 7 | 7 | 3.1 | 309.7 | 13.6 | 51.4 | 984.7 |
| 04/11/2022 | 09:15:00 - 09:30:00 | 9 | 4 | 7 | 6 | 7 | 2.8 | 341.2 | 13.8 | 50.5 | 983.6 |
| 04/11/2022 | 09:30:00 - 09:45:00 | 10 | 5 | 8 | 7 | 8 | 4.2 | 340.8 | 14.0 | 51.4 | 983.4 |
| 04/11/2022 | 09:45:00 - 10:00:00 | 8 | 4 | 6 | 6 | 6 | 5.4 | 348.8 | 14.1 | 48.8 | 983.0 |
| 04/11/2022 | 10:00:00 - 10:15:00 | 8 | 3 | 6 | 6 | 6 | 4.6 | 329.1 | 14.5 | 47.9 | 984.0 |
| 04/11/2022 | 10:15:00 - 10:30:00 | 9 | 3 | 7 | 5 | 5 | 4.3 | 313.8 | 14.7 | 48.0 | 984.7 |
| 04/11/2022 | 10:30:00 - 10:45:00 | 8 | 3 | 6 | 5 | 5 | 3.1 | 326.7 | 14.5 | 48.3 | 985.0 |
| 04/11/2022 | 10:45:00 - 11:00:00 | 7 | 2 | 6 | 5 | 5 | 3.0 | 329.0 | 14.9 | 47.4 | 985.3 |
| 04/11/2022 | 11:00:00 - 11:15:00 | 6 | 2 | 4 | 151 | 5 | 0.8 | 34.0 | 15.0 | 45.5 | 985.5 |
| 04/11/2022 | 11:15:00 - 11:30:00 | 6 | 1 | 4 | 5 | 4 | 1.7 | 86.0 | 15.4 | 44.7 | 985.7 |
| 04/11/2022 | 11:30:00 - 11:45:00 | 6 | 1 | 4 | 5 | 5 | 1.2 | 141.1 | 16.0 | 43.5 | 985.6 |
| 04/11/2022 | 11:45:00 - 12:00:00 | 7 | 1 | 5 | 4 | 3 | 2.1 | 256.7 | 16.3 | 41.6 | 985.9 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 04/11/2022 | 12:00:00 - 12:15:00 | 7 | 1 | 5 | 4 | 2 | 2.1 | 222.7 | 16.4 | 41.1 | 985.8 |
| 04/11/2022 | 12:15:00 - 12:30:00 | 5 | 1 | 4 | 4 | 2 | 1.7 | 152.7 | 17.0 | 40.3 | 985.6 |
| 04/11/2022 | 12:30:00 - 12:45:00 | 5 | 1 | 3 | 4 | 2 | 0.9 | 219.1 | 17.2 | 39.9 | 985.3 |
| 04/11/2022 | 12:45:00 - 13:00:00 | 5 | 1 | 3 | 3 | 1 | 1.4 | 293.3 | 17.2 | 38.9 | 985.2 |
| 04/11/2022 | 13:00:00 - 13:15:00 | 5 | 0 | 3 | 4 | 2 | 2.0 | 272.4 | 17.2 | 40.2 | 985.1 |
| 04/11/2022 | 13:15:00 - 13:30:00 | 5 | 1 | 3 | 4 | 2 | 3.0 | 287.7 | 16.7 | 41.9 | 985.4 |
| 04/11/2022 | 13:30:00 - 13:45:00 | 9 | 1 | 6 | 4 | 2 | 3.5 | 295.5 | 16.4 | 43.3 | 985.6 |
| 04/11/2022 | 13:45:00 - 14:00:00 | 7 | 1 | 4 | 4 | 2 | 2.5 | 298.4 | 16.4 | 43.5 | 985.5 |
| 04/11/2022 | 14:00:00 - 14:15:00 | 7 | 1 | 5 | 4 | 2 | 3.8 | 301.3 | 16.4 | 45.1 | 985.5 |
| 04/11/2022 | 14:15:00 - 14:30:00 | 7 | 2 | 4 | 4 | 3 | 4.3 | 315.6 | 16.0 | 46.8 | 985.5 |
| 04/11/2022 | 14:30:00 - 14:45:00 | 8 | 1 | 5 | 4 | 3 | 5.7 | 322.8 | 15.4 | 49.3 | 985.3 |
| 04/11/2022 | 14:45:00 - 15:00:00 | 8 | 1 | 6 | 4 | 3 | 4.8 | 328.0 | 14.8 | 51.2 | 985.3 |
| 04/11/2022 | 15:00:00 - 15:15:00 | 6 | 1 | 4 | 4 | 3 | 4.4 | 322.3 | 14.7 | 51.6 | 985.5 |
| 04/11/2022 | 15:15:00 - 15:30:00 | 6 | 1 | 5 | 4 | 3 | 4.5 | 328.5 | 14.5 | 53.7 | 985.6 |
| 04/11/2022 | 15:30:00 - 15:45:00 | 6 | 2 | 5 | 5 | 4 | 4.7 | 320.3 | 14.5 | 55.2 | 985.9 |
| 04/11/2022 | 15:45:00 - 16:00:00 | 7 | 1 | 5 | 4 | 4 | 4.3 | 318.3 | 14.4 | 54.9 | 985.8 |
| 04/11/2022 | 16:00:00 - 16:15:00 | 6 | 1 | 4 | 4 | 3 | 4.6 | 302.9 | 14.4 | 53.4 | 985.7 |
| 04/11/2022 | 16:15:00 - 16:30:00 | 6 | 2 | 4 | 4 | 3 | 4.6 | 322.8 | 14.4 | 53.7 | 985.8 |
| 04/11/2022 | 16:30:00 - 16:45:00 | 6 | 2 | 4 | 4 | 3 | 4.3 | 316.4 | 14.5 | 54.1 | 985.9 |
| 04/11/2022 | 16:45:00 - 17:00:00 | 6 | 2 | 4 | 4 | 3 | 4.3 | 316.2 | 14.6 | 53.8 | 986.2 |
| 04/11/2022 | 17:00:00 - 17:15:00 | 6 | 2 | 4 | 4 | 3 | 4.5 | 305.9 | 14.7 | 51.6 | 986.2 |
| 04/11/2022 | 17:15:00 - 17:30:00 | 5 | 1 | 4 | 4 | 3 | 3.9 | 302.2 | 14.6 | 50.2 | 986.2 |
| 04/11/2022 | 17:30:00 - 17:45:00 | 5 | 1 | 4 | 4 | 3 | 3.2 | 309.4 | 14.6 | 51.0 | 986.2 |
| 04/11/2022 | 17:45:00 - 18:00:00 | 6 | 1 | 4 | 4 | 3 | 3.0 | 311.6 | 14.6 | 50.5 | 986.2 |
| 04/11/2022 | 18:00:00 - 18:15:00 | 6 | 2 | 4 | 4 | 3 | 2.7 | 317.1 | 14.4 | 50.1 | 986.2 |
| 04/11/2022 | 18:15:00 - 18:30:00 | 7 | 2 | 5 | 4 | 3 | 2.4 | 319.7 | 14.3 | 50.6 | 986.1 |
| 04/11/2022 | 18:30:00 - 18:45:00 | 6 | 2 | 4 | 4 | 3 | 1.7 | 302.3 | 14.2 | 49.0 | 985.8 |
| 04/11/2022 | 18:45:00 - 19:00:00 | 6 | 2 | 5 | 5 | 4 | 1.6 | 320.1 | 14.1 | 50.7 | 985.7 |
| 04/11/2022 | 19:00:00 - 19:15:00 | 6 | 2 | 5 | 5 | 4 | 1.4 | 289.6 | 13.9 | 51.6 | 985.8 |
| 04/11/2022 | 19:15:00 - 19:30:00 | 7 | 3 | 5 | 6 | 4 | 1.3 | 291.9 | 13.7 | 51.2 | 986.0 |
| 04/11/2022 | 19:30:00 - 19:45:00 | 10 | 3 | 7 | 7 | 7 | 1.1 | 302.7 | 13.5 | 51.9 | 986.2 |
| 04/11/2022 | 19:45:00 - 20:00:00 | 8 | 4 | 6 | 6 | 6 | 0.9 | 263.7 | 13.4 | 51.4 | 986.4 |
| 04/11/2022 | 20:00:00 - 20:15:00 | 8 | 4 | 7 | 7 | 6 | 1.2 | 320.0 | 13.3 | 51.7 | 986.7 |
| 04/11/2022 | 20:15:00 - 20:30:00 | 8 | 4 | 7 | 7 | 7 | 2.2 | 327.5 | 13.3 | 51.6 | 986.9 |
| 04/11/2022 | 20:30:00 - 20:45:00 | 8 | 4 | 6 | 6 | 6 | 2.1 | 312.9 | 13.4 | 50.1 | 987.2 |
| 04/11/2022 | 20:45:00 - 21:00:00 | 7 | 3 | 5 | 5 | 4 | 1.9 | 312.3 | 13.3 | 50.0 | 987.3 |
| 04/11/2022 | 21:00:00 - 21:15:00 | 7 | 4 | 6 | 6 | 5 | 1.5 | 313.7 | 13.2 | 51.0 | 987.5 |
| 04/11/2022 | 21:15:00 - 21:30:00 | 7 | 4 | 6 | 6 | 5 | 1.6 | 288.6 | 13.1 | 51.1 | 987.8 |
| 04/11/2022 | 21:30:00 - 21:45:00 | 6 | 3 | 5 | 5 | 4 | 1.4 | 301.8 | 13.0 | 52.8 | 988.0 |
| 04/11/2022 | 21:45:00 - 22:00:00 | 7 | 4 | 6 | 6 | 5 | 1.3 | 310.8 | 13.0 | 53.6 | 988.2 |
| 04/11/2022 | 22:00:00 - 22:15:00 | 7 | 5 | 6 | 6 | 5 | 1.0 | 328.3 | 12.7 | 55.5 | 988.3 |
| 04/11/2022 | 22:15:00 - 22:30:00 | 9 | 9 | 8 | 7 | 6 | 0.7 | 36.0 | 12.3 | 56.4 | 988.0 |
| 04/11/2022 | 22:30:00 - 22:45:00 | 12 | 8 | 9 | 14 | 10 | 0.1 | 18.9 | 11.5 | 58.7 | 988.2 |
| 04/11/2022 | 22:45:00 - 23:00:00 | 11 | 9 | 9 | 12 | 13 | 0.6 | 117.8 | 10.7 | 62.2 | 988.1 |
| 04/11/2022 | 23:00:00 - 23:15:00 | 10 | 8 | 8 | 10 | 8 | 0.9 | 73.5 | 10.4 | 63.2 | 988.0 |
| 04/11/2022 | 23:15:00 - 23:30:00 | 9 | 9 | 7 | 10 | 8 | 1.4 | 78.4 | 9.8 | 66.5 | 987.9 |
| 04/11/2022 | 23:30:00 - 23:45:00 | 11 | 17 | 9 | 12 | 9 | 0.8 | 23.4 | 9.3 | 69.6 | 987.9 |
| 04/11/2022 | 23:45:00 - 00:00:00 | 20 | 28 | 16 | 16 | 15 | 0.6 | 14.9 | 8.5 | 72.9 | 988.0 |
| 04/12/2022 | 00:00:00 - 00:15:00 | 15 | 10 | 13 | 10 | 12 | 0.7 | 32.1 | 8.0 | 74.3 | 988.1 |
| 04/12/2022 | 00:15:00 - 00:30:00 | 12 | 12 | 11 | 12 | 12 | 0.3 | 139.0 | 7.6 | 75.7 | 988.3 |
| 04/12/2022 | 00:30:00 - 00:45:00 | 13 | 13 | 11 | 12 | 11 | 0.8 | 268.1 | 7.4 | 77.3 | 988.8 |
| 04/12/2022 | 00:45:00 - 01:00:00 | 13 | 10 | 11 | 10 | 10 | 0.5 | 333.9 | 7.2 | 78.5 | 989.2 |
| 04/12/2022 | 01:00:00 - 01:15:00 | 11 | 9 | 10 | 10 | 9 | 0.3 | 112.4 | 6.7 | 79.5 | 989.5 |
| 04/12/2022 | 01:15:00 - 01:30:00 | 17 | 16 | 14 | 12 | 12 | 1.0 | 98.5 | 6.5 | 81.2 | 989.4 |
| 04/12/2022 | 01:30:00 - 01:45:00 | 21 | 26 | 18 | 17 | 20 | 0.1 | 95.4 | 6.4 | 82.4 | 989.4 |
| 04/12/2022 | 01:45:00 - 02:00:00 | 20 | 17 | 17 | 16 | 19 | 0.7 | 95.9 | 5.7 | 84.1 | 989.3 |
| 04/12/2022 | 02:00:00 - 02:15:00 | 21 | 18 | 18 | 17 | 17 | 1.1 | 90.0 | 5.4 | 86.4 | 989.1 |
| 04/12/2022 | 02:15:00 - 02:30:00 | 16 | 12 | 14 | 22 | 19 | 1.0 | 83.8 | 5.7 | 86.0 | 989.1 |
| 04/12/2022 | 02:30:00 - 02:45:00 | 17 | 19 | 15 | 14 | 21 | 0.9 | 98.9 | 5.4 | 86.6 | 988.9 |
| 04/12/2022 | 02:45:00 - 03:00:00 | 14 | 11 | 12 | 16 | 15 | 0.4 | 157.9 | 5.3 | 87.0 | 989.0 |
| 04/12/2022 | 03:00:00 - 03:15:00 | 14 | 15 | 13 | 12 | 13 | 0.4 | 110.4 | 4.8 | 88.4 | 989.0 |
| 04/12/2022 | 03:15:00 - 03:30:00 | 11 | 11 | 11 | 11 | 10 | 0.4 | 77.9 | 4.9 | 89.7 | 989.1 |
| 04/12/2022 | 03:30:00 - 03:45:00 | 12 | 10 | 11 | 12 | 10 | 1.1 | 64.9 | 4.7 | 89.9 | 989.1 |
| 04/12/2022 | 03:45:00 - 04:00:00 | 12 | 10 | 11 | 11 | 9 | 1.3 | 83.4 | 4.6 | 89.5 | 989.1 |
| 04/12/2022 | 04:00:00 - 04:15:00 | 12 | 13 | 11 | 11 | 9 | 1.4 | 73.8 | 4.2 | 90.7 | 989.0 |
| 04/12/2022 | 04:15:00 - 04:30:00 | 11 | 10 | 10 | 11 | 10 | 0.8 | 63.1 | 4.4 | 91.0 | 989.1 |
| 04/12/2022 | 04:30:00 - 04:45:00 | 11 | 9 | 10 | 11 | 10 | 1.0 | 49.3 | 4.5 | 90.7 | 989.1 |
| 04/12/2022 | 04:45:00 - 05:00:00 | 11 | 9 | 10 | 11 | 9 | 0.7 | 39.5 | 4.5 | 90.5 | 989.1 |
| 04/12/2022 | 05:00:00 - 05:15:00 | 11 | 10 | 10 | 11 | 9 | 1.0 | 73.0 | 4.2 | 91.1 | 989.2 |
| 04/12/2022 | 05:15:00 - 05:30:00 | 10 | 9 | 10 | 11 | 10 | 1.4 | 60.1 | 4.3 | 92.3 | 989.2 |
| 04/12/2022 | 05:30:00 - 05:45:00 | 11 | 11 | 11 | 13 | 10 | 1.6 | 77.4 | 4.3 | 92.1 | 989.1 |
| 04/12/2022 | 05:45:00 - 06:00:00 | 12 | 11 | 11 | 17 | 12 | 3.1 | 88.4 | 5.3 | 91.7 | 989.1 |
| 04/12/2022 | 06:00:00 - 06:15:00 | 12 | 10 | 12 | 14 | 11 | 3.5 | 96.0 | 7.4 | 83.8 | 989.2 |
| 04/12/2022 | 06:15:00 - 06:30:00 | 11 | 10 | 11 | 14 | 17 | 3.3 | 93.9 | 7.6 | 81.8 | 989.1 |
| 04/12/2022 | 06:30:00 - 06:45:00 | 11 | 9 | 10 | 12 | 10 | 3.8 | 91.8 | 8.1 | 79.6 | 989.0 |
| 04/12/2022 | 06:45:00 - 07:00:00 | 11 | 9 | 10 | 11 | 15 | 5.1 | 93.6 | 8.9 | 76.6 | 989.1 |
| 04/12/2022 | 07:00:00 - 07:15:00 | 11 | 9 | 10 | 12 | 10 | 4.0 | 109.5 | 9.3 | 76.8 | 989.2 |
| 04/12/2022 | 07:15:00 - 07:30:00 | 10 | 8 | 9 | 11 | 11 | 4.9 | 117.6 | 9.8 | 74.6 | 989.3 |
| 04/12/2022 | 07:30:00 - 07:45:00 | 9 | 7 | 8 | 10 | 12 | 5.6 | 105.4 | 10.3 | 72.8 | 989.3 |
| 04/12/2022 | 07:45:00 - 08:00:00 | 8 | 6 | 7 | 8 | 7 | 6.4 | 107.7 | 11.0 | 69.4 | 989.2 |
| 04/12/2022 | 08:00:00 - 08:15:00 | 8 | 5 | 7 | 9 | 6 | 4.9 | 114.9 | 11.6 | 69.0 | 989.1 |
| 04/12/2022 | 08:15:00 - 08:30:00 | 8 | 4 | 7 | 7 | 6 | 4.9 | 111.7 | 12.4 | 68.7 | 988.8 |
| 04/12/2022 | 08:30:00 - 08:45:00 | 8 | 5 | 7 | 7 | 7 | 5.5 | 121.8 | 13.1 | 69.0 | 988.7 |
| 04/12/2022 | 08:45:00 - 09:00:00 | 7 | 4 | 6 | 7 | 7 | 5.6 | 129.5 | 13.3 | 68.9 | 988.6 |
| 04/12/2022 | 09:00:00 - 09:15:00 | 7 | 4 | 6 | 7 | 8 | 6.2 | 117.0 | 14.0 | 67.4 | 988.4 |
| 04/12/2022 | 09:15:00 - 09:30:00 | 7 | 3 | 6 | 6 | 8 | 6.0 | 137.6 | 14.3 | 68.7 | 988.3 |
| 04/12/2022 | 09:30:00 - 09:45:00 | 6 | 2 | 5 | 6 | 5 | 5.5 | 144.9 | 15.3 | 68.8 | 988.3 |
| 04/12/2022 | 09:45:00 - 10:00:00 | 7 | 2 | 5 | 7 | 10 | 6.6 | 139.9 | 15.4 | 72.2 | 988.2 |
| 04/12/2022 | 10:00:00 - 10:15:00 | 6 | 2 | 5 | 7 | 6 | 6.2 | 138.5 | 15.9 | 73.5 | 988.2 |
| 04/12/2022 | 10:15:00 - 10:30:00 | 6 | 2 | 5 | 6 | 5 | 6.9 | 140.8 | 16.4 | 73.9 | 988.1 |
| 04/12/2022 | 10:30:00 - 10:45:00 | 6 | 1 | 4 | 6 | 4 | 7.1 | 142.0 | 17.0 | 74.6 | 988.0 |
| 04/12/2022 | 10:45:00 - 11:00:00 | 7 | 2 | 4 | 8 | 5 | 6.9 | 149.2 | 17.7 | 73.5 | 987.8 |
| 04/12/2022 | 11:00:00 - 11:15:00 | 7 | 1 | 5 | 8 | 6 | 5.1 | 153.0 | 18.2 | 72.6 | 987.8 |
| 04/12/2022 | 11:15:00 - 11:30:00 | 7 | 1 | 4 | 5 | 3 | 5.4 | 152.9 | 18.7 | 71.2 | 987.6 |
| 04/12/2022 | 11:30:00 - 11:45:00 | 5 | 0 | 3 | 5 | 1 | 5.2 | 155.9 | 19.3 | 69.0 | 987.4 |
| 04/12/2022 | 11:45:00 - 12:00:00 | 6 | 1 | 3 | 7 | 3 | 5.6 | 154.4 | 18.9 | 71.0 | 987.1 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 04/12/2022 | 12:00:00 - 12:15:00 | 6 | 1 | 3 | 6 | 2 | 4.2 | 164.4 | 18.8 | 72.3 | 987.0 |
| 04/12/2022 | 12:15:00 - 12:30:00 | 6 | 1 | 4 | 7 | 5 | 4.8 | 159.6 | 18.7 | 72.8 | 987.0 |
| 04/12/2022 | 12:30:00 - 12:45:00 | 6 | 1 | 4 | 6 | 3 | 4.5 | 161.0 | 18.8 | 73.1 | 986.9 |
| 04/12/2022 | 12:45:00 - 13:00:00 | 6 | 1 | 4 | 6 | 3 | 4.8 | 156.0 | 18.5 | 74.5 | 986.9 |
| 04/12/2022 | 13:00:00 - 13:15:00 | 7 | 1 | 4 | 6 | 3 | 3.5 | 172.9 | 18.4 | 76.1 | 986.9 |
| 04/12/2022 | 13:15:00 - 13:30:00 | 7 | 2 | 4 | 8 | 4 | 4.8 | 158.7 | 18.2 | 78.0 | 986.6 |
| 04/12/2022 | 13:30:00 - 13:45:00 | 8 | 2 | 5 | 7 | 5 | 5.2 | 150.6 | 18.2 | 79.2 | 986.4 |
| 04/12/2022 | 13:45:00 - 14:00:00 | 9 | 3 | 5 | 8 | 6 | 4.1 | 155.0 | 18.0 | 80.5 | 986.3 |
| 04/12/2022 | 14:00:00 - 14:15:00 | 9 | 3 | 6 | 9 | 6 | 4.3 | 152.2 | 17.8 | 82.0 | 986.2 |
| 04/12/2022 | 14:15:00 - 14:30:00 | 10 | 4 | 7 | 10 | 10 | 6.0 | 149.2 | 17.7 | 83.7 | 985.9 |
| 04/12/2022 | 14:30:00 - 14:45:00 | 13 | 5 | 9 | 11 | 10 | 3.6 | 164.4 | 17.8 | 84.8 | 985.6 |
| 04/12/2022 | 14:45:00 - 15:00:00 | 12 | 5 | 8 | 10 | 10 | 5.2 | 146.9 | 17.6 | 85.6 | 985.4 |
| 04/12/2022 | 15:00:00 - 15:15:00 | 13 | 6 | 9 | 11 | 10 | 4.6 | 145.0 | 17.5 | 87.0 | 985.1 |
| 04/12/2022 | 15:15:00 - 15:30:00 | 14 | 7 | 10 | 12 | 11 | 4.1 | 159.7 | 17.5 | 87.4 | 984.9 |
| 04/12/2022 | 15:30:00 - 15:45:00 | 14 | 7 | 10 | 12 | 11 | 5.1 | 146.6 | 17.5 | 88.3 | 984.5 |
| 04/12/2022 | 15:45:00 - 16:00:00 | 15 | 8 | 11 | 12 | 12 | 5.5 | 143.4 | 17.4 | 89.1 | 984.1 |
| 04/12/2022 | 16:00:00 - 16:15:00 | 17 | 9 | 12 | 14 | 14 | 5.0 | 148.9 | 17.2 | 90.7 | 983.8 |
| 04/12/2022 | 16:15:00 - 16:30:00 | 18 | 10 | 13 | 15 | 15 | 3.6 | 147.5 | 17.4 | 90.5 | 983.6 |
| 04/12/2022 | 16:30:00 - 16:45:00 | 17 | 9 | 12 | 14 | 14 | 4.8 | 147.2 | 17.5 | 90.1 | 983.2 |
| 04/12/2022 | 16:45:00 - 17:00:00 | 17 | 9 | 12 | 14 | 14 | 6.4 | 153.1 | 17.6 | 90.5 | 982.9 |
| 04/12/2022 | 17:00:00 - 17:15:00 | 17 | 9 | 12 | 14 | 14 | 4.9 | 147.0 | 17.7 | 90.2 | 982.9 |
| 04/12/2022 | 17:15:00 - 17:30:00 | 17 | 9 | 12 | 14 | 14 | 4.1 | 146.5 | 17.9 | 90.9 | 982.6 |
| 04/12/2022 | 17:30:00 - 17:45:00 | 17 | 9 | 12 | 14 | 14 | 3.3 | 164.6 | 18.1 | 91.0 | 982.6 |
| 04/12/2022 | 17:45:00 - 18:00:00 | 16 | 8 | 11 | 13 | 13 | 4.3 | 162.8 | 18.3 | 91.6 | 982.3 |
| 04/12/2022 | 18:00:00 - 18:15:00 | 14 | 7 | 10 | 11 | 11 | 4.1 | 163.1 | 18.5 | 91.9 | 982.0 |
| 04/12/2022 | 18:15:00 - 18:30:00 | 12 | 6 | 9 | 10 | 9 | 3.9 | 167.9 | 18.5 | 92.0 | 981.9 |
| 04/12/2022 | 18:30:00 - 18:45:00 | 12 | 5 | 8 | 10 | 9 | 4.6 | 159.3 | 18.5 | 92.0 | 981.7 |
| 04/12/2022 | 18:45:00 - 19:00:00 | 12 | 5 | 8 | 10 | 9 | 4.5 | 161.0 | 18.6 | 92.1 | 981.4 |
| 04/12/2022 | 19:00:00 - 19:15:00 | 12 | 5 | 8 | 9 | 8 | 4.5 | 159.6 | 18.6 | 92.0 | 981.2 |
| 04/12/2022 | 19:15:00 - 19:30:00 | 11 | 4 | 7 | 8 | 7 | 4.5 | 152.6 | 18.6 | 92.0 | 980.9 |
| 04/12/2022 | 19:30:00 - 19:45:00 | 10 | 4 | 7 | 7 | 7 | 4.5 | 161.2 | 18.7 | 91.9 | 980.8 |
| 04/12/2022 | 19:45:00 - 20:00:00 | 9 | 3 | 6 | 7 | 6 | 5.3 | 158.4 | 18.8 | 91.0 | 980.7 |
| 04/12/2022 | 20:00:00 - 20:15:00 | 9 | 3 | 6 | 7 | 6 | 3.5 | 174.3 | 19.0 | 90.1 | 980.6 |
| 04/12/2022 | 20:15:00 - 20:30:00 | 9 | 3 | 6 | 7 | 6 | 3.0 | 178.3 | 18.9 | 90.2 | 980.8 |
| 04/12/2022 | 20:30:00 - 20:45:00 | 9 | 3 | 6 | 7 | 6 | 5.1 | 163.8 | 18.8 | 91.0 | 980.7 |
| 04/12/2022 | 20:45:00 - 21:00:00 | 10 | 3 | 6 | 7 | 6 | 3.9 | 168.3 | 18.7 | 91.0 | 980.6 |
| 04/12/2022 | 21:00:00 - 21:15:00 | 10 | 4 | 7 | 8 | 7 | 3.0 | 173.1 | 18.6 | 91.2 | 980.6 |
| 04/12/2022 | 21:15:00 - 21:30:00 | 10 | 4 | 7 | 8 | 7 | 3.2 | 177.0 | 18.6 | 91.7 | 980.5 |
| 04/12/2022 | 21:30:00 - 21:45:00 | 11 | 4 | 7 | 8 | 7 | 3.2 | 170.2 | 18.6 | 92.0 | 980.2 |
| 04/12/2022 | 21:45:00 - 22:00:00 | 11 | 4 | 7 | 8 | 7 | 3.4 | 170.4 | 18.7 | 92.0 | 979.9 |
| 04/12/2022 | 22:00:00 - 22:15:00 | 11 | 4 | 7 | 8 | 7 | 2.8 | 178.5 | 18.8 | 92.0 | 979.7 |
| 04/12/2022 | 22:15:00 - 22:30:00 | 11 | 4 | 7 | 8 | 8 | 3.2 | 168.3 | 18.6 | 92.2 | 979.7 |
| 04/12/2022 | 22:30:00 - 22:45:00 | 11 | 4 | 7 | 8 | 8 | 3.1 | 166.8 | 18.6 | 92.4 | 979.7 |
| 04/12/2022 | 22:45:00 - 23:00:00 | 11 | 4 | 8 | 9 | 8 | 3.2 | 171.3 | 18.6 | 92.8 | 979.2 |
| 04/12/2022 | 23:00:00 - 23:15:00 | 11 | 4 | 8 | 9 | 8 | 2.7 | 172.1 | 18.5 | 92.1 | 978.7 |
| 04/12/2022 | 23:15:00 - 23:30:00 | 11 | 4 | 7 | 8 | 7 | 3.2 | 182.4 | 18.6 | 91.4 | 978.2 |
| 04/12/2022 | 23:30:00 - 23:45:00 | 10 | 4 | 7 | 8 | 7 | 3.8 | 179.5 | 18.9 | 89.6 | 977.6 |
| 04/13/2022 | 23:45:00 - 00:00:00 | 10 | 4 | 7 | 7 | 7 | 4.1 | 190.1 | 18.8 | 89.0 | 977.4 |
| 04/13/2022 | 00:00:00 - 00:15:00 | 10 | 3 | 7 | 7 | 7 | 3.0 | 164.2 | 12.0 | 95.0 | 975.1 |
| 04/13/2022 | 00:15:00 - 00:30:00 | 10 | 3 | 7 | 7 | 6 | 4.0 | 157.7 | 12.1 | 94.1 | 974.8 |
| 04/13/2022 | 00:30:00 - 00:45:00 | 10 | 3 | 7 | 7 | 7 | 3.1 | 161.7 | 12.2 | 93.9 | 974.7 |
| 04/13/2022 | 00:45:00 - 01:00:00 | 10 | 3 | 6 | 7 | 6 | 3.2 | 168.0 | 12.2 | 93.0 | 974.4 |
| 04/13/2022 | 01:00:00 - 01:15:00 | 10 | 3 | 7 | 7 | 7 | 3.3 | 156.4 | 12.1 | 93.6 | 974.1 |
| 04/13/2022 | 01:15:00 - 01:30:00 | 10 | 3 | 7 | 7 | 7 | 3.4 | 159.0 | 12.0 | 94.0 | 974.1 |
| 04/13/2022 | 01:30:00 - 01:45:00 | 10 | 3 | 7 | 7 | 7 | 2.4 | 171.3 | 11.8 | 94.7 | 974.0 |
| 04/13/2022 | 01:45:00 - 02:00:00 | 10 | 3 | 7 | 7 | 7 | 3.6 | 164.6 | 11.8 | 95.0 | 974.0 |
| 04/13/2022 | 02:00:00 - 02:15:00 | 10 | 3 | 7 | 7 | 7 | 3.5 | 166.7 | 11.8 | 95.0 | 973.7 |
| 04/13/2022 | 02:15:00 - 02:30:00 | 10 | 3 | 7 | 8 | 7 | 3.8 | 171.4 | 12.0 | 94.2 | 973.9 |
| 04/13/2022 | 02:30:00 - 02:45:00 | 10 | 4 | 7 | 8 | 7 | 3.3 | 168.7 | 12.0 | 94.0 | 973.8 |
| 04/13/2022 | 02:45:00 - 03:00:00 | 10 | 3 | 7 | 8 | 7 | 2.4 | 178.2 | 11.8 | 94.9 | 973.7 |
| 04/13/2022 | 03:00:00 - 03:15:00 | 11 | 4 | 7 | 8 | 7 | 3.8 | 191.4 | 11.4 | 96.6 | 973.8 |
| 04/13/2022 | 03:15:00 - 03:30:00 | 11 | 4 | 7 | 8 | 7 | 3.9 | 203.3 | 11.0 | 98.7 | 974.0 |
| 04/13/2022 | 03:30:00 - 03:45:00 | 11 | 4 | 7 | 8 | 7 | 5.8 | 212.4 | 11.1 | 99.8 | 974.6 |
| 04/13/2022 | 03:45:00 - 04:00:00 | 10 | 4 | 7 | 7 | 7 | 6.2 | 273.4 | 10.7 | 98.9 | 975.0 |
| 04/13/2022 | 04:00:00 - 04:15:00 | 11 | 4 | 7 | 8 | 7 | 7.6 | 291.8 | 9.9 | 98.0 | 975.2 |
| 04/13/2022 | 04:15:00 - 04:30:00 | 10 | 4 | 7 | 8 | 7 | 7.7 | 302.9 | 9.8 | 97.4 | 975.3 |
| 04/13/2022 | 04:30:00 - 04:45:00 | 10 | 4 | 7 | 8 | 7 | 8.1 | 323.0 | 9.7 | 95.6 | 974.8 |
| 04/13/2022 | 04:45:00 - 05:00:00 | 10 | 4 | 7 | 8 | 7 | 8.0 | 334.8 | 9.6 | 94.5 | 974.5 |
| 04/13/2022 | 05:00:00 - 05:15:00 | 10 | 4 | 7 | 8 | 7 | 5.3 | 307.1 | 9.5 | 93.5 | 975.0 |
| 04/13/2022 | 05:15:00 - 05:30:00 | 10 | 4 | 7 | 8 | 7 | 4.7 | 313.1 | 9.4 | 93.7 | 974.8 |
| 04/13/2022 | 05:30:00 - 05:45:00 | 10 | 4 | 7 | 8 | 7 | 5.4 | 307.8 | 9.2 | 92.5 | 975.2 |
| 04/13/2022 | 05:45:00 - 06:00:00 | 10 | 4 | 7 | 8 | 7 | 6.5 | 294.6 | 9.0 | 94.7 | 976.5 |
| 04/13/2022 | 06:00:00 - 06:15:00 | 11 | 4 | 7 | 8 | 7 | 7.0 | 285.3 | 8.3 | 96.7 | 977.8 |
| 04/13/2022 | 06:15:00 - 06:30:00 | 11 | 4 | 7 | 8 | 7 | 4.6 | 282.9 | 7.7 | 97.4 | 976.9 |
| 04/13/2022 | 06:30:00 - 06:45:00 | 11 | 4 | 7 | 8 | 7 | 4.7 | 288.9 | 7.3 | 98.1 | 976.7 |
| 04/13/2022 | 06:45:00 - 07:00:00 | 10 | 4 | 7 | 8 | 7 | 5.4 | 286.7 | 6.9 | 98.3 | 976.6 |
| 04/13/2022 | 07:00:00 - 07:15:00 | 11 | 4 | 7 | 9 | 7 | 4.8 | 282.0 | 6.8 | 98.3 | 977.0 |
| 04/13/2022 | 07:15:00 - 07:30:00 | 11 | 4 | 7 | 9 | 8 | 5.0 | 279.4 | 6.7 | 98.0 | 977.3 |
| 04/13/2022 | 07:30:00 - 07:45:00 | 10 | 4 | 7 | 8 | 7 | 4.1 | 269.9 | 6.6 | 98.0 | 977.1 |
| 04/13/2022 | 07:45:00 - 08:00:00 | 10 | 3 | 7 | 8 | 7 | 3.0 | 265.3 | 6.6 | 98.1 | 976.9 |
| 04/13/2022 | 08:00:00 - 08:15:00 | 10 | 4 | 7 | 8 | 7 | 2.6 | 247.4 | 6.7 | 98.8 | 976.7 |
| 04/13/2022 | 08:15:00 - 08:30:00 | 11 | 3 | 7 | 8 | 7 | 2.4 | 260.0 | 6.8 | 99.0 | 976.8 |
| 04/13/2022 | 08:30:00 - 08:45:00 | 11 | 3 | 7 | 8 | 6 | 2.1 | 230.3 | 6.7 | 98.7 | 976.1 |
| 04/13/2022 | 08:45:00 - 09:00:00 | Offline | 3 | Offline | 7 | 5 | 3.4 | 230.7 | 6.6 | 98.4 | 976.4 |
| 04/13/2022 | 09:00:00 - 09:15:00 | Offline | 2 | Offline | 7 | 4 | 3.5 | 213.4 | 6.6 | 98.1 | 976.7 |
| 04/13/2022 | 09:15:00 - 09:30:00 | Offline | 3 | Offline | 7 | 5 | 3.8 | 214.9 | 6.7 | 98.2 | 976.9 |
| 04/13/2022 | 09:30:00 - 09:45:00 | Offline | 3 | Offline | 7 | 6 | 5.0 | 263.9 | 6.8 | 98.0 | 976.9 |
| 04/13/2022 | 09:45:00 - 10:00:00 | 16 | 3 | 9 | 7 | 6 | 5.2 | 260.4 | 7.0 | 97.1 | 977.4 |
| 04/13/2022 | 10:00:00 - 10:15:00 | Offline | 3 | Offline | 7 | 6 | 4.8 | 256.6 | 7.1 | 96.3 | 977.5 |
| 04/13/2022 | 10:15:00 - 10:30:00 | Offline | 3 | Offline | 7 | 5 | 6.2 | 258.9 | 7.2 | 95.1 | 977.5 |
| 04/13/2022 | 10:30:00 - 10:45:00 | Offline | 3 | Offline | 7 | 5 | 4.8 | 250.3 | 7.6 | 93.8 | 977.4 |
| 04/13/2022 | 10:45:00 - 11:00:00 | 13 | 2 | 7 | 6 | 4 | 5.9 | 263.6 | 8.1 | 91.7 | 977.3 |
| 04/13/2022 | 11:00:00 - 11:15:00 | 10 | 2 | 6 | 6 | 4 | 5.1 | 252.3 | 9.1 | 88.1 | 977.3 |
| 04/13/2022 | 11:15:00 - 11:30:00 | 10 | 2 | 6 | 6 | 4 | 4.9 | 247.5 | 9.6 | 85.3 | 977.2 |
| 04/13/2022 | 11:30:00 - 11:45:00 | 9 | 2 | 6 | 6 | 4 | 5.7 | 260.5 | 10.0 | 82.9 | 977.2 |
| 04/13/2022 | 11:45:00 - 12:00:00 | 10 | 2 | 6 | 6 | 4 | 6.6 | 255.7 | 10.3 | 80.2 | 977.1 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 04/13/2022 | 12:00:00 - 12:15:00 | 10 | 2 | 6 | 6 | 5 | 5.3 | 241.7 | 10.6 | 79.1 | 976.9 |
| 04/13/2022 | 12:15:00 - 12:30:00 | 10 | 2 | 6 | 6 | 5 | 6.4 | 248.8 | 11.2 | 76.6 | 976.9 |
| 04/13/2022 | 12:30:00 - 12:45:00 | 9 | 2 | 6 | 6 | 4 | 6.2 | 253.5 | 11.5 | 74.6 | 976.7 |
| 04/13/2022 | 12:45:00 - 13:00:00 | 9 | 2 | 6 | 6 | 4 | 5.3 | 251.2 | 11.9 | 72.3 | 976.5 |
| 04/13/2022 | 13:00:00 - 13:15:00 | 8 | 1 | 5 | 5 | 3 | 6.2 | 254.6 | 12.2 | 69.1 | 976.4 |
| 04/13/2022 | 13:15:00 - 13:30:00 | 7 | 0 | 4 | 4 | 1 | 6.4 | 253.4 | 12.5 | 66.5 | 976.4 |
| 04/13/2022 | 13:30:00 - 13:45:00 | 7 | 1 | 4 | 4 | 2 | 5.5 | 260.7 | 12.9 | 64.8 | 976.3 |
| 04/13/2022 | 13:45:00 - 14:00:00 | 7 | 1 | 4 | 4 | 2 | 8.2 | 267.6 | 13.0 | 61.3 | 976.3 |
| 04/13/2022 | 14:00:00 - 14:15:00 | 8 | 0 | 4 | 4 | 3 | 6.0 | 259.0 | 13.5 | 60.1 | 976.1 |
| 04/13/2022 | 14:15:00 - 14:30:00 | 8 | 0 | 4 | 4 | 3 | 6.5 | 256.6 | 14.1 | 57.1 | 976.1 |
| 04/13/2022 | 14:30:00 - 14:45:00 | 7 | 0 | 4 | 4 | 2 | 5.7 | 254.2 | 14.1 | 57.4 | 976.1 |
| 04/13/2022 | 14:45:00 - 15:00:00 | 6 | 0 | 4 | 4 | 2 | 8.2 | 259.5 | 14.5 | 54.3 | 976.1 |
| 04/13/2022 | 15:00:00 - 15:15:00 | 6 | Offline | 4 | 3 | 1 | 7.5 | 260.3 | 13.9 | 55.3 | 976.1 |
| 04/13/2022 | 15:15:00 - 15:30:00 | 7 | Offline | 4 | 4 | 2 | 9.0 | 270.2 | 13.7 | 51.7 | 976.0 |
| 04/13/2022 | 15:30:00 - 15:45:00 | 7 | Offline | 4 | 4 | 2 | 8.9 | 265.0 | 13.9 | 51.9 | 976.0 |
| 04/13/2022 | 15:45:00 - 16:00:00 | 6 | Offline | 3 | 3 | 1 | 8.8 | 269.8 | 14.5 | 49.7 | 976.1 |
| 04/13/2022 | 16:00:00 - 16:15:00 | 6 | Offline | 4 | 3 | 1 | 8.8 | 266.9 | 14.3 | 50.0 | 976.1 |
| 04/13/2022 | 16:15:00 - 16:30:00 | 6 | Offline | 3 | 3 | 1 | 7.9 | 267.0 | 14.0 | 50.9 | 976.2 |
| 04/13/2022 | 16:30:00 - 16:45:00 | 5 | Offline | 3 | 2 | 0 | 6.8 | 270.9 | 13.8 | 51.2 | 976.4 |
| 04/13/2022 | 16:45:00 - 17:00:00 | 6 | Offline | 3 | 2 | 0 | 6.5 | 269.9 | 13.8 | 52.4 | 976.5 |
| 04/13/2022 | 17:00:00 - 17:15:00 | 5 | Offline | 3 | 2 | 0 | 6.3 | 262.7 | 13.8 | 52.0 | 976.6 |
| 04/13/2022 | 17:15:00 - 17:30:00 | 5 | Offline | 3 | 2 | 0 | 6.2 | 266.8 | 13.5 | 53.5 | 976.7 |
| 04/13/2022 | 17:30:00 - 17:45:00 | 5 | Offline | 3 | 2 | 0 | 6.3 | 269.3 | 13.4 | 54.6 | 976.9 |
| 04/13/2022 | 17:45:00 - 18:00:00 | 5 | Offline | 3 | 2 | 0 | 7.0 | 269.0 | 13.1 | 55.4 | 977.0 |
| 04/13/2022 | 18:00:00 - 18:15:00 | 5 | Offline | 3 | 2 | 0 | 7.9 | 284.1 | 12.9 | 55.6 | 977.4 |
| 04/13/2022 | 18:15:00 - 18:30:00 | 5 | Offline | 3 | 2 | 0 | 6.7 | 282.3 | 12.6 | 56.8 | 977.6 |
| 04/13/2022 | 18:30:00 - 18:45:00 | 5 | Offline | 3 | 2 | 0 | 5.8 | 278.3 | 12.3 | 57.8 | 977.7 |
| 04/13/2022 | 18:45:00 - 19:00:00 | 5 | Offline | 3 | 2 | 0 | 5.6 | 282.5 | 12.1 | 59.9 | 977.9 |
| 04/13/2022 | 19:00:00 - 19:15:00 | 6 | Offline | 3 | 3 | 0 | 4.7 | 284.8 | 11.9 | 61.6 | 978.0 |
| 04/13/2022 | 19:15:00 - 19:30:00 | 5 | Offline | 3 | 2 | 0 | 4.7 | 289.9 | 11.7 | 61.9 | 978.1 |
| 04/13/2022 | 19:30:00 - 19:45:00 | 4 | Offline | 2 | 1 | 0 | 4.9 | 286.6 | 11.6 | 60.5 | 978.2 |
| 04/13/2022 | 19:45:00 - 20:00:00 | 4 | Offline | 2 | 1 | 0 | 4.7 | 286.4 | 11.5 | 61.0 | 978.4 |
| 04/13/2022 | 20:00:00 - 20:15:00 | 4 | Offline | 2 | 1 | 0 | 5.4 | 284.8 | 11.3 | 61.0 | 978.5 |
| 04/13/2022 | 20:15:00 - 20:30:00 | 4 | Offline | 2 | 1 | 0 | 4.4 | 284.5 | 11.2 | 59.8 | 978.6 |
| 04/13/2022 | 20:30:00 - 20:45:00 | 4 | Offline | 3 | 2 | 0 | 4.7 | 274.7 | 10.9 | 60.3 | 978.7 |
| 04/13/2022 | 20:45:00 - 21:00:00 | 5 | Offline | 3 | 2 | 0 | 3.4 | 272.3 | 10.8 | 62.5 | 978.8 |
| 04/13/2022 | 21:00:00 - 21:15:00 | 4 | Offline | 3 | 2 | 0 | 4.3 | 273.8 | 10.7 | 63.3 | 978.8 |
| 04/13/2022 | 21:15:00 - 21:30:00 | 4 | Offline | 3 | 2 | 0 | 5.0 | 275.5 | 10.6 | 63.0 | 979.0 |
| 04/13/2022 | 21:30:00 - 21:45:00 | 4 | Offline | 3 | 2 | 0 | 3.5 | 281.9 | 10.4 | 64.1 | 978.9 |
| 04/13/2022 | 21:45:00 - 22:00:00 | 4 | Offline | 3 | 2 | 0 | 3.9 | 283.9 | 10.2 | 65.6 | 978.9 |
| 04/13/2022 | 22:00:00 - 22:15:00 | 5 | Offline | 4 | 3 | 0 | 4.2 | 273.2 | 10.0 | 67.0 | 979.0 |
| 04/13/2022 | 22:15:00 - 22:30:00 | 5 | Offline | 4 | 3 | 0 | 5.4 | 281.4 | 9.8 | 66.8 | 979.0 |
| 04/13/2022 | 22:30:00 - 22:45:00 | 5 | Offline | 4 | 3 | 0 | 7.1 | 280.9 | 9.5 | 66.7 | 978.9 |
| 04/13/2022 | 22:45:00 - 23:00:00 | 5 | Offline | 4 | 3 | 0 | 6.8 | 282.6 | 9.4 | 66.3 | 978.9 |
| 04/13/2022 | 23:00:00 - 23:15:00 | 6 | Offline | 4 | 4 | 0 | 6.8 | 284.2 | 9.1 | 67.4 | 978.8 |
| 04/13/2022 | 23:15:00 - 23:30:00 | 11 | Offline | 8 | 9 | 5 | 5.3 | 282.2 | 8.7 | 68.4 | 979.0 |
| 04/13/2022 | 23:30:00 - 23:45:00 | 13 | Offline | 10 | 11 | 8 | 6.8 | 281.7 | 8.4 | 68.5 | 979.1 |
| 04/14/2022 | 23:45:00 - 00:00:00 | 12 | Offline | 9 | 9 | 6 | 6.8 | 282.1 | 7.9 | 69.6 | 979.1 |
| 04/14/2022 | 00:00:00 - 00:15:00 | 9 | Offline | 6 | 6 | 3 | 5.7 | 285.1 | 7.4 | 70.8 | 979.2 |
| 04/14/2022 | 00:15:00 - 00:30:00 | 9 | Offline | 7 | 6 | 3 | 6.1 | 275.7 | 7.0 | 72.1 | 979.2 |
| 04/14/2022 | 00:30:00 - 00:45:00 | 9 | Offline | 7 | 7 | 4 | 5.8 | 273.5 | 6.7 | 70.2 | 979.2 |
| 04/14/2022 | 00:45:00 - 01:00:00 | 9 | Offline | 7 | 7 | 4 | 5.1 | 276.5 | 6.5 | 71.4 | 979.2 |
| 04/14/2022 | 01:00:00 - 01:15:00 | 9 | Offline | 7 | 7 | 4 | 5.0 | 282.8 | 6.4 | 71.9 | 979.2 |
| 04/14/2022 | 01:15:00 - 01:30:00 | 9 | Offline | 7 | 7 | 4 | 5.3 | 278.6 | 6.4 | 72.2 | 979.2 |
| 04/14/2022 | 01:30:00 - 01:45:00 | 9 | Offline | 7 | 7 | 4 | 6.0 | 280.2 | 6.5 | 72.3 | 979.1 |
| 04/14/2022 | 01:45:00 - 02:00:00 | 9 | Offline | 7 | 7 | 4 | 5.2 | 270.3 | 6.4 | 73.1 | 978.9 |
| 04/14/2022 | 02:00:00 - 02:15:00 | 9 | Offline | 7 | 7 | 4 | 6.2 | 272.2 | 6.4 | 73.5 | 978.9 |
| 04/14/2022 | 02:15:00 - 02:30:00 | 9 | Offline | 7 | 7 | 4 | 6.1 | 285.8 | 6.1 | 74.8 | 979.0 |
| 04/14/2022 | 02:30:00 - 02:45:00 | 9 | Offline | 7 | 7 | 4 | 7.2 | 277.5 | 5.5 | 79.3 | 979.0 |
| 04/14/2022 | 02:45:00 - 03:00:00 | 9 | Offline | 7 | 8 | 4 | 6.2 | 275.9 | 4.9 | 83.2 | 978.9 |
| 04/14/2022 | 03:00:00 - 03:15:00 | 9 | Offline | 8 | 8 | 4 | 6.4 | 270.1 | 5.0 | 82.7 | 978.8 |
| 04/14/2022 | 03:15:00 - 03:30:00 | 9 | Offline | 7 | 8 | 4 | 6.6 | 269.4 | 5.1 | 81.4 | 978.7 |
| 04/14/2022 | 03:30:00 - 03:45:00 | 9 | Offline | 7 | 7 | 4 | 6.6 | 274.4 | 5.3 | 80.0 | 978.6 |
| 04/14/2022 | 03:45:00 - 04:00:00 | 8 | Offline | 7 | 7 | 4 | 5.7 | 267.7 | 5.3 | 79.9 | 978.5 |
| 04/14/2022 | 04:00:00 - 04:15:00 | 8 | Offline | 7 | 7 | 4 | 6.1 | 263.5 | 5.3 | 80.5 | 978.4 |
| 04/14/2022 | 04:15:00 - 04:30:00 | 9 | Offline | 7 | 7 | 4 | 5.7 | 265.8 | 5.3 | 80.3 | 978.4 |
| 04/14/2022 | 04:30:00 - 04:45:00 | 8 | Offline | 7 | 7 | 4 | 4.5 | 256.7 | 5.3 | 80.0 | 978.3 |
| 04/14/2022 | 04:45:00 - 05:00:00 | 8 | Offline | 7 | 7 | 3 | 5.0 | 260.7 | 5.2 | 80.3 | 978.4 |
| 04/14/2022 | 05:00:00 - 05:15:00 | 8 | Offline | 7 | 7 | 4 | 5.7 | 260.7 | 4.8 | 81.5 | 978.2 |
| 04/14/2022 | 05:15:00 - 05:30:00 | 9 | Offline | 7 | 7 | 4 | 5.3 | 264.8 | 4.5 | 82.5 | 978.2 |
| 04/14/2022 | 05:30:00 - 05:45:00 | 9 | Offline | 8 | 8 | 4 | 4.8 | 258.8 | 4.6 | 82.0 | 978.1 |
| 04/14/2022 | 05:45:00 - 06:00:00 | 9 | Offline | 8 | 8 | 4 | 3.8 | 254.9 | 4.6 | 81.3 | 978.1 |
| 04/14/2022 | 06:00:00 - 06:15:00 | 9 | Offline | 8 | 8 | 4 | 4.9 | 256.7 | 4.4 | 81.0 | 978.0 |
| 04/14/2022 | 06:15:00 - 06:30:00 | 9 | Offline | 7 | 8 | 4 | 3.2 | 221.8 | 4.4 | 81.2 | 978.0 |
| 04/14/2022 | 06:30:00 - 06:45:00 | 9 | Offline | 7 | 8 | 4 | 3.7 | 221.4 | 4.0 | 83.6 | 978.1 |
| 04/14/2022 | 06:45:00 - 07:00:00 | 8 | Offline | 7 | 8 | 3 | 3.4 | 228.5 | 4.0 | 85.2 | 978.1 |
| 04/14/2022 | 07:00:00 - 07:15:00 | 8 | Offline | 7 | 8 | 3 | 3.3 | 223.0 | 4.3 | 84.1 | 978.1 |
| 04/14/2022 | 07:15:00 - 07:30:00 | 8 | Offline | 7 | 7 | 3 | 3.9 | 236.2 | 4.3 | 83.5 | 978.1 |
| 04/14/2022 | 07:30:00 - 07:45:00 | 7 | Offline | 6 | 7 | 2 | 4.6 | 247.8 | 4.6 | 81.7 | 978.1 |
| 04/14/2022 | 07:45:00 - 08:00:00 | 7 | Offline | 6 | 6 | 2 | 4.7 | 251.4 | 4.9 | 79.5 | 978.1 |
| 04/14/2022 | 08:00:00 - 08:15:00 | 7 | Offline | 6 | 5 | 2 | 5.2 | 258.2 | 5.2 | 75.7 | 978.0 |
| 04/14/2022 | 08:15:00 - 08:30:00 | 8 | Offline | 6 | 5 | 2 | 5.8 | 259.5 | 5.8 | 72.4 | 978.0 |
| 04/14/2022 | 08:30:00 - 08:45:00 | 8 | Offline | 6 | 5 | 2 | 7.3 | 270.9 | 6.4 | 67.4 | 977.9 |
| 04/14/2022 | 08:45:00 - 09:00:00 | 8 | 11 | 6 | 5 | 2 | 7.4 | 265.3 | 6.6 | 64.7 | 977.9 |
| 04/14/2022 | 09:00:00 - 09:15:00 | 8 | 13 | 6 | 5 | 2 | 9.7 | 272.3 | 6.6 | 62.4 | 977.9 |
| 04/14/2022 | 09:15:00 - 09:30:00 | 8 | 6 | 6 | 5 | 3 | 7.9 | 268.7 | 6.8 | 62.3 | 977.8 |
| 04/14/2022 | 09:30:00 - 09:45:00 | 8 | 5 | 6 | 5 | 3 | 8.9 | 271.7 | 6.5 | 60.9 | 977.8 |
| 04/14/2022 | 09:45:00 - 10:00:00 | 8 | 4 | 6 | 4 | 2 | 9.0 | 269.7 | 6.5 | 61.0 | 977.9 |
| 04/14/2022 | 10:00:00 - 10:15:00 | 8 | 3 | 5 | 4 | 3 | 8.3 | 281.0 | 6.8 | 58.6 | 978.0 |
| 04/14/2022 | 10:15:00 - 10:30:00 | 8 | 3 | 5 | 4 | 3 | 8.7 | 269.7 | 7.0 | 55.5 | 978.0 |
| 04/14/2022 | 10:30:00 - 10:45:00 | 7 | 2 | 5 | 4 | 3 | 11.3 | 270.9 | 6.5 | 56.1 | 978.1 |
| 04/14/2022 | 10:45:00 - 11:00:00 | 9 | 2 | 6 | 4 | 3 | 8.0 | 274.4 | 6.3 | 57.7 | 978.2 |
| 04/14/2022 | 11:00:00 - 11:15:00 | 9 | 2 | 6 | 4 | 2 | 7.6 | 271.8 | 6.6 | 57.2 | 978.2 |
| 04/14/2022 | 11:15:00 - 11:30:00 | 8 | 2 | 4 | 4 | 2 | 8.9 | 268.7 | 7.1 | 54.3 | 978.1 |
| 04/14/2022 | 11:30:00 - 11:45:00 | 10 | 1 | 6 | 3 | 2 | 9.4 | 275.3 | 7.2 | 52.8 | 978.1 |
| 04/14/2022 | 11:45:00 - 12:00:00 | 8 | 1 | 4 | 3 | 2 | 10.0 | 271.7 | 6.9 | 55.0 | 977.9 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 04/14/2022 | 12:00:00 - 12:15:00 | 7 | 1 | 4 | 3 | 1 | 8.8 | 263.7 | 7.2 | 55.2 | 977.9 |
| 04/14/2022 | 12:15:00 - 12:30:00 | 8 | 0 | 4 | 3 | 1 | 8.5 | 263.6 | 7.5 | 54.5 | 977.9 |
| 04/14/2022 | 12:30:00 - 12:45:00 | 8 | 0 | 4 | 3 | 1 | 8.9 | 271.0 | 7.7 | 54.8 | 978.0 |
| 04/14/2022 | 12:45:00 - 13:00:00 | 11 | 0 | 7 | 3 | 0 | 7.9 | 263.8 | 7.9 | 53.8 | 977.9 |
| 04/14/2022 | 13:00:00 - 13:15:00 | 7 | 0 | 3 | 2 | 0 | 8.7 | 268.4 | 7.5 | 57.2 | 978.1 |
| 04/14/2022 | 13:15:00 - 13:30:00 | 7 | 0 | 4 | 2 | 0 | 8.4 | 281.7 | 6.9 | 60.8 | 978.3 |
| 04/14/2022 | 13:30:00 - 13:45:00 | 8 | 0 | 4 | 2 | 0 | 9.1 | 274.3 | 6.0 | 67.9 | 978.5 |
| 04/14/2022 | 13:45:00 - 14:00:00 | 8 | 0 | 4 | 2 | 0 | 8.0 | 272.2 | 6.6 | 65.0 | 978.4 |
| 04/14/2022 | 14:00:00 - 14:15:00 | 6 | 0 | 3 | 2 | 0 | 8.8 | 267.5 | 6.9 | 63.2 | 978.3 |
| 04/14/2022 | 14:15:00 - 14:30:00 | 7 | 0 | 4 | 2 | 0 | 8.3 | 266.4 | 7.0 | 61.1 | 978.3 |
| 04/14/2022 | 14:30:00 - 14:45:00 | 7 | 0 | 4 | 2 | 0 | 7.6 | 267.1 | 7.3 | 58.2 | 978.3 |
| 04/14/2022 | 14:45:00 - 15:00:00 | 9 | 0 | 4 | 2 | 0 | 9.3 | 268.1 | 6.9 | 59.8 | 978.5 |
| 04/14/2022 | 15:00:00 - 15:15:00 | 6 | 0 | 3 | 2 | 0 | 9.2 | 268.9 | 6.7 | 62.1 | 978.7 |
| 04/14/2022 | 15:15:00 - 15:30:00 | 8 | 0 | 4 | 2 | 0 | 8.3 | 265.3 | 6.6 | 61.2 | 978.7 |
| 04/14/2022 | 15:30:00 - 15:45:00 | 6 | 0 | 3 | 2 | 0 | 8.5 | 267.5 | 6.6 | 62.0 | 978.8 |
| 04/14/2022 | 15:45:00 - 16:00:00 | 9 | 0 | 4 | 2 | 0 | 8.3 | 273.4 | 6.4 | 62.9 | 978.9 |
| 04/14/2022 | 16:00:00 - 16:15:00 | 6 | 0 | 3 | 2 | 0 | 8.0 | 268.7 | 6.2 | 63.9 | 979.0 |
| 04/14/2022 | 16:15:00 - 16:30:00 | 7 | 0 | 4 | 2 | 0 | 7.3 | 271.1 | 6.2 | 64.9 | 978.9 |
| 04/14/2022 | 16:30:00 - 16:45:00 | 6 | 0 | 3 | 2 | 0 | 7.0 | 270.5 | 6.0 | 67.8 | 979.0 |
| 04/14/2022 | 16:45:00 - 17:00:00 | 6 | 0 | 3 | 2 | 0 | 7.8 | 275.9 | 6.2 | 64.7 | 979.1 |
| 04/14/2022 | 17:00:00 - 17:15:00 | 6 | 0 | 3 | 2 | 0 | 7.3 | 274.8 | 6.4 | 64.3 | 979.1 |
| 04/14/2022 | 17:15:00 - 17:30:00 | 6 | 0 | 3 | 2 | 0 | 7.7 | 267.8 | 6.5 | 62.5 | 979.1 |
| 04/14/2022 | 17:30:00 - 17:45:00 | 6 | 0 | 3 | 2 | 0 | 7.5 | 269.9 | 6.6 | 62.8 | 979.2 |
| 04/14/2022 | 17:45:00 - 18:00:00 | 6 | 0 | 3 | 2 | 0 | 8.5 | 273.0 | 6.5 | 62.3 | 979.2 |
| 04/14/2022 | 18:00:00 - 18:15:00 | 5 | 0 | 3 | 2 | 0 | 8.1 | 268.5 | 6.4 | 63.2 | 979.3 |
| 04/14/2022 | 18:15:00 - 18:30:00 | 5 | 0 | 3 | 2 | 0 | 8.5 | 270.7 | 6.3 | 64.0 | 979.2 |
| 04/14/2022 | 18:30:00 - 18:45:00 | 5 | 0 | 3 | 2 | 0 | 8.3 | 270.6 | 6.2 | 64.7 | 979.3 |
| 04/14/2022 | 18:45:00 - 19:00:00 | 5 | 0 | 3 | 2 | 0 | 9.1 | 271.7 | 6.0 | 64.4 | 979.3 |
| 04/14/2022 | 19:00:00 - 19:15:00 | 5 | 0 | 3 | 2 | 0 | 6.4 | 264.0 | 5.9 | 66.0 | 979.2 |
| 04/14/2022 | 19:15:00 - 19:30:00 | 5 | 0 | 3 | 2 | 0 | 6.5 | 259.6 | 5.8 | 67.1 | 979.2 |
| 04/14/2022 | 19:30:00 - 19:45:00 | 5 | 1 | 3 | 2 | 0 | 5.1 | 258.0 | 5.7 | 67.7 | 979.2 |
| 04/14/2022 | 19:45:00 - 20:00:00 | 5 | 1 | 3 | 2 | 0 | 6.0 | 258.1 | 5.3 | 71.2 | 979.3 |
| 04/14/2022 | 20:00:00 - 20:15:00 | 5 | 1 | 3 | 2 | 0 | 7.4 | 264.8 | 5.0 | 74.1 | 979.3 |
| 04/14/2022 | 20:15:00 - 20:30:00 | 5 | 1 | 3 | 2 | 0 | 7.2 | 259.7 | 4.8 | 76.5 | 979.3 |
| 04/14/2022 | 20:30:00 - 20:45:00 | 5 | 1 | 3 | 2 | 0 | 7.3 | 255.5 | 4.7 | 78.8 | 979.3 |
| 04/14/2022 | 20:45:00 - 21:00:00 | 5 | 1 | 3 | 2 | 0 | 4.4 | 247.1 | 4.4 | 82.3 | 979.3 |
| 04/14/2022 | 21:00:00 - 21:15:00 | 5 | 1 | 3 | 2 | 0 | 4.6 | 255.9 | 4.3 | 85.2 | 979.4 |
| 04/14/2022 | 21:15:00 - 21:30:00 | 5 | 2 | 4 | 2 | 0 | 5.2 | 253.0 | 4.0 | 87.5 | 979.3 |
| 04/14/2022 | 21:30:00 - 21:45:00 | 5 | 1 | 3 | 2 | 0 | 6.2 | 254.7 | 3.8 | 88.9 | 979.3 |
| 04/14/2022 | 21:45:00 - 22:00:00 | 5 | 2 | 3 | 2 | 0 | 5.8 | 255.8 | 3.7 | 90.4 | 979.2 |
| 04/14/2022 | 22:00:00 - 22:15:00 | 6 | 2 | 4 | 3 | 0 | 6.1 | 260.3 | 3.4 | 91.6 | 979.1 |
| 04/14/2022 | 22:15:00 - 22:30:00 | 5 | 2 | 4 | 2 | 0 | 5.4 | 252.6 | 3.3 | 93.0 | 978.9 |
| 04/14/2022 | 22:30:00 - 22:45:00 | 5 | 2 | 3 | 2 | 0 | 5.1 | 251.8 | 3.1 | 93.8 | 978.8 |
| 04/14/2022 | 22:45:00 - 23:00:00 | 5 | 2 | 3 | 2 | 0 | 4.0 | 243.5 | 3.0 | 94.6 | 978.6 |
| 04/14/2022 | 23:00:00 - 23:15:00 | 5 | 2 | 3 | 2 | 0 | 5.4 | 252.9 | 2.9 | 95.3 | 978.5 |
| 04/14/2022 | 23:15:00 - 23:30:00 | 5 | 2 | 4 | 2 | 0 | 5.5 | 254.0 | 2.9 | 95.5 | 978.3 |
| 04/14/2022 | 23:30:00 - 23:45:00 | 5 | 2 | 3 | 2 | 0 | 4.4 | 257.4 | 3.1 | 95.8 | 978.1 |
| 04/14/2022 | 23:45:00 - 00:00:00 | 5 | 2 | 3 | 2 | 0 | 3.8 | 256.6 | 3.2 | 96.0 | 978.0 |
| 04/15/2022 | 00:00:00 - 00:15:00 | 5 | 2 | 4 | 2 | 0 | 4.6 | 257.0 | 3.4 | 95.9 | 977.9 |
| 04/15/2022 | 00:15:00 - 00:30:00 | 5 | 2 | 3 | 2 | 0 | 3.4 | 242.7 | 3.5 | 95.3 | 977.9 |
| 04/15/2022 | 00:30:00 - 00:45:00 | 5 | 2 | 3 | 2 | 0 | 4.5 | 256.4 | 3.5 | 95.0 | 977.8 |
| 04/15/2022 | 00:45:00 - 01:00:00 | 5 | 2 | 4 | 2 | 0 | 5.1 | 263.5 | 3.5 | 95.0 | 977.7 |
| 04/15/2022 | 01:00:00 - 01:15:00 | 5 | 2 | 4 | 2 | 0 | 5.4 | 261.3 | 3.4 | 95.0 | 977.6 |
| 04/15/2022 | 01:15:00 - 01:30:00 | 5 | 2 | 4 | 2 | 0 | 4.9 | 263.6 | 3.5 | 95.0 | 977.5 |
| 04/15/2022 | 01:30:00 - 01:45:00 | 5 | 2 | 4 | 2 | 0 | 4.7 | 266.4 | 3.5 | 94.1 | 977.5 |
| 04/15/2022 | 01:45:00 - 02:00:00 | 5 | 2 | 4 | 2 | 0 | 4.5 | 273.3 | 3.5 | 94.0 | 977.3 |
| 04/15/2022 | 02:00:00 - 02:15:00 | 5 | 2 | 4 | 2 | 0 | 4.5 | 272.0 | 3.5 | 93.2 | 977.2 |
| 04/15/2022 | 02:15:00 - 02:30:00 | 5 | 2 | 4 | 2 | 0 | 4.8 | 266.4 | 3.3 | 93.0 | 977.1 |
| 04/15/2022 | 02:30:00 - 02:45:00 | 5 | 2 | 4 | 3 | 0 | 4.9 | 273.6 | 3.2 | 92.0 | 977.1 |
| 04/15/2022 | 02:45:00 - 03:00:00 | 6 | 2 | 4 | 3 | 0 | 3.8 | 268.0 | 3.2 | 90.4 | 977.1 |
| 04/15/2022 | 03:00:00 - 03:15:00 | 5 | 2 | 4 | 3 | 0 | 3.9 | 242.6 | 3.1 | 90.6 | 977.1 |
| 04/15/2022 | 03:15:00 - 03:30:00 | 5 | 2 | 4 | 3 | 0 | 4.7 | 247.3 | 3.0 | 91.0 | 977.1 |
| 04/15/2022 | 03:30:00 - 03:45:00 | 5 | 2 | 4 | 3 | 0 | 3.6 | 255.5 | 2.8 | 91.0 | 977.1 |
| 04/15/2022 | 03:45:00 - 04:00:00 | 5 | 2 | 4 | 3 | 0 | 4.0 | 254.2 | 2.7 | 92.4 | 977.1 |
| 04/15/2022 | 04:00:00 - 04:15:00 | 5 | 2 | 4 | 3 | 0 | 4.6 | 254.9 | 2.6 | 91.6 | 977.0 |
| 04/15/2022 | 04:15:00 - 04:30:00 | 5 | 2 | 4 | 3 | 0 | 3.4 | 249.8 | 2.6 | 90.6 | 977.0 |
| 04/15/2022 | 04:30:00 - 04:45:00 | 6 | 2 | 4 | 3 | 0 | 2.6 | 255.9 | 2.6 | 89.5 | 977.0 |
| 04/15/2022 | 04:45:00 - 05:00:00 | 6 | 3 | 4 | 3 | 0 | 3.9 | 263.7 | 2.6 | 89.0 | 977.1 |
| 04/15/2022 | 05:00:00 - 05:15:00 | 6 | 3 | 4 | 3 | 0 | 3.4 | 269.3 | 2.4 | 90.5 | 977.2 |
| 04/15/2022 | 05:15:00 - 05:30:00 | 5 | 2 | 4 | 3 | 0 | 4.4 | 262.5 | 2.2 | 91.9 | 977.2 |
| 04/15/2022 | 05:30:00 - 05:45:00 | 5 | 2 | 4 | 3 | 0 | 3.7 | 279.3 | 2.1 | 92.6 | 977.3 |
| 04/15/2022 | 05:45:00 - 06:00:00 | 5 | 2 | 4 | 3 | 0 | 4.0 | 266.9 | 2.0 | 93.2 | 977.4 |
| 04/15/2022 | 06:00:00 - 06:15:00 | 6 | 2 | 4 | 3 | 1 | 4.5 | 258.5 | 2.0 | 94.0 | 977.5 |
| 04/15/2022 | 06:15:00 - 06:30:00 | 6 | 3 | 5 | 3 | 0 | 2.6 | 251.9 | 2.0 | 94.8 | 977.5 |
| 04/15/2022 | 06:30:00 - 06:45:00 | 6 | 2 | 4 | 3 | 0 | 3.5 | 256.1 | 1.8 | 95.8 | 977.6 |
| 04/15/2022 | 06:45:00 - 07:00:00 | 7 | 3 | 5 | 3 | 0 | 3.1 | 224.8 | 1.8 | 96.0 | 977.7 |
| 04/15/2022 | 07:00:00 - 07:15:00 | 7 | 4 | 5 | 4 | 1 | 2.8 | 251.9 | 1.9 | 96.1 | 977.9 |
| 04/15/2022 | 07:15:00 - 07:30:00 | 7 | 3 | 6 | 3 | 0 | 1.5 | 235.2 | 2.1 | 96.4 | 978.1 |
| 04/15/2022 | 07:30:00 - 07:45:00 | 6 | 2 | 4 | 3 | 0 | 3.0 | 242.2 | 2.1 | 95.8 | 978.2 |
| 04/15/2022 | 07:45:00 - 08:00:00 | 6 | 2 | 4 | 3 | 1 | 3.7 | 263.2 | 2.0 | 95.6 | 978.3 |
| 04/15/2022 | 08:00:00 - 08:15:00 | 6 | 2 | 4 | 3 | 1 | 3.0 | 267.2 | 1.7 | 95.9 | 978.4 |
| 04/15/2022 | 08:15:00 - 08:30:00 | 6 | 2 | 4 | 4 | 3 | 3.0 | 272.7 | 1.7 | 95.3 | 978.5 |
| 04/15/2022 | 08:30:00 - 08:45:00 | 6 | 1 | 4 | 3 | 2 | 4.5 | 290.6 | 2.0 | 94.6 | 978.6 |
| 04/15/2022 | 08:45:00 - 09:00:00 | 6 | 1 | 4 | 3 | 1 | 2.7 | 273.6 | 2.1 | 94.0 | 978.6 |
| 04/15/2022 | 09:00:00 - 09:15:00 | 6 | 0 | 4 | 2 | 1 | 4.5 | 295.1 | 2.5 | 91.5 | 978.7 |
| 04/15/2022 | 09:15:00 - 09:30:00 | 7 | 0 | 4 | 3 | 1 | 3.7 | 283.4 | 2.6 | 87.9 | 978.8 |
| 04/15/2022 | 09:30:00 - 09:45:00 | 6 | 0 | 3 | 5 | 1 | 4.6 | 267.3 | 2.4 | 87.9 | 979.0 |
| 04/15/2022 | 09:45:00 - 10:00:00 | 6 | 0 | 4 | 5 | 1 | 4.3 | 289.4 | 2.5 | 86.2 | 979.2 |
| 04/15/2022 | 10:00:00 - 10:15:00 | 7 | 0 | 3 | 3 | 0 | 3.4 | 271.1 | 3.2 | 83.0 | 979.3 |
| 04/15/2022 | 10:15:00 - 10:30:00 | 7 | 0 | 3 | 3 | 0 | 4.4 | 284.3 | 3.3 | 80.7 | 979.4 |
| 04/15/2022 | 10:30:00 - 10:45:00 | 7 | 0 | 5 | 3 | 1 | 4.4 | 290.3 | 3.6 | 79.5 | 979.6 |
| 04/15/2022 | 10:45:00 - 11:00:00 | 6 | 0 | 4 | 3 | 0 | 4.2 | 316.3 | 2.7 | 83.9 | 979.7 |
| 04/15/2022 | 11:00:00 - 11:15:00 | 7 | 0 | 3 | 3 | 0 | 2.7 | 307.0 | 3.4 | 81.7 | 979.7 |
| 04/15/2022 | 11:15:00 - 11:30:00 | 6 | 0 | 3 | 2 | 0 | 4.8 | 298.7 | 3.8 | 81.5 | 979.7 |
| 04/15/2022 | 11:30:00 - 11:45:00 | 8 | 0 | 5 | 2 | 0 | 4.7 | 291.8 | 3.4 | 84.5 | 979.8 |
| 04/15/2022 | 11:45:00 - 12:00:00 | 7 | 0 | 3 | 2 | 0 | 4.9 | 289.3 | 3.2 | 87.6 | 979.9 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 04/15/2022 | 12:00:00 - 12:15:00 | 7 | 1 | 3 | 2 | 0 | 2.0 | 277.3 | 3.1 | 90.1 | 979.9 |
| 04/15/2022 | 12:15:00 - 12:30:00 | 7 | 0 | 3 | 2 | 0 | 4.1 | 276.0 | 3.6 | 85.6 | 979.9 |
| 04/15/2022 | 12:30:00 - 12:45:00 | 7 | 1 | 3 | 2 | 0 | 4.8 | 294.5 | 3.8 | 83.5 | 980.0 |
| 04/15/2022 | 12:45:00 - 13:00:00 | 8 | 1 | 4 | 2 | 0 | 6.5 | 282.1 | 3.8 | 83.2 | 980.1 |
| 04/15/2022 | 13:00:00 - 13:15:00 | 9 | 1 | 4 | 3 | 0 | 6.2 | 284.1 | 3.6 | 82.8 | 980.2 |
| 04/15/2022 | 13:15:00 - 13:30:00 | 7 | 2 | 4 | 3 | 0 | 5.9 | 286.1 | 3.7 | 83.5 | 980.3 |
| 04/15/2022 | 13:30:00 - 13:45:00 | 10 | 0 | 4 | 3 | 0 | 6.1 | 290.5 | 3.9 | 83.0 | 980.4 |
| 04/15/2022 | 13:45:00 - 14:00:00 | 8 | 1 | 4 | 3 | 0 | 5.0 | 289.1 | 4.1 | 81.8 | 980.5 |
| 04/15/2022 | 14:00:00 - 14:15:00 | 8 | 1 | 3 | 3 | 0 | 6.6 | 286.9 | 4.2 | 81.8 | 980.6 |
| 04/15/2022 | 14:15:00 - 14:30:00 | 8 | 1 | 4 | 4 | 0 | 5.2 | 297.6 | 4.0 | 84.9 | 980.7 |
| 04/15/2022 | 14:30:00 - 14:45:00 | 7 | 1 | 3 | 3 | 0 | 4.8 | 292.7 | 3.8 | 86.6 | 980.7 |
| 04/15/2022 | 14:45:00 - 15:00:00 | 8 | 2 | 4 | 3 | 1 | 5.8 | 281.0 | 3.8 | 85.7 | 980.8 |
| 04/15/2022 | 15:00:00 - 15:15:00 | 9 | 1 | 4 | 3 | 0 | 5.9 | 284.0 | 3.9 | 84.0 | 980.9 |
| 04/15/2022 | 15:15:00 - 15:30:00 | 8 | 0 | 4 | 3 | 1 | 5.9 | 296.4 | 3.8 | 84.0 | 981.0 |
| 04/15/2022 | 15:30:00 - 15:45:00 | 9 | 0 | 4 | 3 | 1 | 5.4 | 292.4 | 3.8 | 83.7 | 981.0 |
| 04/15/2022 | 15:45:00 - 16:00:00 | 8 | 1 | 4 | 3 | 2 | 7.2 | 296.8 | 3.9 | 83.0 | 981.1 |
| 04/15/2022 | 16:00:00 - 16:15:00 | 9 | 1 | 4 | 4 | 2 | 5.8 | 289.4 | 3.8 | 85.4 | 981.3 |
| 04/15/2022 | 16:15:00 - 16:30:00 | 9 | 2 | 5 | 4 | 3 | 6.7 | 301.3 | 4.0 | 85.0 | 981.3 |
| 04/15/2022 | 16:30:00 - 16:45:00 | 9 | 1 | 5 | 4 | 3 | 6.8 | 296.9 | 3.8 | 87.2 | 981.4 |
| 04/15/2022 | 16:45:00 - 17:00:00 | 9 | 1 | 4 | 4 | 3 | 6.9 | 300.7 | 4.0 | 86.7 | 981.5 |
| 04/15/2022 | 17:00:00 - 17:15:00 | 8 | 1 | 4 | 4 | 3 | 5.8 | 290.1 | 3.7 | 88.5 | 981.6 |
| 04/15/2022 | 17:15:00 - 17:30:00 | 8 | 2 | 4 | 4 | 3 | 5.9 | 293.2 | 3.4 | 90.7 | 981.8 |
| 04/15/2022 | 17:30:00 - 17:45:00 | 8 | 2 | 5 | 4 | 3 | 6.3 | 293.7 | 3.6 | 89.0 | 981.9 |
| 04/15/2022 | 17:45:00 - 18:00:00 | 8 | 2 | 5 | 4 | 3 | 6.0 | 286.6 | 3.5 | 88.4 | 982.0 |
| 04/15/2022 | 18:00:00 - 18:15:00 | 8 | 2 | 5 | 4 | 3 | 5.7 | 302.5 | 2.8 | 91.4 | 982.2 |
| 04/15/2022 | 18:15:00 - 18:30:00 | 8 | 2 | 5 | 4 | 3 | 5.1 | 294.5 | 2.8 | 91.9 | 982.3 |
| 04/15/2022 | 18:30:00 - 18:45:00 | 8 | 3 | 5 | 4 | 3 | 5.3 | 285.6 | 2.7 | 91.5 | 982.4 |
| 04/15/2022 | 18:45:00 - 19:00:00 | 9 | 3 | 5 | 4 | 3 | 5.5 | 283.3 | 2.3 | 92.0 | 982.4 |
| 04/15/2022 | 19:00:00 - 19:15:00 | 8 | 3 | 5 | 5 | 3 | 5.2 | 295.1 | 2.5 | 92.1 | 982.5 |
| 04/15/2022 | 19:15:00 - 19:30:00 | 9 | 3 | 5 | 5 | 4 | 3.7 | 299.8 | 2.4 | 93.1 | 982.6 |
| 04/15/2022 | 19:30:00 - 19:45:00 | 9 | 3 | 6 | 5 | 4 | 4.4 | 304.3 | 2.2 | 92.4 | 982.7 |
| 04/15/2022 | 19:45:00 - 20:00:00 | 9 | 3 | 6 | 5 | 5 | 4.2 | 303.0 | 2.1 | 93.1 | 982.9 |
| 04/15/2022 | 20:00:00 - 20:15:00 | 9 | 4 | 6 | 5 | 4 | 3.3 | 287.3 | 2.1 | 94.2 | 983.1 |
| 04/15/2022 | 20:15:00 - 20:30:00 | 9 | 3 | 5 | 5 | 4 | 4.4 | 289.6 | 2.0 | 94.0 | 983.3 |
| 04/15/2022 | 20:30:00 - 20:45:00 | 9 | 3 | 6 | 5 | 4 | 5.2 | 296.3 | 1.8 | 94.3 | 983.4 |
| 04/15/2022 | 20:45:00 - 21:00:00 | 9 | 3 | 6 | 5 | 4 | 4.3 | 299.2 | 1.8 | 95.0 | 983.7 |
| 04/15/2022 | 21:00:00 - 21:15:00 | 8 | 3 | 5 | 5 | 3 | 3.5 | 310.4 | 1.8 | 95.2 | 983.7 |
| 04/15/2022 | 21:15:00 - 21:30:00 | 8 | 3 | 5 | 5 | 3 | 3.1 | 303.6 | 1.7 | 95.6 | 983.8 |
| 04/15/2022 | 21:30:00 - 21:45:00 | 8 | 2 | 5 | 4 | 2 | 2.6 | 293.3 | 1.7 | 96.0 | 983.8 |
| 04/15/2022 | 21:45:00 - 22:00:00 | 7 | 2 | 4 | 3 | 2 | 2.4 | 289.9 | 1.7 | 96.0 | 983.7 |
| 04/15/2022 | 22:00:00 - 22:15:00 | 7 | 2 | 4 | 3 | 1 | 2.0 | 285.9 | 1.8 | 96.0 | 983.6 |
| 04/15/2022 | 22:15:00 - 22:30:00 | 7 | 2 | 4 | 3 | 1 | 3.3 | 278.3 | 1.8 | 95.7 | 983.5 |
| 04/15/2022 | 22:30:00 - 22:45:00 | 7 | 2 | 4 | 3 | 1 | 3.4 | 281.2 | 1.7 | 95.0 | 983.6 |
| 04/15/2022 | 22:45:00 - 23:00:00 | 7 | 2 | 4 | 3 | 1 | 3.7 | 276.6 | 1.7 | 95.0 | 983.5 |
| 04/15/2022 | 23:00:00 - 23:15:00 | 7 | 3 | 4 | 4 | 1 | 4.8 | 274.0 | 1.4 | 95.4 | 983.5 |
| 04/15/2022 | 23:15:00 - 23:30:00 | 7 | 2 | 4 | 3 | 1 | 3.1 | 289.8 | 1.3 | 96.1 | 983.5 |
| 04/15/2022 | 23:30:00 - 23:45:00 | 7 | 3 | 5 | 4 | 1 | 4.3 | 288.1 | 1.3 | 96.0 | 983.3 |
| 04/16/2022 | 23:45:00 - 00:00:00 | 7 | 3 | 5 | 3 | 1 | 3.8 | 286.2 | 1.4 | 96.0 | 983.3 |
| 04/16/2022 | 00:00:00 - 00:15:00 | 6 | 2 | 4 | 3 | 1 | 3.5 | 279.7 | 1.3 | 96.0 | 983.2 |
| 04/16/2022 | 00:15:00 - 00:30:00 | 7 | 3 | 5 | 4 | 1 | 3.0 | 303.6 | 1.2 | 95.9 | 983.3 |
| 04/16/2022 | 00:30:00 - 00:45:00 | 8 | 4 | 5 | 5 | 3 | 3.3 | 311.4 | 0.6 | 96.1 | 983.3 |
| 04/16/2022 | 00:45:00 - 01:00:00 | 8 | 4 | 6 | 5 | 3 | 3.3 | 302.1 | 0.7 | 96.8 | 983.3 |
| 04/16/2022 | 01:00:00 - 01:15:00 | 8 | 4 | 6 | 5 | 3 | 2.9 | 296.4 | 0.7 | 97.0 | 983.3 |
| 04/16/2022 | 01:15:00 - 01:30:00 | 8 | 4 | 5 | 4 | 2 | 3.4 | 294.5 | 0.8 | 97.0 | 983.2 |
| 04/16/2022 | 01:30:00 - 01:45:00 | 7 | 4 | 5 | 4 | 2 | 3.7 | 295.7 | 0.9 | 97.0 | 983.1 |
| 04/16/2022 | 01:45:00 - 02:00:00 | 7 | 3 | 5 | 4 | 1 | 2.8 | 291.6 | 0.9 | 97.0 | 983.1 |
| 04/16/2022 | 02:00:00 - 02:15:00 | 7 | 3 | 5 | 4 | 1 | 2.8 | 276.3 | 0.9 | 97.0 | 983.1 |
| 04/16/2022 | 02:15:00 - 02:30:00 | 7 | 3 | 5 | 4 | 1 | 2.7 | 283.4 | 0.8 | 97.0 | 983.1 |
| 04/16/2022 | 02:30:00 - 02:45:00 | 7 | 3 | 5 | 4 | 1 | 2.2 | 260.4 | 0.7 | 97.0 | 983.1 |
| 04/16/2022 | 02:45:00 - 03:00:00 | 7 | 3 | 5 | 4 | 1 | 3.0 | 277.7 | 0.7 | 97.0 | 982.9 |
| 04/16/2022 | 03:00:00 - 03:15:00 | 7 | 3 | 5 | 4 | 1 | 3.5 | 272.9 | 0.8 | 97.3 | 982.8 |
| 04/16/2022 | 03:15:00 - 03:30:00 | 6 | 3 | 5 | 3 | 1 | 2.0 | 268.8 | 0.9 | 97.2 | 982.9 |
| 04/16/2022 | 03:30:00 - 03:45:00 | 6 | 3 | 5 | 4 | 1 | 1.9 | 298.0 | 1.0 | 96.9 | 983.0 |
| 04/16/2022 | 03:45:00 - 04:00:00 | 6 | 3 | 5 | 4 | 1 | 1.2 | 296.0 | 1.0 | 96.0 | 983.2 |
| 04/16/2022 | 04:00:00 - 04:15:00 | 6 | 3 | 5 | 4 | 1 | 1.1 | 299.6 | 1.0 | 95.5 | 983.2 |
| 04/16/2022 | 04:15:00 - 04:30:00 | 6 | 3 | 5 | 4 | 1 | 1.6 | 304.9 | 1.0 | 94.3 | 983.3 |
| 04/16/2022 | 04:30:00 - 04:45:00 | 6 | 3 | 5 | 4 | 1 | 1.7 | 285.8 | 1.0 | 92.7 | 983.3 |
| 04/16/2022 | 04:45:00 - 05:00:00 | 7 | 3 | 5 | 4 | 1 | 2.3 | 288.9 | 0.9 | 91.1 | 983.3 |
| 04/16/2022 | 05:00:00 - 05:15:00 | 7 | 4 | 5 | 4 | 1 | 2.3 | 266.5 | 0.9 | 91.6 | 983.4 |
| 04/16/2022 | 05:15:00 - 05:30:00 | 6 | 3 | 5 | 4 | 1 | 2.7 | 256.9 | 0.8 | 92.6 | 983.5 |
| 04/16/2022 | 05:30:00 - 05:45:00 | 7 | 3 | 5 | 4 | 1 | 2.9 | 270.4 | 0.7 | 93.9 | 983.6 |
| 04/16/2022 | 05:45:00 - 06:00:00 | 7 | 4 | 5 | 4 | 1 | 2.9 | 275.3 | 0.5 | 94.0 | 983.9 |
| 04/16/2022 | 06:00:00 - 06:15:00 | 7 | 4 | 6 | 4 | 2 | 3.2 | 273.9 | 0.4 | 93.2 | 983.9 |
| 04/16/2022 | 06:15:00 - 06:30:00 | 7 | 4 | 6 | 4 | 2 | 2.0 | 271.0 | 0.2 | 93.7 | 984.1 |
| 04/16/2022 | 06:30:00 - 06:45:00 | 6 | 3 | 5 | 4 | 1 | 1.9 | 269.8 | 0.2 | 94.0 | 984.3 |
| 04/16/2022 | 06:45:00 - 07:00:00 | 5 | 3 | 5 | 3 | 0 | 2.6 | 275.4 | 0.5 | 92.8 | 984.7 |
| 04/16/2022 | 07:00:00 - 07:15:00 | 6 | 3 | 5 | 3 | 0 | 3.3 | 284.8 | 0.8 | 91.0 | 985.0 |
| 04/16/2022 | 07:15:00 - 07:30:00 | 5 | 3 | 5 | 3 | 0 | 3.5 | 278.5 | 1.1 | 89.4 | 985.2 |
| 04/16/2022 | 07:30:00 - 07:45:00 | 5 | 3 | 5 | 3 | 0 | 2.9 | 287.6 | 1.5 | 87.1 | 985.1 |
| 04/16/2022 | 07:45:00 - 08:00:00 | 5 | 3 | 5 | 3 | 0 | 3.7 | 295.4 | 1.9 | 85.0 | 985.2 |
| 04/16/2022 | 08:00:00 - 08:15:00 | 5 | 3 | 4 | 3 | 0 | 3.6 | 300.1 | 2.2 | 83.0 | 985.2 |
| 04/16/2022 | 08:15:00 - 08:30:00 | 5 | 3 | 4 | 3 | 0 | 3.9 | 293.2 | 2.7 | 80.1 | 985.4 |
| 04/16/2022 | 08:30:00 - 08:45:00 | 5 | 2 | 4 | 3 | 0 | 4.7 | 294.1 | 3.0 | 77.5 | 985.5 |
| 04/16/2022 | 08:45:00 - 09:00:00 | 5 | 2 | 4 | 2 | 0 | 4.5 | 293.1 | 3.5 | 74.7 | 985.6 |
| 04/16/2022 | 09:00:00 - 09:15:00 | 5 | 2 | 4 | 2 | 0 | 5.9 | 293.4 | 3.9 | 73.2 | 985.7 |
| 04/16/2022 | 09:15:00 - 09:30:00 | 5 | 2 | 4 | 2 | 0 | 6.2 | 284.3 | 4.2 | 72.7 | 985.9 |
| 04/16/2022 | 09:30:00 - 09:45:00 | 5 | 1 | 3 | 2 | 0 | 6.6 | 295.2 | 4.6 | 70.8 | 986.1 |
| 04/16/2022 | 09:45:00 - 10:00:00 | 5 | 1 | 3 | 2 | 0 | 7.5 | 310.3 | 5.1 | 65.3 | 986.2 |
| 04/16/2022 | 10:00:00 - 10:15:00 | 5 | 0 | 3 | 2 | 0 | 7.7 | 317.6 | 5.4 | 63.6 | 986.2 |
| 04/16/2022 | 10:15:00 - 10:30:00 | 5 | 0 | 3 | 2 | 0 | 7.9 | 325.2 | 5.8 | 60.8 | 986.3 |
| 04/16/2022 | 10:30:00 - 10:45:00 | 5 | 0 | 3 | 2 | 0 | 5.8 | 318.1 | 6.3 | 59.1 | 986.4 |
| 04/16/2022 | 10:45:00 - 11:00:00 | 5 | 0 | 3 | 2 | 0 | 7.1 | 315.7 | 6.3 | 58.5 | 986.4 |
| 04/16/2022 | 11:00:00 - 11:15:00 | 5 | 0 | 3 | 2 | 0 | 6.8 | 303.6 | 6.5 | 57.6 | 986.5 |
| 04/16/2022 | 11:15:00 - 11:30:00 | 5 | 0 | 3 | 2 | 0 | 7.6 | 320.7 | 6.8 | 54.2 | 986.5 |
| 04/16/2022 | 11:30:00 - 11:45:00 | 5 | 0 | 3 | 2 | 0 | 6.7 | 313.7 | 6.6 | 54.4 | 986.5 |
| 04/16/2022 | 11:45:00 - 12:00:00 | 5 | 0 | 3 | 2 | 0 | 8.1 | 323.9 | 7.1 | 53.3 | 986.5 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 04/16/2022 | 12:00:00 - 12:15:00 | 6 | 0 | 4 | 3 | 1 | 7.0 | 304.3 | 7.4 | 51.6 | 986.5 |
| 04/16/2022 | 12:15:00 - 12:30:00 | 7 | 2 | 4 | 5 | 2 | 6.7 | 289.4 | 7.3 | 53.6 | 986.5 |
| 04/16/2022 | 12:30:00 - 12:45:00 | 5 | 0 | 3 | 3 | 0 | 7.4 | 298.5 | 7.2 | 55.3 | 986.5 |
| 04/16/2022 | 12:45:00 - 13:00:00 | 5 | 0 | 3 | 2 | 0 | 6.5 | 302.3 | 7.4 | 55.5 | 986.5 |
| 04/16/2022 | 13:00:00 - 13:15:00 | 5 | 0 | 3 | 2 | 0 | 5.8 | 290.2 | 7.4 | 58.4 | 986.5 |
| 04/16/2022 | 13:15:00 - 13:30:00 | 5 | 0 | 2 | 2 | 0 | 6.3 | 306.9 | 7.8 | 54.5 | 986.4 |
| 04/16/2022 | 13:30:00 - 13:45:00 | 5 | 0 | 3 | 2 | 0 | 6.8 | 305.7 | 7.7 | 54.9 | 986.5 |
| 04/16/2022 | 13:45:00 - 14:00:00 | 6 | 0 | 3 | 2 | 0 | 6.2 | 302.5 | 8.2 | 52.3 | 986.4 |
| 04/16/2022 | 14:00:00 - 14:15:00 | 6 | 0 | 3 | 2 | 0 | 5.4 | 303.0 | 8.5 | 52.2 | 986.5 |
| 04/16/2022 | 14:15:00 - 14:30:00 | 6 | 0 | 3 | 2 | 0 | 6.1 | 301.3 | 8.5 | 50.8 | 986.5 |
| 04/16/2022 | 14:30:00 - 14:45:00 | 6 | 0 | 3 | 2 | 0 | 5.7 | 304.8 | 8.4 | 51.1 | 986.4 |
| 04/16/2022 | 14:45:00 - 15:00:00 | 7 | 0 | 4 | 3 | 0 | 5.0 | 308.7 | 8.6 | 51.0 | 986.5 |
| 04/16/2022 | 15:00:00 - 15:15:00 | 7 | 0 | 3 | 3 | 0 | 4.9 | 286.3 | 8.6 | 51.2 | 986.5 |
| 04/16/2022 | 15:15:00 - 15:30:00 | 7 | 0 | 3 | 3 | 0 | 4.5 | 289.9 | 8.7 | 50.2 | 986.5 |
| 04/16/2022 | 15:30:00 - 15:45:00 | 6 | 0 | 3 | 2 | 0 | 5.3 | 286.0 | 8.9 | 48.5 | 986.5 |
| 04/16/2022 | 15:45:00 - 16:00:00 | 6 | 0 | 3 | 2 | 0 | 4.1 | 290.5 | 9.0 | 49.3 | 986.5 |
| 04/16/2022 | 16:00:00 - 16:15:00 | 6 | 0 | 3 | 2 | 0 | 5.2 | 297.3 | 9.3 | 48.1 | 986.4 |
| 04/16/2022 | 16:15:00 - 16:30:00 | 6 | 0 | 3 | 3 | 1 | 4.0 | 301.7 | 9.1 | 48.8 | 986.4 |
| 04/16/2022 | 16:30:00 - 16:45:00 | 6 | 0 | 4 | 3 | 1 | 4.8 | 328.6 | 9.7 | 48.1 | 986.3 |
| 04/16/2022 | 16:45:00 - 17:00:00 | 6 | 0 | 4 | 3 | 1 | 4.4 | 315.1 | 9.9 | 47.0 | 986.3 |
| 04/16/2022 | 17:00:00 - 17:15:00 | 7 | 1 | 4 | 3 | 1 | 4.9 | 294.6 | 10.1 | 45.9 | 986.4 |
| 04/16/2022 | 17:15:00 - 17:30:00 | 7 | 1 | 4 | 3 | 2 | 4.4 | 310.9 | 10.2 | 45.5 | 986.4 |
| 04/16/2022 | 17:30:00 - 17:45:00 | 8 | 2 | 5 | 4 | 3 | 4.5 | 310.5 | 10.1 | 44.7 | 986.4 |
| 04/16/2022 | 17:45:00 - 18:00:00 | 7 | 1 | 4 | 3 | 2 | 3.6 | 286.6 | 10.1 | 45.3 | 986.5 |
| 04/16/2022 | 18:00:00 - 18:15:00 | 7 | 1 | 4 | 3 | 1 | 3.4 | 316.5 | 9.8 | 46.2 | 986.5 |
| 04/16/2022 | 18:15:00 - 18:30:00 | 7 | 1 | 4 | 3 | 1 | 3.8 | 308.0 | 9.6 | 46.4 | 986.4 |
| 04/16/2022 | 18:30:00 - 18:45:00 | 7 | 2 | 4 | 3 | 2 | 3.3 | 319.5 | 9.5 | 46.6 | 986.4 |
| 04/16/2022 | 18:45:00 - 19:00:00 | 7 | 2 | 5 | 4 | 2 | 2.3 | 336.2 | 9.2 | 47.5 | 986.4 |
| 04/16/2022 | 19:00:00 - 19:15:00 | 7 | 2 | 5 | 4 | 1 | 1.4 | 348.8 | 8.8 | 49.0 | 986.4 |
| 04/16/2022 | 19:15:00 - 19:30:00 | 7 | 2 | 5 | 4 | 1 | 0.5 | 309.1 | 8.2 | 50.5 | 986.4 |
| 04/16/2022 | 19:30:00 - 19:45:00 | 7 | 3 | 5 | 4 | 2 | 0.9 | 266.9 | 7.9 | 50.6 | 986.4 |
| 04/16/2022 | 19:45:00 - 20:00:00 | 8 | 4 | 5 | 4 | 2 | 0.6 | 222.3 | 7.3 | 52.4 | 986.5 |
| 04/16/2022 | 20:00:00 - 20:15:00 | 8 | 4 | 6 | 5 | 3 | 0.6 | 192.7 | 6.7 | 55.4 | 986.7 |
| 04/16/2022 | 20:15:00 - 20:30:00 | 8 | 4 | 6 | 5 | 2 | 0.6 | 125.2 | 5.9 | 58.8 | 986.8 |
| 04/16/2022 | 20:30:00 - 20:45:00 | 8 | 7 | 6 | 4 | 2 | 0.7 | 135.9 | 4.7 | 63.2 | 987.0 |
| 04/16/2022 | 20:45:00 - 21:00:00 | 8 | 5 | 6 | 4 | 2 | 1.1 | 86.5 | 4.4 | 66.4 | 987.3 |
| 04/16/2022 | 21:00:00 - 21:15:00 | 7 | 5 | 6 | 4 | 2 | 1.0 | 100.5 | 4.0 | 69.1 | 987.4 |
| 04/16/2022 | 21:15:00 - 21:30:00 | 7 | 4 | 5 | 4 | 2 | 0.9 | 105.5 | 4.8 | 69.3 | 987.5 |
| 04/16/2022 | 21:30:00 - 21:45:00 | 6 | 3 | 5 | 4 | 1 | 0.4 | 116.0 | 4.4 | 70.2 | 987.7 |
| 04/16/2022 | 21:45:00 - 22:00:00 | 6 | 3 | 5 | 4 | 1 | 0.8 | 202.1 | 4.6 | 70.0 | 987.9 |
| 04/16/2022 | 22:00:00 - 22:15:00 | 6 | 3 | 5 | 3 | 1 | 0.9 | 195.6 | 4.7 | 70.0 | 988.0 |
| 04/16/2022 | 22:15:00 - 22:30:00 | 6 | 3 | 5 | 3 | 1 | 0.6 | 173.2 | 4.5 | 70.2 | 988.0 |
| 04/16/2022 | 22:30:00 - 22:45:00 | 6 | 3 | 5 | 3 | 1 | 1.1 | 172.7 | 4.3 | 72.1 | 988.1 |
| 04/16/2022 | 22:45:00 - 23:00:00 | 6 | 3 | 5 | 4 | 1 | 0.9 | 170.7 | 4.1 | 72.0 | 988.3 |
| 04/16/2022 | 23:00:00 - 23:15:00 | 6 | 3 | 5 | 4 | 1 | 0.6 | 182.5 | 4.3 | 71.3 | 988.5 |
| 04/16/2022 | 23:15:00 - 23:30:00 | 6 | 4 | 5 | 4 | 1 | 0.6 | 141.6 | 4.0 | 72.0 | 988.5 |
| 04/16/2022 | 23:30:00 - 23:45:00 | 7 | 4 | 6 | 4 | 2 | 0.8 | 141.1 | 4.0 | 72.0 | 988.6 |
| 04/17/2022 | 23:45:00 - 00:00:00 | 7 | 4 | 6 | 4 | 2 | 1.1 | 134.7 | 4.0 | 71.5 | 988.6 |
| 04/17/2022 | 00:00:00 - 00:15:00 | 7 | 4 | 6 | 5 | 2 | 1.1 | 137.0 | 4.1 | 70.5 | 988.6 |
| 04/17/2022 | 00:15:00 - 00:30:00 | 7 | 4 | 6 | 5 | 2 | 0.7 | 145.2 | 3.9 | 71.4 | 988.7 |
| 04/17/2022 | 00:30:00 - 00:45:00 | 7 | 4 | 6 | 5 | 2 | 0.5 | 176.6 | 3.9 | 72.3 | 988.7 |
| 04/17/2022 | 00:45:00 - 01:00:00 | 7 | 4 | 6 | 5 | 3 | 0.6 | 163.1 | 3.9 | 72.9 | 988.8 |
| 04/17/2022 | 01:00:00 - 01:15:00 | 7 | 4 | 6 | 5 | 3 | 0.4 | 149.2 | 3.9 | 72.3 | 988.8 |
| 04/17/2022 | 01:15:00 - 01:30:00 | 7 | 4 | 6 | 5 | 3 | 1.4 | 89.4 | 3.4 | 73.7 | 988.7 |
| 04/17/2022 | 01:30:00 - 01:45:00 | 7 | 5 | 6 | 5 | 3 | 1.0 | 107.0 | 2.8 | 75.8 | 988.6 |
| 04/17/2022 | 01:45:00 - 02:00:00 | 7 | 4 | 6 | 5 | 3 | 0.6 | 109.2 | 2.6 | 77.0 | 988.7 |
| 04/17/2022 | 02:00:00 - 02:15:00 | 8 | 5 | 7 | 5 | 3 | 1.3 | 115.1 | 2.3 | 79.1 | 988.7 |
| 04/17/2022 | 02:15:00 - 02:30:00 | 8 | 5 | 7 | 5 | 4 | 1.0 | 119.7 | 1.7 | 80.4 | 988.6 |
| 04/17/2022 | 02:30:00 - 02:45:00 | 8 | 5 | 7 | 6 | 4 | 1.5 | 128.6 | 1.8 | 81.8 | 988.5 |
| 04/17/2022 | 02:45:00 - 03:00:00 | 9 | 6 | 8 | 6 | 5 | 1.1 | 193.7 | 1.9 | 81.5 | 988.5 |
| 04/17/2022 | 03:00:00 - 03:15:00 | 10 | 6 | 8 | 7 | 5 | 1.4 | 147.7 | 1.6 | 82.7 | 988.5 |
| 04/17/2022 | 03:15:00 - 03:30:00 | 9 | 6 | 8 | 7 | 5 | 1.3 | 168.8 | 1.3 | 83.0 | 988.5 |
| 04/17/2022 | 03:30:00 - 03:45:00 | 9 | 6 | 8 | 6 | 5 | 1.3 | 139.4 | 1.2 | 84.4 | 988.5 |
| 04/17/2022 | 03:45:00 - 04:00:00 | 9 | 6 | 8 | 6 | 4 | 2.1 | 123.6 | 1.9 | 81.3 | 988.4 |
| 04/17/2022 | 04:00:00 - 04:15:00 | 8 | 5 | 7 | 6 | 4 | 1.9 | 125.3 | 2.0 | 79.9 | 988.4 |
| 04/17/2022 | 04:15:00 - 04:30:00 | 8 | 5 | 7 | 5 | 3 | 2.8 | 135.4 | 2.9 | 75.7 | 988.4 |
| 04/17/2022 | 04:30:00 - 04:45:00 | 7 | 5 | 6 | 5 | 3 | 2.7 | 150.4 | 3.9 | 69.8 | 988.4 |
| 04/17/2022 | 04:45:00 - 05:00:00 | 7 | 6 | 6 | 5 | 3 | 2.8 | 153.0 | 4.0 | 68.3 | 988.4 |
| 04/17/2022 | 05:00:00 - 05:15:00 | 7 | 5 | 6 | 5 | 3 | 2.8 | 152.8 | 4.1 | 68.0 | 988.4 |
| 04/17/2022 | 05:15:00 - 05:30:00 | 7 | 4 | 6 | 5 | 3 | 2.6 | 152.2 | 3.9 | 69.0 | 988.4 |
| 04/17/2022 | 05:30:00 - 05:45:00 | 7 | 4 | 6 | 5 | 2 | 2.4 | 154.4 | 3.6 | 70.1 | 988.5 |
| 04/17/2022 | 05:45:00 - 06:00:00 | 6 | 4 | 6 | 4 | 2 | 2.4 | 173.6 | 3.3 | 71.8 | 988.6 |
| 04/17/2022 | 06:00:00 - 06:15:00 | 6 | 4 | 6 | 4 | 2 | 2.5 | 161.9 | 3.1 | 72.5 | 988.6 |
| 04/17/2022 | 06:15:00 - 06:30:00 | 6 | 4 | 6 | 4 | 2 | 3.4 | 148.8 | 3.1 | 72.7 | 988.5 |
| 04/17/2022 | 06:30:00 - 06:45:00 | 6 | 4 | 6 | 4 | 2 | 2.9 | 147.8 | 3.5 | 71.3 | 988.5 |
| 04/17/2022 | 06:45:00 - 07:00:00 | 6 | 4 | 5 | 4 | 1 | 2.9 | 149.2 | 4.2 | 68.7 | 988.5 |
| 04/17/2022 | 07:00:00 - 07:15:00 | 6 | 3 | 5 | 4 | 1 | 2.9 | 161.9 | 4.8 | 66.3 | 988.5 |
| 04/17/2022 | 07:15:00 - 07:30:00 | 6 | 3 | 5 | 4 | 1 | 2.7 | 169.6 | 5.6 | 63.7 | 988.5 |
| 04/17/2022 | 07:30:00 - 07:45:00 | 5 | 3 | 5 | 3 | 1 | 2.4 | 162.9 | 6.5 | 61.0 | 988.6 |
| 04/17/2022 | 07:45:00 - 08:00:00 | 5 | 3 | 5 | 3 | 0 | 2.7 | 179.2 | 7.1 | 59.3 | 988.7 |
| 04/17/2022 | 08:00:00 - 08:15:00 | 5 | 3 | 5 | 3 | 0 | 3.9 | 145.7 | 7.6 | 58.2 | 988.5 |
| 04/17/2022 | 08:15:00 - 08:30:00 | 5 | 2 | 4 | 3 | 0 | 5.3 | 147.1 | 7.6 | 58.7 | 988.4 |
| 04/17/2022 | 08:30:00 - 08:45:00 | 5 | 2 | 4 | 2 | 0 | 5.5 | 139.6 | 7.9 | 58.9 | 988.3 |
| 04/17/2022 | 08:45:00 - 09:00:00 | 5 | 2 | 4 | 3 | 0 | 5.0 | 149.1 | 8.6 | 57.1 | 988.2 |
| 04/17/2022 | 09:00:00 - 09:15:00 | 5 | 2 | 4 | 3 | 0 | 5.8 | 142.5 | 8.9 | 57.7 | 988.2 |
| 04/17/2022 | 09:15:00 - 09:30:00 | 5 | 2 | 4 | 2 | 0 | 6.1 | 148.2 | 9.4 | 57.1 | 988.2 |
| 04/17/2022 | 09:30:00 - 09:45:00 | 5 | 2 | 4 | 3 | 0 | 4.3 | 155.8 | 10.0 | 55.9 | 988.1 |
| 04/17/2022 | 09:45:00 - 10:00:00 | 5 | 2 | 4 | 2 | 0 | 5.6 | 153.1 | 10.4 | 53.4 | 987.9 |
| 04/17/2022 | 10:00:00 - 10:15:00 | 5 | 2 | 4 | 3 | 0 | 6.2 | 145.7 | 10.7 | 52.0 | 987.7 |
| 04/17/2022 | 10:15:00 - 10:30:00 | 6 | 2 | 4 | 3 | 1 | 6.5 | 142.3 | 11.2 | 51.6 | 987.6 |
| 04/17/2022 | 10:30:00 - 10:45:00 | 6 | 1 | 4 | 3 | 1 | 9.0 | 143.6 | 11.1 | 52.2 | 987.2 |
| 04/17/2022 | 10:45:00 - 11:00:00 | 6 | 1 | 4 | 3 | 1 | 7.8 | 137.2 | 11.7 | 49.8 | 986.9 |
| 04/17/2022 | 11:00:00 - 11:15:00 | 6 | 1 | 4 | 3 | 1 | 6.3 | 147.3 | 12.4 | 49.1 | 986.6 |
| 04/17/2022 | 11:15:00 - 11:30:00 | 6 | 1 | 4 | 2 | 1 | 7.5 | 148.9 | 12.7 | 48.1 | 986.2 |
| 04/17/2022 | 11:30:00 - 11:45:00 | 6 | 0 | 4 | 3 | 1 | 9.3 | 144.7 | 12.8 | 48.3 | 985.8 |
| 04/17/2022 | 11:45:00 - 12:00:00 | 6 | 0 | 4 | 2 | 1 | 9.1 | 142.1 | 13.1 | 46.8 | 985.5 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 04/17/2022 | 12:00:00 - 12:15:00 | 6 | 0 | 3 | 2 | 1 | 9.0 | 141.5 | 13.4 | 45.6 | 985.1 |
| 04/17/2022 | 12:15:00 - 12:30:00 | 6 | 0 | 3 | 2 | 0 | 7.8 | 142.4 | 13.9 | 45.7 | 984.7 |
| 04/17/2022 | 12:30:00 - 12:45:00 | 6 | 0 | 3 | 2 | 0 | 8.8 | 149.1 | 14.1 | 44.9 | 984.3 |
| 04/17/2022 | 12:45:00 - 13:00:00 | 6 | 0 | 3 | 2 | 0 | 9.4 | 146.2 | 14.7 | 43.4 | 983.8 |
| 04/17/2022 | 13:00:00 - 13:15:00 | 6 | 0 | 3 | 2 | 0 | 9.2 | 141.6 | 15.2 | 42.1 | 983.3 |
| 04/17/2022 | 13:15:00 - 13:30:00 | 6 | 0 | 3 | 2 | 0 | 8.1 | 149.6 | 15.8 | 40.8 | 982.9 |
| 04/17/2022 | 13:30:00 - 13:45:00 | 6 | 0 | 3 | 2 | 0 | 9.5 | 146.1 | 16.0 | 39.9 | 982.4 |
| 04/17/2022 | 13:45:00 - 14:00:00 | 6 | 0 | 3 | 2 | 0 | 10.0 | 147.4 | 16.4 | 39.2 | 982.0 |
| 04/17/2022 | 14:00:00 - 14:15:00 | 6 | 0 | 3 | 2 | 1 | 8.9 | 144.0 | 16.9 | 38.6 | 981.7 |
| 04/17/2022 | 14:15:00 - 14:30:00 | 6 | 0 | 3 | 2 | 1 | 8.3 | 142.3 | 17.4 | 38.4 | 981.3 |
| 04/17/2022 | 14:30:00 - 14:45:00 | 6 | 0 | 3 | 2 | 0 | 7.5 | 148.8 | 17.9 | 37.8 | 981.1 |
| 04/17/2022 | 14:45:00 - 15:00:00 | 6 | 0 | 3 | 2 | 1 | 8.8 | 150.0 | 18.1 | 37.8 | 980.9 |
| 04/17/2022 | 15:00:00 - 15:15:00 | 6 | 0 | 3 | 2 | 0 | 8.9 | 142.5 | 18.1 | 38.4 | 980.6 |
| 04/17/2022 | 15:15:00 - 15:30:00 | 6 | 0 | 3 | 2 | 0 | 6.2 | 157.4 | 18.6 | 38.3 | 980.4 |
| 04/17/2022 | 15:30:00 - 15:45:00 | 6 | 0 | 3 | 2 | 0 | 8.0 | 152.1 | 18.6 | 38.8 | 980.2 |
| 04/17/2022 | 15:45:00 - 16:00:00 | 6 | 0 | 3 | 2 | 0 | 6.7 | 163.4 | 18.8 | 38.8 | 980.0 |
| 04/17/2022 | 16:00:00 - 16:15:00 | 6 | 0 | 3 | 2 | 0 | 7.7 | 153.6 | 18.7 | 39.2 | 979.6 |
| 04/17/2022 | 16:15:00 - 16:30:00 | 6 | 0 | 3 | 2 | 0 | 7.8 | 146.3 | 19.1 | 39.1 | 979.3 |
| 04/17/2022 | 16:30:00 - 16:45:00 | 6 | 0 | 3 | 3 | 1 | 8.0 | 147.7 | 19.0 | 39.4 | 979.0 |
| 04/17/2022 | 16:45:00 - 17:00:00 | 6 | 1 | 3 | 3 | 1 | 6.1 | 158.1 | 19.2 | 39.2 | 978.8 |
| 04/17/2022 | 17:00:00 - 17:15:00 | 5 | 0 | 3 | 2 | 0 | 8.0 | 148.8 | 18.8 | 40.5 | 978.6 |
| 04/17/2022 | 17:15:00 - 17:30:00 | 6 | 1 | 3 | 2 | 0 | 8.7 | 145.8 | 18.7 | 41.2 | 978.2 |
| 04/17/2022 | 17:30:00 - 17:45:00 | 6 | 1 | 3 | 3 | 0 | 8.3 | 147.5 | 18.5 | 41.7 | 978.0 |
| 04/17/2022 | 17:45:00 - 18:00:00 | 5 | 1 | 3 | 2 | 0 | 7.9 | 148.0 | 18.3 | 42.7 | 977.8 |
| 04/17/2022 | 18:00:00 - 18:15:00 | 5 | 1 | 3 | 3 | 0 | 8.8 | 145.1 | 18.2 | 43.7 | 977.5 |
| 04/17/2022 | 18:15:00 - 18:30:00 | 6 | 2 | 4 | 3 | 0 | 6.0 | 153.5 | 18.2 | 44.0 | 977.5 |
| 04/17/2022 | 18:30:00 - 18:45:00 | 6 | 2 | 4 | 3 | 0 | 6.8 | 144.4 | 18.0 | 44.7 | 977.4 |
| 04/17/2022 | 18:45:00 - 19:00:00 | 6 | 2 | 4 | 3 | 0 | 6.0 | 147.7 | 17.7 | 45.5 | 977.4 |
| 04/17/2022 | 19:00:00 - 19:15:00 | 5 | 1 | 3 | 2 | 0 | 4.5 | 156.9 | 17.3 | 46.7 | 977.7 |
| 04/17/2022 | 19:15:00 - 19:30:00 | 5 | 1 | 3 | 2 | 0 | 4.3 | 148.5 | 16.9 | 48.4 | 977.8 |
| 04/17/2022 | 19:30:00 - 19:45:00 | 5 | 2 | 4 | 2 | 0 | 2.9 | 157.7 | 16.6 | 49.0 | 978.2 |
| 04/17/2022 | 19:45:00 - 20:00:00 | 5 | 2 | 4 | 3 | 0 | 3.1 | 161.2 | 16.5 | 49.5 | 978.5 |
| 04/17/2022 | 20:00:00 - 20:15:00 | 5 | 2 | 4 | 2 | 0 | 3.6 | 162.9 | 16.4 | 50.0 | 978.7 |
| 04/17/2022 | 20:15:00 - 20:30:00 | 5 | 2 | 4 | 3 | 0 | 3.5 | 168.8 | 16.4 | 50.1 | 978.9 |
| 04/17/2022 | 20:30:00 - 20:45:00 | 5 | 2 | 4 | 2 | 0 | 3.0 | 165.5 | 16.2 | 51.3 | 979.3 |
| 04/17/2022 | 20:45:00 - 21:00:00 | 5 | 2 | 4 | 2 | 0 | 2.9 | 158.0 | 16.0 | 52.5 | 979.5 |
| 04/17/2022 | 21:00:00 - 21:15:00 | 5 | 2 | 4 | 2 | 0 | 3.6 | 154.5 | 15.9 | 53.0 | 979.4 |
| 04/17/2022 | 21:15:00 - 21:30:00 | 5 | 1 | 4 | 2 | 0 | 3.5 | 157.8 | 15.8 | 53.5 | 979.4 |
| 04/17/2022 | 21:30:00 - 21:45:00 | 5 | 2 | 4 | 2 | 0 | 2.8 | 165.8 | 15.7 | 54.1 | 979.4 |
| 04/17/2022 | 21:45:00 - 22:00:00 | 5 | 2 | 4 | 2 | 0 | 3.7 | 157.0 | 15.6 | 55.0 | 979.3 |
| 04/17/2022 | 22:00:00 - 22:15:00 | 5 | 2 | 4 | 3 | 0 | 3.3 | 164.3 | 15.5 | 56.0 | 979.2 |
| 04/17/2022 | 22:15:00 - 22:30:00 | 5 | 2 | 4 | 3 | 0 | 2.5 | 170.2 | 15.2 | 57.8 | 979.2 |
| 04/17/2022 | 22:30:00 - 22:45:00 | 5 | 2 | 4 | 2 | 0 | 2.5 | 162.8 | 15.2 | 59.0 | 979.1 |
| 04/17/2022 | 22:45:00 - 23:00:00 | 5 | 2 | 4 | 2 | 0 | 3.1 | 163.6 | 15.4 | 59.0 | 978.9 |
| 04/17/2022 | 23:00:00 - 23:15:00 | 5 | 2 | 4 | 2 | 0 | 2.6 | 171.3 | 15.6 | 59.0 | 978.7 |
| 04/17/2022 | 23:15:00 - 23:30:00 | 5 | 2 | 4 | 2 | 0 | 2.0 | 170.1 | 15.9 | 58.5 | 978.6 |
| 04/17/2022 | 23:30:00 - 23:45:00 | 6 | 3 | 5 | 2 | 1 | 1.9 | 173.9 | 15.9 | 59.0 | 978.5 |
| 04/18/2022 | 23:45:00 - 00:00:00 | 5 | 2 | 4 | 2 | 0 | 1.8 | 185.2 | 16.0 | 60.0 | 978.4 |
| 04/18/2022 | 00:00:00 - 00:15:00 | 5 | 2 | 4 | 3 | 0 | 3.3 | 191.8 | 16.5 | 59.1 | 978.4 |
| 04/18/2022 | 00:15:00 - 00:30:00 | 5 | 2 | 4 | 3 | 0 | 3.0 | 192.5 | 16.9 | 57.6 | 978.3 |
| 04/18/2022 | 00:30:00 - 00:45:00 | 6 | 2 | 5 | 3 | 0 | 3.3 | 194.3 | 16.9 | 58.0 | 978.3 |
| 04/18/2022 | 00:45:00 - 01:00:00 | 6 | 3 | 5 | 3 | 0 | 3.9 | 199.2 | 17.1 | 58.7 | 978.5 |
| 04/18/2022 | 01:00:00 - 01:15:00 | 6 | 3 | 5 | 3 | 1 | 4.9 | 208.6 | 17.7 | 57.9 | 978.5 |
| 04/18/2022 | 01:15:00 - 01:30:00 | 6 | 3 | 5 | 3 | 0 | 6.8 | 208.4 | 18.4 | 57.0 | 978.4 |
| 04/18/2022 | 01:30:00 - 01:45:00 | 6 | 3 | 5 | 4 | 0 | 6.6 | 211.8 | 18.5 | 57.3 | 978.5 |
| 04/18/2022 | 01:45:00 - 02:00:00 | 6 | 3 | 5 | 3 | 0 | 6.9 | 211.5 | 18.3 | 58.4 | 978.6 |
| 04/18/2022 | 02:00:00 - 02:15:00 | 5 | 3 | 5 | 3 | 0 | 5.6 | 217.1 | 18.0 | 60.4 | 978.4 |
| 04/18/2022 | 02:15:00 - 02:30:00 | 5 | 3 | 5 | 3 | 0 | 6.3 | 220.5 | 17.7 | 62.0 | 978.3 |
| 04/18/2022 | 02:30:00 - 02:45:00 | 6 | 3 | 5 | 3 | 0 | 5.4 | 224.9 | 17.5 | 63.9 | 978.4 |
| 04/18/2022 | 02:45:00 - 03:00:00 | 6 | 3 | 5 | 4 | 1 | 4.8 | 220.0 | 17.3 | 65.0 | 978.8 |
| 04/18/2022 | 03:00:00 - 03:15:00 | 7 | 3 | 6 | 5 | 1 | 3.6 | 250.9 | 17.2 | 66.0 | 979.1 |
| 04/18/2022 | 03:15:00 - 03:30:00 | 7 | 4 | 6 | 5 | 2 | 3.0 | 248.0 | 16.9 | 67.1 | 979.4 |
| 04/18/2022 | 03:30:00 - 03:45:00 | 7 | 4 | 6 | 5 | 2 | 2.8 | 267.1 | 16.6 | 68.8 | 979.6 |
| 04/18/2022 | 03:45:00 - 04:00:00 | 6 | 3 | 5 | 4 | 1 | 3.6 | 266.5 | 16.6 | 69.1 | 980.0 |
| 04/18/2022 | 04:00:00 - 04:15:00 | 6 | 3 | 5 | 4 | 1 | 4.5 | 273.5 | 16.6 | 69.8 | 980.4 |
| 04/18/2022 | 04:15:00 - 04:30:00 | 6 | 3 | 6 | 5 | 2 | 5.0 | 288.5 | 16.4 | 70.8 | 980.4 |
| 04/18/2022 | 04:30:00 - 04:45:00 | 6 | 3 | 5 | 5 | 1 | 5.2 | 296.4 | 15.8 | 70.0 | 980.9 |
| 04/18/2022 | 04:45:00 - 05:00:00 | 5 | 2 | 5 | 3 | 0 | 4.0 | 314.0 | 15.2 | 68.6 | 980.9 |
| 04/18/2022 | 05:00:00 - 05:15:00 | 6 | 3 | 5 | 4 | 1 | 3.1 | 303.7 | 15.0 | 60.6 | 981.0 |
| 04/18/2022 | 05:15:00 - 05:30:00 | 7 | 4 | 6 | 5 | 2 | 2.5 | 290.5 | 14.8 | 55.9 | 981.4 |
| 04/18/2022 | 05:30:00 - 05:45:00 | 7 | 4 | 6 | 5 | 2 | 2.3 | 323.6 | 14.5 | 54.5 | 981.5 |
| 04/18/2022 | 05:45:00 - 06:00:00 | 7 | 4 | 6 | 5 | 2 | 1.2 | 314.0 | 14.1 | 54.0 | 981.5 |
| 04/18/2022 | 06:00:00 - 06:15:00 | 7 | 4 | 6 | 5 | 2 | 1.3 | 187.2 | 13.6 | 55.1 | 981.7 |
| 04/18/2022 | 06:15:00 - 06:30:00 | 8 | 4 | 7 | 6 | 3 | 1.7 | 302.8 | 13.4 | 57.3 | 982.4 |
| 04/18/2022 | 06:30:00 - 06:45:00 | 8 | 5 | 7 | 6 | 3 | 1.0 | 323.0 | 12.9 | 61.4 | 982.6 |
| 04/18/2022 | 06:45:00 - 07:00:00 | 7 | 4 | 6 | 5 | 2 | 1.3 | 306.8 | 12.9 | 61.7 | 982.8 |
| 04/18/2022 | 07:00:00 - 07:15:00 | 8 | 5 | 7 | 6 | 3 | 2.6 | 291.8 | 13.3 | 64.8 | 983.3 |
| 04/18/2022 | 07:15:00 - 07:30:00 | 9 | 5 | 8 | 7 | 4 | 2.6 | 285.5 | 13.6 | 63.9 | 983.6 |
| 04/18/2022 | 07:30:00 - 07:45:00 | 10 | 6 | 8 | 8 | 5 | 5.4 | 287.7 | 13.7 | 58.3 | 984.6 |
| 04/18/2022 | 07:45:00 - 08:00:00 | 10 | 6 | 8 | 8 | 5 | 5.4 | 303.9 | 13.2 | 58.9 | 985.0 |
| 04/18/2022 | 08:00:00 - 08:15:00 | 11 | 6 | 9 | 8 | 7 | 4.9 | 300.3 | 12.9 | 59.9 | 985.3 |
| 04/18/2022 | 08:15:00 - 08:30:00 | 11 | 7 | 10 | 9 | 7 | 4.8 | 303.9 | 12.9 | 58.9 | 985.1 |
| 04/18/2022 | 08:30:00 - 08:45:00 | 11 | 6 | 11 | 8 | 6 | 3.9 | 304.6 | 13.2 | 57.7 | 985.2 |
| 04/18/2022 | 08:45:00 - 09:00:00 | 12 | 7 | 10 | 8 | 6 | 4.5 | 294.2 | 13.5 | 54.1 | 985.2 |
| 04/18/2022 | 09:00:00 - 09:15:00 | 11 | 7 | 9 | 8 | 6 | 3.1 | 309.7 | 13.6 | 51.4 | 984.7 |
| 04/18/2022 | 09:15:00 - 09:30:00 | 12 | 7 | 9 | 8 | 5 | 2.8 | 341.2 | 13.8 | 50.5 | 983.6 |
| 04/18/2022 | 09:30:00 - 09:45:00 | 14 | 8 | 11 | 9 | 10 | 4.2 | 340.8 | 14.0 | 51.4 | 983.4 |
| 04/18/2022 | 09:45:00 - 10:00:00 | 15 | 9 | 12 | 11 | 9 | 5.4 | 348.8 | 14.1 | 48.8 | 983.0 |
| 04/18/2022 | 10:00:00 - 10:15:00 | 14 | 9 | 12 | 11 | 8 | 4.6 | 329.1 | 14.5 | 47.9 | 984.0 |
| 04/18/2022 | 10:15:00 - 10:30:00 | 13 | 8 | 10 | 10 | 6 | 4.3 | 313.8 | 14.7 | 48.0 | 984.7 |
| 04/18/2022 | 10:30:00 - 10:45:00 | 12 | 8 | 10 | 10 | 7 | 3.1 | 326.7 | 14.5 | 48.3 | 985.0 |
| 04/18/2022 | 10:45:00 - 11:00:00 | 12 | 8 | 10 | 10 | 7 | 3.0 | 329.0 | 14.9 | 47.4 | 985.3 |
| 04/18/2022 | 11:00:00 - 11:15:00 | 11 | 8 | 9 | 9 | 6 | 0.8 | 34.0 | 15.0 | 45.5 | 985.5 |
| 04/18/2022 | 11:15:00 - 11:30:00 | 14 | 9 | 11 | 11 | 8 | 1.7 | 86.0 | 15.4 | 44.7 | 985.7 |
| 04/18/2022 | 11:30:00 - 11:45:00 | 16 | 11 | 13 | 13 | 10 | 1.2 | 141.1 | 16.0 | 43.5 | 985.6 |
| 04/18/2022 | 11:45:00 - 12:00:00 | 17 | 10 | 13 | 12 | 10 | 2.1 | 256.7 | 16.3 | 41.6 | 985.9 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 04/18/2022 | 12:00:00 - 12:15:00 | 17 | 8 | 13 | 9 | 7 | 2.1 | 222.7 | 16.4 | 41.1 | 985.8 |
| 04/18/2022 | 12:15:00 - 12:30:00 | 17 | 10 | 13 | 12 | 10 | 1.7 | 152.7 | 17.0 | 40.3 | 985.6 |
| 04/18/2022 | 12:30:00 - 12:45:00 | 13 | 8 | 10 | 9 | 7 | 0.9 | 219.1 | 17.2 | 39.9 | 985.3 |
| 04/18/2022 | 12:45:00 - 13:00:00 | 11 | 7 | 9 | 7 | 5 | 1.4 | 293.3 | 17.2 | 38.9 | 985.2 |
| 04/18/2022 | 13:00:00 - 13:15:00 | 11 | 6 | 9 | 6 | 4 | 2.0 | 272.4 | 17.2 | 40.2 | 985.1 |
| 04/18/2022 | 13:15:00 - 13:30:00 | 11 | 6 | 8 | 7 | 5 | 3.0 | 287.7 | 16.7 | 41.9 | 985.4 |
| 04/18/2022 | 13:30:00 - 13:45:00 | 12 | 7 | 9 | 8 | 6 | 3.5 | 295.5 | 16.4 | 43.3 | 985.6 |
| 04/18/2022 | 13:45:00 - 14:00:00 | 11 | 7 | 9 | 8 | 6 | 2.5 | 298.4 | 16.4 | 43.5 | 985.5 |
| 04/18/2022 | 14:00:00 - 14:15:00 | 11 | 6 | 8 | 7 | 5 | 3.8 | 301.3 | 16.4 | 45.1 | 985.5 |
| 04/18/2022 | 14:15:00 - 14:30:00 | 10 | 5 | 7 | 6 | 4 | 4.3 | 315.6 | 16.0 | 46.8 | 985.5 |
| 04/18/2022 | 14:30:00 - 14:45:00 | 9 | 5 | 7 | 6 | 4 | 5.7 | 322.8 | 15.4 | 49.3 | 985.3 |
| 04/18/2022 | 14:45:00 - 15:00:00 | 9 | 5 | 7 | 6 | 4 | 4.8 | 328.0 | 14.8 | 51.2 | 985.3 |
| 04/18/2022 | 15:00:00 - 15:15:00 | 9 | 4 | 6 | 5 | 4 | 4.4 | 322.3 | 14.7 | 51.6 | 985.5 |
| 04/18/2022 | 15:15:00 - 15:30:00 | 10 | 3 | 7 | 5 | 3 | 4.5 | 328.5 | 14.5 | 53.7 | 985.6 |
| 04/18/2022 | 15:30:00 - 15:45:00 | 9 | 3 | 6 | 4 | 2 | 4.7 | 320.3 | 14.5 | 55.2 | 985.9 |
| 04/18/2022 | 15:45:00 - 16:00:00 | 8 | 3 | 5 | 4 | 2 | 4.3 | 318.3 | 14.4 | 54.9 | 985.8 |
| 04/18/2022 | 16:00:00 - 16:15:00 | 10 | 4 | 6 | 5 | 3 | 4.6 | 302.9 | 14.4 | 53.4 | 985.7 |
| 04/18/2022 | 16:15:00 - 16:30:00 | 8 | 3 | 6 | 4 | 3 | 4.6 | 322.8 | 14.4 | 53.7 | 985.8 |
| 04/18/2022 | 16:30:00 - 16:45:00 | 9 | 4 | 6 | 5 | 3 | 4.3 | 316.4 | 14.5 | 54.1 | 985.9 |
| 04/18/2022 | 16:45:00 - 17:00:00 | 8 | 3 | 5 | 4 | 2 | 4.3 | 316.2 | 14.6 | 53.8 | 986.2 |
| 04/18/2022 | 17:00:00 - 17:15:00 | 8 | 3 | 6 | 5 | 3 | 4.5 | 305.9 | 14.7 | 51.6 | 986.2 |
| 04/18/2022 | 17:15:00 - 17:30:00 | 9 | 4 | 6 | 5 | 3 | 3.9 | 302.2 | 14.6 | 50.2 | 986.2 |
| 04/18/2022 | 17:30:00 - 17:45:00 | 7 | 3 | 5 | 4 | 2 | 3.2 | 309.4 | 14.6 | 51.0 | 986.2 |
| 04/18/2022 | 17:45:00 - 18:00:00 | 7 | 3 | 5 | 4 | 2 | 3.0 | 311.6 | 14.6 | 50.5 | 986.2 |
| 04/18/2022 | 18:00:00 - 18:15:00 | 7 | 3 | 5 | 4 | 1 | 2.7 | 317.1 | 14.4 | 50.1 | 986.2 |
| 04/18/2022 | 18:15:00 - 18:30:00 | 7 | 3 | 5 | 4 | 1 | 2.4 | 319.7 | 14.3 | 50.6 | 986.1 |
| 04/18/2022 | 18:30:00 - 18:45:00 | 7 | 3 | 5 | 4 | 1 | 1.7 | 302.3 | 14.2 | 49.0 | 985.8 |
| 04/18/2022 | 18:45:00 - 19:00:00 | 7 | 3 | 5 | 4 | 1 | 1.6 | 320.1 | 14.1 | 50.7 | 985.7 |
| 04/18/2022 | 19:00:00 - 19:15:00 | 7 | 3 | 5 | 4 | 1 | 1.4 | 289.6 | 13.9 | 51.6 | 985.8 |
| 04/18/2022 | 19:15:00 - 19:30:00 | 7 | 3 | 5 | 4 | 1 | 1.3 | 291.9 | 13.7 | 51.2 | 986.0 |
| 04/18/2022 | 19:30:00 - 19:45:00 | 6 | 3 | 5 | 4 | 1 | 1.1 | 302.7 | 13.5 | 51.9 | 986.2 |
| 04/18/2022 | 19:45:00 - 20:00:00 | 6 | 3 | 5 | 4 | 1 | 0.9 | 263.7 | 13.4 | 51.4 | 986.4 |
| 04/18/2022 | 20:00:00 - 20:15:00 | 6 | 3 | 5 | 3 | 1 | 1.2 | 320.0 | 13.3 | 51.7 | 986.7 |
| 04/18/2022 | 20:15:00 - 20:30:00 | 6 | 3 | 5 | 3 | 0 | 2.2 | 327.5 | 13.3 | 51.6 | 986.9 |
| 04/18/2022 | 20:30:00 - 20:45:00 | 6 | 3 | 5 | 3 | 0 | 2.1 | 312.9 | 13.4 | 50.1 | 987.2 |
| 04/18/2022 | 20:45:00 - 21:00:00 | 6 | 3 | 5 | 3 | 0 | 1.9 | 312.3 | 13.3 | 50.0 | 987.3 |
| 04/18/2022 | 21:00:00 - 21:15:00 | 5 | 3 | 5 | 3 | 0 | 1.5 | 313.7 | 13.2 | 51.0 | 987.5 |
| 04/18/2022 | 21:15:00 - 21:30:00 | 5 | 3 | 5 | 3 | 0 | 1.6 | 288.6 | 13.1 | 51.1 | 987.8 |
| 04/18/2022 | 21:30:00 - 21:45:00 | 5 | 3 | 5 | 3 | 0 | 1.4 | 301.8 | 13.0 | 52.8 | 988.0 |
| 04/18/2022 | 21:45:00 - 22:00:00 | 5 | 3 | 5 | 3 | 0 | 1.3 | 310.8 | 13.0 | 53.6 | 988.2 |
| 04/18/2022 | 22:00:00 - 22:15:00 | 6 | 3 | 5 | 3 | 1 | 1.0 | 328.3 | 12.7 | 55.5 | 988.3 |
| 04/18/2022 | 22:15:00 - 22:30:00 | 6 | 3 | 5 | 4 | 1 | 0.7 | 36.0 | 12.3 | 56.4 | 988.0 |
| 04/18/2022 | 22:30:00 - 22:45:00 | 6 | 3 | 5 | 4 | 1 | 0.1 | 18.9 | 11.5 | 58.7 | 988.2 |
| 04/18/2022 | 22:45:00 - 23:00:00 | 6 | 3 | 5 | 4 | 1 | 0.6 | 117.8 | 10.7 | 62.2 | 988.1 |
| 04/18/2022 | 23:00:00 - 23:15:00 | 6 | 3 | 5 | 3 | 0 | 0.9 | 73.5 | 10.4 | 63.2 | 988.0 |
| 04/18/2022 | 23:15:00 - 23:30:00 | 5 | 3 | 5 | 3 | 0 | 1.4 | 78.4 | 9.8 | 66.5 | 987.9 |
| 04/18/2022 | 23:30:00 - 23:45:00 | 5 | 3 | 5 | 3 | 0 | 0.8 | 23.4 | 9.3 | 69.6 | 987.9 |
| 04/19/2022 | 23:45:00 - 00:00:00 | 6 | 3 | 5 | 3 | 0 | 0.6 | 14.9 | 8.5 | 72.9 | 988.0 |
| 04/19/2022 | 00:00:00 - 00:15:00 | 5 | 2 | 5 | 3 | 0 | 0.7 | 32.1 | 8.0 | 74.3 | 988.1 |
| 04/19/2022 | 00:15:00 - 00:30:00 | 5 | 2 | 5 | 3 | 0 | 0.3 | 139.0 | 7.6 | 75.7 | 988.3 |
| 04/19/2022 | 00:30:00 - 00:45:00 | 5 | 2 | 5 | 3 | 0 | 0.8 | 268.1 | 7.4 | 77.3 | 988.8 |
| 04/19/2022 | 00:45:00 - 01:00:00 | 5 | 2 | 4 | 3 | 0 | 0.5 | 333.9 | 7.2 | 78.5 | 989.2 |
| 04/19/2022 | 01:00:00 - 01:15:00 | 5 | 2 | 5 | 3 | 0 | 0.3 | 112.4 | 6.7 | 79.5 | 989.5 |
| 04/19/2022 | 01:15:00 - 01:30:00 | 5 | 2 | 5 | 3 | 0 | 1.0 | 98.5 | 6.5 | 81.2 | 989.4 |
| 04/19/2022 | 01:30:00 - 01:45:00 | 5 | 2 | 5 | 3 | 0 | 0.1 | 95.4 | 6.4 | 82.4 | 989.4 |
| 04/19/2022 | 01:45:00 - 02:00:00 | 5 | 2 | 5 | 3 | 0 | 0.7 | 95.9 | 5.7 | 84.1 | 989.3 |
| 04/19/2022 | 02:00:00 - 02:15:00 | 5 | 2 | 5 | 3 | 0 | 1.1 | 90.0 | 5.4 | 86.4 | 989.1 |
| 04/19/2022 | 02:15:00 - 02:30:00 | 5 | 2 | 5 | 3 | 0 | 1.0 | 83.8 | 5.7 | 86.0 | 989.1 |
| 04/19/2022 | 02:30:00 - 02:45:00 | 5 | 3 | 5 | 3 | 0 | 0.9 | 98.9 | 5.4 | 86.6 | 988.9 |
| 04/19/2022 | 02:45:00 - 03:00:00 | 5 | 3 | 5 | 3 | 0 | 0.4 | 157.9 | 5.3 | 87.0 | 989.0 |
| 04/19/2022 | 03:00:00 - 03:15:00 | 5 | 3 | 5 | 4 | 0 | 0.4 | 110.4 | 4.8 | 88.4 | 989.0 |
| 04/19/2022 | 03:15:00 - 03:30:00 | 5 | 3 | 5 | 4 | 0 | 0.4 | 77.9 | 4.9 | 89.7 | 989.1 |
| 04/19/2022 | 03:30:00 - 03:45:00 | 5 | 3 | 5 | 4 | 0 | 1.1 | 64.9 | 4.7 | 89.9 | 989.1 |
| 04/19/2022 | 03:45:00 - 04:00:00 | 6 | 3 | 5 | 4 | 1 | 1.3 | 83.4 | 4.6 | 89.5 | 989.1 |
| 04/19/2022 | 04:00:00 - 04:15:00 | 6 | 3 | 5 | 4 | 1 | 1.4 | 73.8 | 4.2 | 90.7 | 989.0 |
| 04/19/2022 | 04:15:00 - 04:30:00 | 6 | 3 | 5 | 4 | 1 | 0.8 | 63.1 | 4.4 | 91.0 | 989.1 |
| 04/19/2022 | 04:30:00 - 04:45:00 | 6 | 3 | 5 | 4 | 1 | 1.0 | 49.3 | 4.5 | 90.7 | 989.1 |
| 04/19/2022 | 04:45:00 - 05:00:00 | 6 | 3 | 5 | 4 | 1 | 0.7 | 39.5 | 4.5 | 90.5 | 989.1 |
| 04/19/2022 | 05:00:00 - 05:15:00 | 6 | 3 | 5 | 4 | 1 | 1.0 | 73.0 | 4.2 | 91.1 | 989.2 |
| 04/19/2022 | 05:15:00 - 05:30:00 | 6 | 3 | 5 | 4 | 1 | 1.4 | 60.1 | 4.3 | 92.3 | 989.2 |
| 04/19/2022 | 05:30:00 - 05:45:00 | 6 | 3 | 5 | 4 | 1 | 1.6 | 77.4 | 4.3 | 92.1 | 989.1 |
| 04/19/2022 | 05:45:00 - 06:00:00 | 6 | 3 | 5 | 4 | 1 | 3.1 | 88.4 | 5.3 | 91.7 | 989.1 |
| 04/19/2022 | 06:00:00 - 06:15:00 | 6 | 3 | 5 | 4 | 1 | 3.5 | 96.0 | 7.4 | 83.8 | 989.2 |
| 04/19/2022 | 06:15:00 - 06:30:00 | 6 | 3 | 5 | 5 | 1 | 3.3 | 93.9 | 7.6 | 81.8 | 989.1 |
| 04/19/2022 | 06:30:00 - 06:45:00 | 6 | 3 | 5 | 4 | 1 | 3.8 | 91.8 | 8.1 | 79.6 | 989.0 |
| 04/19/2022 | 06:45:00 - 07:00:00 | 6 | 3 | 6 | 4 | 1 | 5.1 | 93.6 | 8.9 | 76.6 | 989.1 |
| 04/19/2022 | 07:00:00 - 07:15:00 | 12 | 3 | 12 | 4 | 1 | 4.0 | 109.5 | 9.3 | 76.8 | 989.2 |
| 04/19/2022 | 07:15:00 - 07:30:00 | 6 | 3 | 5 | 4 | 0 | 4.9 | 117.6 | 9.8 | 74.6 | 989.3 |
| 04/19/2022 | 07:30:00 - 07:45:00 | 6 | 3 | 5 | 3 | 0 | 5.6 | 105.4 | 10.3 | 72.8 | 989.3 |
| 04/19/2022 | 07:45:00 - 08:00:00 | 5 | 3 | 5 | 3 | 0 | 6.4 | 107.7 | 11.0 | 69.4 | 989.2 |
| 04/19/2022 | 08:00:00 - 08:15:00 | 6 | 3 | 5 | 3 | 0 | 4.9 | 114.9 | 11.6 | 69.0 | 989.1 |
| 04/19/2022 | 08:15:00 - 08:30:00 | 6 | 3 | 5 | 3 | 0 | 4.9 | 111.7 | 12.4 | 68.7 | 988.8 |
| 04/19/2022 | 08:30:00 - 08:45:00 | 6 | 2 | 5 | 3 | 0 | 5.5 | 121.8 | 13.1 | 69.0 | 988.7 |
| 04/19/2022 | 08:45:00 - 09:00:00 | 14 | 2 | 7 | 3 | 1 | 5.6 | 129.5 | 13.3 | 68.9 | 988.6 |
| 04/19/2022 | 09:00:00 - 09:15:00 | 8 | 2 | 6 | 3 | 1 | 6.2 | 117.0 | 14.0 | 67.4 | 988.4 |
| 04/19/2022 | 09:15:00 - 09:30:00 | 7 | 2 | 5 | 3 | 1 | 6.0 | 137.6 | 14.3 | 68.7 | 988.3 |
| 04/19/2022 | 09:30:00 - 09:45:00 | 8 | 2 | 6 | 3 | 1 | 5.5 | 144.9 | 15.3 | 68.8 | 988.3 |
| 04/19/2022 | 09:45:00 - 10:00:00 | 7 | 2 | 5 | 3 | 1 | 6.6 | 139.9 | 15.4 | 72.2 | 988.2 |
| 04/19/2022 | 10:00:00 - 10:15:00 | 9 | 1 | 5 | 3 | 1 | 6.2 | 138.5 | 15.9 | 73.5 | 988.2 |
| 04/19/2022 | 10:15:00 - 10:30:00 | 6 | 1 | 4 | 3 | 1 | 6.9 | 140.8 | 16.4 | 73.9 | 988.1 |
| 04/19/2022 | 10:30:00 - 10:45:00 | 6 | 1 | 4 | 3 | 1 | 7.1 | 142.0 | 17.0 | 74.6 | 988.0 |
| 04/19/2022 | 10:45:00 - 11:00:00 | 6 | 0 | 4 | 2 | 1 | 6.9 | 149.2 | 17.7 | 73.5 | 987.8 |
| 04/19/2022 | 11:00:00 - 11:15:00 | 6 | 0 | 4 | 2 | 0 | 5.1 | 153.0 | 18.2 | 72.6 | 987.8 |
| 04/19/2022 | 11:15:00 - 11:30:00 | 8 | 0 | 5 | 2 | 0 | 5.4 | 152.9 | 18.7 | 71.2 | 987.6 |
| 04/19/2022 | 11:30:00 - 11:45:00 | 6 | 0 | 4 | 2 | 0 | 5.2 | 155.9 | 19.3 | 69.0 | 987.4 |
| 04/19/2022 | 11:45:00 - 12:00:00 | 7 | 0 | 4 | 2 | 0 | 5.6 | 154.4 | 18.9 | 71.0 | 987.1 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 04/19/2022 | 12:00:00 - 12:15:00 | 7 | 0 | 4 | 2 | 0 | 4.2 | 164.4 | 18.8 | 72.3 | 987.0 |
| 04/19/2022 | 12:15:00 - 12:30:00 | 7 | 0 | 4 | 2 | 0 | 4.8 | 159.6 | 18.7 | 72.8 | 987.0 |
| 04/19/2022 | 12:30:00 - 12:45:00 | 6 | 0 | 3 | 2 | 0 | 4.5 | 161.0 | 18.8 | 73.1 | 986.9 |
| 04/19/2022 | 12:45:00 - 13:00:00 | 7 | 0 | 3 | 2 | 0 | 4.8 | 156.0 | 18.5 | 74.5 | 986.9 |
| 04/19/2022 | 13:00:00 - 13:15:00 | 6 | 0 | 3 | 2 | 0 | 3.5 | 172.9 | 18.4 | 76.1 | 986.9 |
| 04/19/2022 | 13:15:00 - 13:30:00 | 6 | 0 | 3 | 2 | 0 | 4.8 | 158.7 | 18.2 | 78.0 | 986.6 |
| 04/19/2022 | 13:30:00 - 13:45:00 | 6 | 0 | 3 | 2 | 0 | 5.2 | 150.6 | 18.2 | 79.2 | 986.4 |
| 04/19/2022 | 13:45:00 - 14:00:00 | 6 | 0 | 3 | 2 | 0 | 4.1 | 155.0 | 18.0 | 80.5 | 986.3 |
| 04/19/2022 | 14:00:00 - 14:15:00 | 8 | 0 | 4 | 2 | 0 | 4.3 | 152.2 | 17.8 | 82.0 | 986.2 |
| 04/19/2022 | 14:15:00 - 14:30:00 | 8 | 0 | 4 | 2 | 0 | 6.0 | 149.2 | 17.7 | 83.7 | 985.9 |
| 04/19/2022 | 14:30:00 - 14:45:00 | 8 | 0 | 4 | 2 | 0 | 3.6 | 164.4 | 17.8 | 84.8 | 985.6 |
| 04/19/2022 | 14:45:00 - 15:00:00 | 8 | 0 | 5 | 2 | 0 | 5.2 | 146.9 | 17.6 | 85.6 | 985.4 |
| 04/19/2022 | 15:00:00 - 15:15:00 | 8 | 0 | 4 | 2 | 0 | 4.6 | 145.0 | 17.5 | 87.0 | 985.1 |
| 04/19/2022 | 15:15:00 - 15:30:00 | 7 | 0 | 3 | 2 | 0 | 4.1 | 159.7 | 17.5 | 87.4 | 984.9 |
| 04/19/2022 | 15:30:00 - 15:45:00 | 7 | 0 | 3 | 3 | 0 | 5.1 | 146.6 | 17.5 | 88.3 | 984.5 |
| 04/19/2022 | 15:45:00 - 16:00:00 | 8 | 0 | 4 | 3 | 0 | 5.5 | 143.4 | 17.4 | 89.1 | 984.1 |
| 04/19/2022 | 16:00:00 - 16:15:00 | 8 | 1 | 4 | 4 | 1 | 5.0 | 148.9 | 17.2 | 90.7 | 983.8 |
| 04/19/2022 | 16:15:00 - 16:30:00 | 8 | 1 | 4 | 4 | 2 | 3.6 | 147.5 | 17.4 | 90.5 | 983.6 |
| 04/19/2022 | 16:30:00 - 16:45:00 | 8 | 1 | 4 | 3 | 2 | 4.8 | 147.2 | 17.5 | 90.1 | 983.2 |
| 04/19/2022 | 16:45:00 - 17:00:00 | 7 | 1 | 4 | 3 | 1 | 6.4 | 153.1 | 17.6 | 90.5 | 982.9 |
| 04/19/2022 | 17:00:00 - 17:15:00 | 7 | 0 | 4 | 3 | 1 | 4.9 | 147.0 | 17.7 | 90.2 | 982.9 |
| 04/19/2022 | 17:15:00 - 17:30:00 | 7 | 0 | 3 | 3 | 1 | 4.1 | 146.5 | 17.9 | 90.9 | 982.6 |
| 04/19/2022 | 17:30:00 - 17:45:00 | 8 | 0 | 4 | 3 | 1 | 3.3 | 164.6 | 18.1 | 91.0 | 982.6 |
| 04/19/2022 | 17:45:00 - 18:00:00 | 7 | 0 | 4 | 3 | 1 | 4.3 | 162.8 | 18.3 | 91.6 | 982.3 |
| 04/19/2022 | 18:00:00 - 18:15:00 | 7 | 1 | 4 | 3 | 1 | 4.1 | 163.1 | 18.5 | 91.9 | 982.0 |
| 04/19/2022 | 18:15:00 - 18:30:00 | 7 | 1 | 4 | 3 | 1 | 3.9 | 167.9 | 18.5 | 92.0 | 981.9 |
| 04/19/2022 | 18:30:00 - 18:45:00 | 6 | 1 | 4 | 3 | 1 | 4.6 | 159.3 | 18.5 | 92.0 | 981.7 |
| 04/19/2022 | 18:45:00 - 19:00:00 | 6 | 1 | 4 | 3 | 0 | 4.5 | 161.0 | 18.6 | 92.1 | 981.4 |
| 04/19/2022 | 19:00:00 - 19:15:00 | 6 | 1 | 4 | 2 | 0 | 4.5 | 159.6 | 18.6 | 92.0 | 981.2 |
| 04/19/2022 | 19:15:00 - 19:30:00 | 6 | 1 | 4 | 2 | 0 | 4.5 | 152.6 | 18.6 | 92.0 | 980.9 |
| 04/19/2022 | 19:30:00 - 19:45:00 | 6 | 1 | 4 | 3 | 0 | 4.5 | 161.2 | 18.7 | 91.9 | 980.8 |
| 04/19/2022 | 19:45:00 - 20:00:00 | 6 | 1 | 4 | 3 | 0 | 5.3 | 158.4 | 18.8 | 91.0 | 980.7 |
| 04/19/2022 | 20:00:00 - 20:15:00 | 6 | 1 | 4 | 2 | 0 | 3.5 | 174.3 | 19.0 | 90.1 | 980.6 |
| 04/19/2022 | 20:15:00 - 20:30:00 | 6 | 2 | 4 | 3 | 0 | 3.0 | 178.3 | 18.9 | 90.2 | 980.8 |
| 04/19/2022 | 20:30:00 - 20:45:00 | 6 | 1 | 4 | 3 | 0 | 5.1 | 163.8 | 18.8 | 91.0 | 980.7 |
| 04/19/2022 | 20:45:00 - 21:00:00 | 6 | 1 | 4 | 3 | 0 | 3.9 | 168.3 | 18.7 | 91.0 | 980.6 |
| 04/19/2022 | 21:00:00 - 21:15:00 | 6 | 1 | 4 | 2 | 0 | 3.0 | 173.1 | 18.6 | 91.2 | 980.6 |
| 04/19/2022 | 21:15:00 - 21:30:00 | 6 | 2 | 4 | 3 | 0 | 3.2 | 177.0 | 18.6 | 91.7 | 980.5 |
| 04/19/2022 | 21:30:00 - 21:45:00 | 6 | 2 | 4 | 3 | 0 | 3.2 | 170.2 | 18.6 | 92.0 | 980.2 |
| 04/19/2022 | 21:45:00 - 22:00:00 | 6 | 2 | 4 | 3 | 0 | 3.4 | 170.4 | 18.7 | 92.0 | 979.9 |
| 04/19/2022 | 22:00:00 - 22:15:00 | 7 | 2 | 4 | 3 | 1 | 2.8 | 178.5 | 18.8 | 92.0 | 979.7 |
| 04/19/2022 | 22:15:00 - 22:30:00 | 7 | 2 | 5 | 3 | 1 | 3.2 | 168.3 | 18.6 | 92.2 | 979.7 |
| 04/19/2022 | 22:30:00 - 22:45:00 | 7 | 3 | 5 | 4 | 1 | 3.1 | 166.8 | 18.6 | 92.4 | 979.7 |
| 04/19/2022 | 22:45:00 - 23:00:00 | 7 | 3 | 5 | 4 | 2 | 3.2 | 171.3 | 18.6 | 92.8 | 979.2 |
| 04/19/2022 | 23:00:00 - 23:15:00 | 8 | 3 | 5 | 4 | 2 | 2.7 | 172.1 | 18.5 | 92.1 | 978.7 |
| 04/19/2022 | 23:15:00 - 23:30:00 | 7 | 3 | 5 | 4 | 1 | 3.2 | 182.4 | 18.6 | 91.4 | 978.2 |
| 04/19/2022 | 23:30:00 - 23:45:00 | 7 | 2 | 4 | 3 | 1 | 3.8 | 179.5 | 18.9 | 89.6 | 977.6 |
| 04/19/2022 | 23:45:00 - 00:00:00 | 7 | 2 | 5 | 3 | 1 | 4.1 | 190.1 | 18.8 | 89.0 | 977.4 |
| 04/20/2022 | 00:00:00 - 00:15:00 | 7 | 2 | 5 | 3 | 1 | 2.3 | 155.6 | 8.8 | 55.9 | 996.8 |
| 04/20/2022 | 00:15:00 - 00:30:00 | 7 | 2 | 4 | 3 | 1 | 3.4 | 155.7 | 8.7 | 56.2 | 996.5 |
| 04/20/2022 | 00:30:00 - 00:45:00 | 7 | 2 | 5 | 3 | 1 | 3.3 | 154.4 | 8.7 | 56.0 | 996.5 |
| 04/20/2022 | 00:45:00 - 01:00:00 | 7 | 2 | 5 | 3 | 1 | 2.9 | 156.0 | 8.7 | 56.1 | 996.6 |
| 04/20/2022 | 01:00:00 - 01:15:00 | 6 | 2 | 4 | 3 | 0 | 3.4 | 155.7 | 8.6 | 56.9 | 996.5 |
| 04/20/2022 | 01:15:00 - 01:30:00 | 6 | 2 | 4 | 3 | 0 | 2.5 | 146.2 | 8.5 | 57.8 | 996.2 |
| 04/20/2022 | 01:30:00 - 01:45:00 | 6 | 2 | 4 | 3 | 0 | 3.3 | 138.0 | 8.4 | 59.2 | 996.0 |
| 04/20/2022 | 01:45:00 - 02:00:00 | 6 | 2 | 4 | 3 | 0 | 4.7 | 150.9 | 8.4 | 58.3 | 996.0 |
| 04/20/2022 | 02:00:00 - 02:15:00 | 6 | 2 | 4 | 3 | 0 | 4.7 | 149.2 | 8.4 | 58.3 | 996.0 |
| 04/20/2022 | 02:15:00 - 02:30:00 | 6 | 2 | 4 | 3 | 0 | 4.1 | 150.6 | 8.4 | 58.8 | 995.9 |
| 04/20/2022 | 02:30:00 - 02:45:00 | 6 | 2 | 5 | 3 | 1 | 3.3 | 156.1 | 8.4 | 59.6 | 995.9 |
| 04/20/2022 | 02:45:00 - 03:00:00 | 7 | 2 | 5 | 3 | 1 | 2.3 | 170.6 | 8.2 | 61.3 | 996.1 |
| 04/20/2022 | 03:00:00 - 03:15:00 | 7 | 3 | 5 | 3 | 1 | 2.3 | 150.9 | 8.0 | 65.8 | 996.1 |
| 04/20/2022 | 03:15:00 - 03:30:00 | 6 | 2 | 4 | 3 | 1 | 2.3 | 144.1 | 7.9 | 66.8 | 996.1 |
| 04/20/2022 | 03:30:00 - 03:45:00 | 6 | 2 | 4 | 3 | 1 | 1.6 | 174.6 | 7.9 | 66.1 | 996.2 |
| 04/20/2022 | 03:45:00 - 04:00:00 | 6 | 2 | 4 | 3 | 0 | 2.9 | 151.2 | 7.9 | 66.1 | 996.1 |
| 04/20/2022 | 04:00:00 - 04:15:00 | 6 | 2 | 4 | 3 | 0 | 3.0 | 143.8 | 7.8 | 66.4 | 996.0 |
| 04/20/2022 | 04:15:00 - 04:30:00 | 6 | 2 | 4 | 3 | 0 | 3.9 | 148.3 | 7.8 | 66.6 | 996.0 |
| 04/20/2022 | 04:30:00 - 04:45:00 | 6 | 2 | 4 | 3 | 0 | 4.2 | 145.3 | 7.7 | 66.7 | 995.9 |
| 04/20/2022 | 04:45:00 - 05:00:00 | 6 | 2 | 4 | 3 | 0 | 3.5 | 146.6 | 7.6 | 67.3 | 995.7 |
| 04/20/2022 | 05:00:00 - 05:15:00 | 6 | 2 | 4 | 3 | 0 | 3.9 | 143.2 | 7.4 | 68.2 | 995.6 |
| 04/20/2022 | 05:15:00 - 05:30:00 | 6 | 2 | 4 | 3 | 0 | 4.0 | 140.4 | 7.4 | 68.0 | 995.5 |
| 04/20/2022 | 05:30:00 - 05:45:00 | 6 | 2 | 4 | 3 | 0 | 4.3 | 143.8 | 7.4 | 68.5 | 995.5 |
| 04/20/2022 | 05:45:00 - 06:00:00 | 6 | 2 | 4 | 3 | 1 | 5.3 | 149.1 | 7.3 | 69.0 | 995.6 |
| 04/20/2022 | 06:00:00 - 06:15:00 | 7 | 2 | 5 | 3 | 1 | 3.7 | 147.5 | 7.3 | 70.6 | 995.7 |
| 04/20/2022 | 06:15:00 - 06:30:00 | 7 | 3 | 5 | 3 | 1 | 4.8 | 142.0 | 7.2 | 72.8 | 995.6 |
| 04/20/2022 | 06:30:00 - 06:45:00 | 7 | 3 | 5 | 4 | 1 | 4.4 | 145.9 | 6.9 | 75.6 | 995.6 |
| 04/20/2022 | 06:45:00 - 07:00:00 | 7 | 3 | 5 | 4 | 1 | 3.4 | 157.0 | 6.8 | 77.9 | 995.9 |
| 04/20/2022 | 07:00:00 - 07:15:00 | 7 | 4 | 6 | 5 | 2 | 2.5 | 161.2 | 6.8 | 78.7 | 996.2 |
| 04/20/2022 | 07:15:00 - 07:30:00 | 8 | 4 | 6 | 5 | 2 | 2.5 | 173.3 | 6.9 | 78.3 | 996.4 |
| 04/20/2022 | 07:30:00 - 07:45:00 | 8 | 4 | 6 | 5 | 3 | 2.9 | 172.1 | 6.9 | 78.4 | 996.5 |
| 04/20/2022 | 07:45:00 - 08:00:00 | 8 | 4 | 6 | 6 | 3 | 2.5 | 168.3 | 7.0 | 78.9 | 996.6 |
| 04/20/2022 | 08:00:00 - 08:15:00 | 8 | 4 | 6 | 5 | 3 | 3.7 | 158.3 | 7.1 | 78.0 | 996.7 |
| 04/20/2022 | 08:15:00 - 08:30:00 | 8 | 4 | 6 | 5 | 3 | 3.3 | 155.3 | 7.1 | 78.6 | 996.6 |
| 04/20/2022 | 08:30:00 - 08:45:00 | 8 | 4 | 6 | 6 | 3 | 2.8 | 150.5 | 6.8 | 81.4 | 996.6 |
| 04/20/2022 | 08:45:00 - 09:00:00 | 8 | 5 | 6 | 6 | 3 | 3.6 | 139.0 | 6.1 | 86.8 | 996.3 |
| 04/20/2022 | 09:00:00 - 09:15:00 | 9 | 5 | 6 | 6 | 4 | 3.9 | 146.9 | 6.0 | 89.9 | 996.4 |
| 04/20/2022 | 09:15:00 - 09:30:00 | 8 | 4 | 6 | 6 | 3 | 3.2 | 124.7 | 5.9 | 91.1 | 996.1 |
| 04/20/2022 | 09:30:00 - 09:45:00 | 8 | 4 | 6 | 5 | 2 | 3.6 | 129.3 | 6.2 | 90.4 | 995.9 |
| 04/20/2022 | 09:45:00 - 10:00:00 | 8 | 4 | 6 | 5 | 2 | 3.6 | 134.6 | 6.4 | 88.9 | 995.8 |
| 04/20/2022 | 10:00:00 - 10:15:00 | 8 | 4 | 6 | 5 | 2 | 3.4 | 149.2 | 6.7 | 87.1 | 995.8 |
| 04/20/2022 | 10:15:00 - 10:30:00 | 8 | 4 | 6 | 5 | 2 | 4.6 | 144.2 | 6.9 | 85.8 | 996.0 |
| 04/20/2022 | 10:30:00 - 10:45:00 | 8 | 4 | 6 | 5 | 2 | 5.2 | 133.3 | 7.2 | 85.9 | 995.6 |
| 04/20/2022 | 10:45:00 - 11:00:00 | 8 | 4 | 6 | 6 | 3 | 6.0 | 138.7 | 7.4 | 86.4 | 995.4 |
| 04/20/2022 | 11:00:00 - 11:15:00 | 9 | 4 | 6 | 6 | 3 | 4.4 | 144.4 | 8.0 | 85.9 | 995.0 |
| 04/20/2022 | 11:15:00 - 11:30:00 | 8 | 4 | 6 | 6 | 3 | 5.8 | 144.4 | 8.5 | 83.1 | 994.8 |
| 04/20/2022 | 11:30:00 - 11:45:00 | 8 | 4 | 6 | 6 | 3 | 5.2 | 134.2 | 9.3 | 80.3 | 994.2 |
| 04/20/2022 | 11:45:00 - 12:00:00 | 8 | 3 | 6 | 5 | 3 | 7.1 | 144.2 | 9.7 | 75.0 | 993.7 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 04/20/2022 | 12:00:00 - 12:15:00 | 8 | 3 | 6 | 5 | 3 | 5.4 | 139.5 | 10.4 | 73.5 | 993.5 |
| 04/20/2022 | 12:15:00 - 12:30:00 | 8 | 3 | 5 | 5 | 3 | 6.4 | 146.9 | 11.4 | 67.9 | 993.0 |
| 04/20/2022 | 12:30:00 - 12:45:00 | 7 | 2 | 5 | 5 | 3 | 5.9 | 148.9 | 12.1 | 62.5 | 992.6 |
| 04/20/2022 | 12:45:00 - 13:00:00 | 8 | 2 | 5 | 4 | 3 | 7.1 | 147.7 | 12.4 | 59.9 | 992.5 |
| 04/20/2022 | 13:00:00 - 13:15:00 | 7 | 2 | 5 | 4 | 3 | 6.8 | 146.6 | 12.7 | 57.9 | 992.4 |
| 04/20/2022 | 13:15:00 - 13:30:00 | 8 | 2 | 5 | 4 | 3 | 8.3 | 140.9 | 12.6 | 56.6 | 992.0 |
| 04/20/2022 | 13:30:00 - 13:45:00 | 8 | 2 | 5 | 4 | 3 | 6.6 | 149.1 | 12.5 | 57.2 | 991.7 |
| 04/20/2022 | 13:45:00 - 14:00:00 | 8 | 2 | 5 | 5 | 4 | 6.7 | 142.9 | 12.4 | 57.2 | 991.3 |
| 04/20/2022 | 14:00:00 - 14:15:00 | 9 | 2 | 6 | 5 | 4 | 7.1 | 131.2 | 12.3 | 58.2 | 990.8 |
| 04/20/2022 | 14:15:00 - 14:30:00 | 9 | 3 | 6 | 5 | 4 | 6.5 | 142.7 | 12.6 | 57.8 | 990.7 |
| 04/20/2022 | 14:30:00 - 14:45:00 | 9 | 2 | 6 | 5 | 4 | 6.2 | 144.3 | 13.1 | 56.3 | 990.7 |
| 04/20/2022 | 14:45:00 - 15:00:00 | 9 | 2 | 5 | 5 | 4 | 6.3 | 140.9 | 13.7 | 55.5 | 990.3 |
| 04/20/2022 | 15:00:00 - 15:15:00 | 8 | 2 | 5 | 4 | 3 | 6.5 | 148.9 | 14.4 | 53.7 | 989.9 |
| 04/20/2022 | 15:15:00 - 15:30:00 | 7 | 1 | 4 | 4 | 2 | 4.3 | 156.4 | 14.9 | 48.1 | 989.8 |
| 04/20/2022 | 15:30:00 - 15:45:00 | 7 | 1 | 4 | 3 | 2 | 5.4 | 158.5 | 14.9 | 45.5 | 990.0 |
| 04/20/2022 | 15:45:00 - 16:00:00 | 7 | 1 | 4 | 3 | 2 | 5.4 | 150.0 | 15.1 | 45.7 | 989.6 |
| 04/20/2022 | 16:00:00 - 16:15:00 | 7 | 1 | 4 | 3 | 2 | 5.8 | 145.9 | 15.1 | 46.6 | 989.1 |
| 04/20/2022 | 16:15:00 - 16:30:00 | 7 | 0 | 4 | 3 | 2 | 6.6 | 148.5 | 15.1 | 47.2 | 988.6 |
| 04/20/2022 | 16:30:00 - 16:45:00 | 7 | 1 | 4 | 3 | 2 | 5.7 | 152.2 | 15.1 | 47.3 | 988.6 |
| 04/20/2022 | 16:45:00 - 17:00:00 | 7 | 1 | 4 | 4 | 2 | 6.5 | 149.9 | 14.9 | 47.3 | 988.5 |
| 04/20/2022 | 17:00:00 - 17:15:00 | 7 | 1 | 4 | 3 | 2 | 5.5 | 147.3 | 14.9 | 46.1 | 988.3 |
| 04/20/2022 | 17:15:00 - 17:30:00 | 7 | 1 | 4 | 3 | 2 | 6.8 | 144.2 | 15.0 | 45.5 | 987.9 |
| 04/20/2022 | 17:30:00 - 17:45:00 | 7 | 1 | 4 | 3 | 2 | 6.7 | 146.8 | 15.1 | 44.7 | 987.6 |
| 04/20/2022 | 17:45:00 - 18:00:00 | 7 | 1 | 4 | 3 | 2 | 5.7 | 156.6 | 15.1 | 45.5 | 987.3 |
| 04/20/2022 | 18:00:00 - 18:15:00 | 7 | 1 | 4 | 3 | 1 | 5.3 | 166.1 | 15.3 | 46.3 | 987.5 |
| 04/20/2022 | 18:15:00 - 18:30:00 | 7 | 1 | 4 | 4 | 2 | 4.3 | 176.6 | 14.3 | 55.1 | 988.0 |
| 04/20/2022 | 18:30:00 - 18:45:00 | 7 | 1 | 4 | 4 | 2 | 2.8 | 170.7 | 13.3 | 62.1 | 988.2 |
| 04/20/2022 | 18:45:00 - 19:00:00 | 7 | 1 | 4 | 4 | 2 | 4.1 | 171.0 | 13.3 | 62.2 | 988.0 |
| 04/20/2022 | 19:00:00 - 19:15:00 | 7 | 2 | 4 | 4 | 2 | 3.9 | 163.3 | 12.7 | 66.7 | 987.9 |
| 04/20/2022 | 19:15:00 - 19:30:00 | 7 | 2 | 5 | 4 | 2 | 3.4 | 162.7 | 12.3 | 69.7 | 987.6 |
| 04/20/2022 | 19:30:00 - 19:45:00 | 7 | 2 | 5 | 4 | 2 | 3.4 | 162.9 | 12.4 | 69.4 | 987.0 |
| 04/20/2022 | 19:45:00 - 20:00:00 | 7 | 2 | 5 | 4 | 2 | 3.8 | 172.4 | 12.6 | 68.3 | 987.0 |
| 04/20/2022 | 20:00:00 - 20:15:00 | 8 | 2 | 5 | 4 | 2 | 4.0 | 185.5 | 12.3 | 72.6 | 986.9 |
| 04/20/2022 | 20:15:00 - 20:30:00 | 8 | 2 | 5 | 4 | 2 | 3.9 | 170.9 | 11.9 | 76.2 | 986.8 |
| 04/20/2022 | 20:30:00 - 20:45:00 | 8 | 3 | 5 | 4 | 3 | 3.5 | 177.4 | 11.8 | 76.3 | 986.9 |
| 04/20/2022 | 20:45:00 - 21:00:00 | 8 | 2 | 5 | 4 | 2 | 3.2 | 179.1 | 12.0 | 76.1 | 986.9 |
| 04/20/2022 | 21:00:00 - 21:15:00 | 7 | 2 | 5 | 4 | 2 | 4.0 | 184.3 | 11.7 | 80.0 | 987.0 |
| 04/20/2022 | 21:15:00 - 21:30:00 | 7 | 2 | 5 | 4 | 2 | 4.7 | 187.5 | 11.7 | 81.2 | 987.2 |
| 04/20/2022 | 21:30:00 - 21:45:00 | 7 | 2 | 5 | 4 | 2 | 5.7 | 199.7 | 11.9 | 80.7 | 987.4 |
| 04/20/2022 | 21:45:00 - 22:00:00 | 7 | 2 | 5 | 4 | 2 | 7.0 | 203.8 | 12.0 | 82.9 | 987.6 |
| 04/20/2022 | 22:00:00 - 22:15:00 | 7 | 2 | 5 | 4 | 2 | 5.7 | 202.2 | 11.4 | 88.7 | 987.7 |
| 04/20/2022 | 22:15:00 - 22:30:00 | 8 | 3 | 5 | 4 | 3 | 5.8 | 199.2 | 11.0 | 92.5 | 987.8 |
| 04/20/2022 | 22:30:00 - 22:45:00 | 8 | 3 | 5 | 4 | 2 | 4.8 | 199.9 | 11.0 | 94.2 | 987.7 |
| 04/20/2022 | 22:45:00 - 23:00:00 | 8 | 2 | 5 | 4 | 2 | 6.3 | 204.1 | 11.0 | 95.0 | 987.8 |
| 04/20/2022 | 23:00:00 - 23:15:00 | 8 | 3 | 5 | 5 | 3 | 5.4 | 204.7 | 11.0 | 95.0 | 987.9 |
| 04/20/2022 | 23:15:00 - 23:30:00 | 8 | 3 | 5 | 5 | 3 | 6.1 | 199.1 | 11.0 | 95.0 | 988.0 |
| 04/20/2022 | 23:30:00 - 23:45:00 | 8 | 3 | 5 | 5 | 3 | 6.2 | 203.1 | 11.0 | 95.4 | 988.1 |
| 04/21/2022 | 23:45:00 - 00:00:00 | 8 | 3 | 5 | 5 | 3 | 5.2 | 202.4 | 10.9 | 96.9 | 988.0 |
| 04/21/2022 | 00:00:00 - 00:15:00 | 8 | 3 | 5 | 5 | 3 | 4.8 | 202.6 | 10.8 | 97.0 | 988.1 |
| 04/21/2022 | 00:15:00 - 00:30:00 | 8 | 3 | 5 | 5 | 3 | 5.4 | 201.7 | 10.8 | 97.6 | 988.2 |
| 04/21/2022 | 00:30:00 - 00:45:00 | 8 | 3 | 5 | 5 | 3 | 5.9 | 197.9 | 10.8 | 98.0 | 988.3 |
| 04/21/2022 | 00:45:00 - 01:00:00 | 8 | 3 | 5 | 5 | 3 | 4.6 | 207.9 | 10.7 | 98.0 | 988.6 |
| 04/21/2022 | 01:00:00 - 01:15:00 | 8 | 3 | 5 | 5 | 3 | 6.3 | 201.5 | 10.7 | 98.0 | 988.6 |
| 04/21/2022 | 01:15:00 - 01:30:00 | 8 | 3 | 6 | 5 | 3 | 5.9 | 206.8 | 10.7 | 98.6 | 988.5 |
| 04/21/2022 | 01:30:00 - 01:45:00 | 8 | 3 | 6 | 5 | 3 | 7.7 | 202.7 | 10.7 | 99.0 | 988.4 |
| 04/21/2022 | 01:45:00 - 02:00:00 | 8 | 3 | 6 | 5 | 3 | 5.5 | 208.7 | 10.8 | 99.0 | 988.4 |
| 04/21/2022 | 02:00:00 - 02:15:00 | 8 | 3 | 6 | 5 | 3 | 5.0 | 208.0 | 10.8 | 99.0 | 988.4 |
| 04/21/2022 | 02:15:00 - 02:30:00 | 9 | 3 | 6 | 5 | 3 | 5.6 | 212.3 | 10.8 | 99.0 | 988.4 |
| 04/21/2022 | 02:30:00 - 02:45:00 | 8 | 3 | 6 | 5 | 3 | 6.4 | 211.5 | 10.8 | 99.0 | 988.4 |
| 04/21/2022 | 02:45:00 - 03:00:00 | 9 | 3 | 6 | 5 | 3 | 6.5 | 212.7 | 10.8 | 99.0 | 988.6 |
| 04/21/2022 | 03:00:00 - 03:15:00 | 9 | 4 | 6 | 6 | 4 | 6.5 | 211.0 | 10.9 | 99.7 | 988.7 |
| 04/21/2022 | 03:15:00 - 03:30:00 | 9 | 4 | 6 | 6 | 4 | 5.7 | 214.7 | 10.9 | 100.0 | 988.8 |
| 04/21/2022 | 03:30:00 - 03:45:00 | 9 | 4 | 6 | 6 | 4 | 5.4 | 215.7 | 10.9 | 100.0 | 989.0 |
| 04/21/2022 | 03:45:00 - 04:00:00 | 9 | 4 | 6 | 6 | 4 | 4.5 | 219.2 | 10.9 | 100.0 | 989.3 |
| 04/21/2022 | 04:00:00 - 04:15:00 | 9 | 4 | 6 | 6 | 4 | 4.1 | 232.3 | 11.0 | 100.0 | 989.6 |
| 04/21/2022 | 04:15:00 - 04:30:00 | 10 | 4 | 7 | 7 | 5 | 3.8 | 238.7 | 11.0 | 100.0 | 989.9 |
| 04/21/2022 | 04:30:00 - 04:45:00 | 11 | 5 | 7 | 7 | 6 | 4.3 | 232.0 | 11.1 | 100.0 | 990.1 |
| 04/21/2022 | 04:45:00 - 05:00:00 | 12 | 6 | 8 | 8 | 6 | 3.6 | 239.7 | 11.1 | 100.0 | 990.4 |
| 04/21/2022 | 05:00:00 - 05:15:00 | 13 | 6 | 9 | 9 | 8 | 3.3 | 230.6 | 11.1 | 100.0 | 990.6 |
| 04/21/2022 | 05:15:00 - 05:30:00 | 13 | 7 | 9 | 10 | 8 | 3.6 | 252.1 | 11.2 | 100.0 | 990.9 |
| 04/21/2022 | 05:30:00 - 05:45:00 | 14 | 7 | 10 | 10 | 8 | 3.2 | 248.2 | 11.3 | 100.0 | 991.2 |
| 04/21/2022 | 05:45:00 - 06:00:00 | 13 | 7 | 9 | 10 | 8 | 3.7 | 255.9 | 11.3 | 100.0 | 991.5 |
| 04/21/2022 | 06:00:00 - 06:15:00 | 12 | 6 | 9 | 9 | 7 | 4.8 | 259.2 | 11.4 | 100.0 | 991.8 |
| 04/21/2022 | 06:15:00 - 06:30:00 | 12 | 6 | 8 | 9 | 7 | 4.6 | 267.7 | 11.4 | 100.0 | 992.1 |
| 04/21/2022 | 06:30:00 - 06:45:00 | 12 | 6 | 8 | 8 | 7 | 5.5 | 268.1 | 11.4 | 100.0 | 992.5 |
| 04/21/2022 | 06:45:00 - 07:00:00 | 12 | 5 | 8 | 8 | 6 | 4.1 | 267.6 | 11.5 | 100.0 | 992.8 |
| 04/21/2022 | 07:00:00 - 07:15:00 | 11 | 5 | 8 | 7 | 6 | 5.0 | 268.4 | 11.5 | 99.1 | 993.1 |
| 04/21/2022 | 07:15:00 - 07:30:00 | 10 | 4 | 7 | 6 | 5 | 3.3 | 269.6 | 11.6 | 99.0 | 993.5 |
| 04/21/2022 | 07:30:00 - 07:45:00 | 9 | 3 | 6 | 6 | 3 | 3.4 | 259.2 | 11.8 | 97.9 | 993.8 |
| 04/21/2022 | 07:45:00 - 08:00:00 | 8 | 3 | 5 | 5 | 3 | 4.0 | 265.9 | 12.0 | 96.8 | 994.1 |
| 04/21/2022 | 08:00:00 - 08:15:00 | 8 | 2 | 5 | 5 | 3 | 4.4 | 270.5 | 12.1 | 95.6 | 994.4 |
| 04/21/2022 | 08:15:00 - 08:30:00 | 9 | 3 | 5 | 5 | 3 | 4.5 | 264.9 | 12.2 | 93.8 | 994.8 |
| 04/21/2022 | 08:30:00 - 08:45:00 | 8 | 2 | 5 | 5 | 3 | 3.5 | 266.8 | 12.5 | 92.9 | 995.1 |
| 04/21/2022 | 08:45:00 - 09:00:00 | 9 | 3 | 6 | 5 | 4 | 3.4 | 286.1 | 12.9 | 88.9 | 995.2 |
| 04/21/2022 | 09:00:00 - 09:15:00 | 9 | 2 | 6 | 5 | 4 | 3.5 | 283.7 | 13.0 | 86.3 | 995.4 |
| 04/21/2022 | 09:15:00 - 09:30:00 | 9 | 3 | 6 | 5 | 4 | 3.5 | 277.2 | 13.1 | 85.7 | 995.7 |
| 04/21/2022 | 09:30:00 - 09:45:00 | 8 | 2 | 5 | 5 | 3 | 3.2 | 286.0 | 13.1 | 85.4 | 996.2 |
| 04/21/2022 | 09:45:00 - 10:00:00 | 9 | 3 | 6 | 5 | 4 | 3.7 | 297.0 | 13.0 | 87.6 | 996.5 |
| 04/21/2022 | 10:00:00 - 10:15:00 | 10 | 3 | 6 | 6 | 4 | 4.0 | 280.6 | 13.1 | 85.6 | 996.8 |
| 04/21/2022 | 10:15:00 - 10:30:00 | 9 | 3 | 6 | 5 | 3 | 4.6 | 276.8 | 13.1 | 84.5 | 997.1 |
| 04/21/2022 | 10:30:00 - 10:45:00 | 8 | 1 | 5 | 4 | 2 | 5.1 | 258.2 | 13.3 | 83.2 | 997.5 |
| 04/21/2022 | 10:45:00 - 11:00:00 | 7 | 1 | 4 | 3 | 1 | 4.9 | 269.9 | 13.6 | 82.0 | 997.9 |
| 04/21/2022 | 11:00:00 - 11:15:00 | 7 | 0 | 4 | 3 | 1 | 5.1 | 279.7 | 13.9 | 81.3 | 998.1 |
| 04/21/2022 | 11:15:00 - 11:30:00 | 7 | 1 | 4 | 1 | 1 | 4.4 | 286.4 | 14.3 | 80.3 | 998.3 |
| 04/21/2022 | 11:30:00 - 11:45:00 | 8 | 1 | 4 | 1 | 1 | 5.6 | 272.8 | 14.2 | 78.4 | 998.5 |
| 04/21/2022 | 11:45:00 - 12:00:00 | 8 | 1 | 5 | 1 | 1 | 5.9 | 266.7 | 14.4 | 78.6 | 998.6 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 04/21/2022 | 12:00:00 - 12:15:00 | 8 | 1 | 4 | 1 | 0 | 4.3 | 263.8 | 15.0 | 78.0 | 998.6 |
| 04/21/2022 | 12:15:00 - 12:30:00 | 8 | 1 | 4 | 1 | 0 | 4.3 | 261.7 | 15.2 | 76.8 | 998.5 |
| 04/21/2022 | 12:30:00 - 12:45:00 | 8 | 1 | 4 | 1 | 0 | 4.4 | 277.2 | 15.5 | 76.9 | 998.7 |
| 04/21/2022 | 12:45:00 - 13:00:00 | 8 | 1 | 4 | 1 | 0 | 5.0 | 280.1 | 15.8 | 76.3 | 998.8 |
| 04/21/2022 | 13:00:00 - 13:15:00 | 9 | 1 | 4 | 1 | 0 | 4.6 | 265.7 | 16.3 | 76.0 | 998.9 |
| 04/21/2022 | 13:15:00 - 13:30:00 | 8 | 1 | 4 | 1 | 0 | 4.6 | 265.6 | 16.7 | 73.7 | 998.9 |
| 04/21/2022 | 13:30:00 - 13:45:00 | 8 | 1 | 4 | 1 | 0 | 3.4 | 263.7 | 17.1 | 73.6 | 998.8 |
| 04/21/2022 | 13:45:00 - 14:00:00 | 9 | 0 | 4 | 1 | 0 | 3.8 | 275.8 | 17.2 | 72.5 | 998.7 |
| 04/21/2022 | 14:00:00 - 14:15:00 | 96 | 0 | 70 | 1 | 0 | 4.1 | 287.4 | 17.7 | 70.5 | 998.7 |
| 04/21/2022 | 14:15:00 - 14:30:00 | 12 | 0 | 7 | 1 | 0 | 4.3 | 262.3 | 18.0 | 68.4 | 998.7 |
| 04/21/2022 | 14:30:00 - 14:45:00 | 8 | 0 | 3 | 1 | 0 | 3.0 | 301.6 | 18.5 | 68.1 | 998.6 |
| 04/21/2022 | 14:45:00 - 15:00:00 | 7 | 0 | 3 | 1 | 0 | 3.3 | 306.6 | 19.0 | 64.2 | 998.6 |
| 04/21/2022 | 15:00:00 - 15:15:00 | 7 | 0 | 3 | 1 | 0 | 3.5 | 290.4 | 19.4 | 60.0 | 998.5 |
| 04/21/2022 | 15:15:00 - 15:30:00 | 7 | 0 | 3 | 1 | 0 | 3.1 | 294.6 | 20.0 | 57.7 | 998.5 |
| 04/21/2022 | 15:30:00 - 15:45:00 | 7 | 0 | 3 | 1 | -1 | 3.4 | 309.8 | 20.4 | 55.7 | 998.5 |
| 04/21/2022 | 15:45:00 - 16:00:00 | 6 | 1 | 2 | 1 | -1 | 2.2 | 317.4 | 20.9 | 45.4 | 998.5 |
| 04/21/2022 | 16:00:00 - 16:15:00 | 6 | 7 | 2 | 1 | -1 | 2.4 | 340.9 | 21.6 | 31.8 | 998.5 |
| 04/21/2022 | 16:15:00 - 16:30:00 | 6 | 1 | 2 | 1 | -1 | 1.7 | 46.2 | 21.6 | 32.6 | 998.5 |
| 04/21/2022 | 16:30:00 - 16:45:00 | 6 | 0 | 2 | 1 | -1 | 2.8 | 0.3 | 21.8 | 36.6 | 998.6 |
| 04/21/2022 | 16:45:00 - 17:00:00 | 6 | 0 | 2 | 1 | -1 | 1.5 | 11.5 | 21.6 | 38.4 | 998.6 |
| 04/21/2022 | 17:00:00 - 17:15:00 | 6 | 0 | 2 | 1 | 0 | 2.7 | 351.9 | 22.1 | 35.8 | 998.6 |
| 04/21/2022 | 17:15:00 - 17:30:00 | 6 | 0 | 2 | 1 | 0 | 2.4 | 18.0 | 21.8 | 34.7 | 998.7 |
| 04/21/2022 | 17:30:00 - 17:45:00 | 6 | 0 | 2 | 1 | 0 | 2.7 | 60.3 | 21.6 | 35.1 | 998.8 |
| 04/21/2022 | 17:45:00 - 18:00:00 | 6 | 0 | 2 | 1 | 0 | 1.6 | 10.2 | 21.9 | 35.7 | 998.8 |
| 04/21/2022 | 18:00:00 - 18:15:00 | 6 | 0 | 2 | 1 | 0 | 0.3 | 70.4 | 22.2 | 35.3 | 998.9 |
| 04/21/2022 | 18:15:00 - 18:30:00 | 6 | 0 | 2 | 1 | 0 | 3.2 | 57.9 | 21.4 | 37.5 | 998.9 |
| 04/21/2022 | 18:30:00 - 18:45:00 | 7 | 0 | 2 | 1 | 0 | 2.6 | 71.1 | 20.9 | 38.0 | 999.0 |
| 04/21/2022 | 18:45:00 - 19:00:00 | 7 | 0 | 2 | 1 | 0 | 2.4 | 84.8 | 20.7 | 38.0 | 999.1 |
| 04/21/2022 | 19:00:00 - 19:15:00 | 7 | 0 | 3 | 1 | 0 | 2.7 | 68.6 | 20.3 | 39.7 | 999.1 |
| 04/21/2022 | 19:15:00 - 19:30:00 | 8 | 1 | 3 | 1 | 1 | 2.0 | 80.5 | 19.7 | 41.8 | 999.3 |
| 04/21/2022 | 19:30:00 - 19:45:00 | 7 | 1 | 3 | 1 | 1 | 2.0 | 90.7 | 19.0 | 44.4 | 999.5 |
| 04/21/2022 | 19:45:00 - 20:00:00 | 8 | 3 | 4 | 1 | 2 | 1.9 | 96.6 | 18.2 | 47.2 | 999.5 |
| 04/21/2022 | 20:00:00 - 20:15:00 | 13 | 5 | 8 | 1 | 13 | 1.4 | 74.9 | 17.3 | 51.3 | 999.6 |
| 04/21/2022 | 20:15:00 - 20:30:00 | 15 | 9 | 9 | 1 | 9 | 0.8 | 105.7 | 16.5 | 53.8 | 999.8 |
| 04/21/2022 | 20:30:00 - 20:45:00 | 15 | 6 | 9 | 1 | 8 | 0.3 | 221.2 | 16.0 | 57.0 | 1000.3 |
| 04/21/2022 | 20:45:00 - 21:00:00 | 14 | 7 | 9 | 1 | 9 | 0.1 | 305.0 | 15.5 | 59.5 | 1000.6 |
| 04/21/2022 | 21:00:00 - 21:15:00 | 14 | 6 | 9 | 1 | 7 | 0.6 | 186.6 | 15.3 | 59.7 | 1000.9 |
| 04/21/2022 | 21:15:00 - 21:30:00 | 13 | 5 | 9 | 1 | 7 | 0.6 | 250.3 | 15.5 | 60.4 | 1001.1 |
| 04/21/2022 | 21:30:00 - 21:45:00 | 12 | 5 | 8 | 1 | 6 | 0.2 | 219.4 | 15.4 | 61.1 | 1001.4 |
| 04/21/2022 | 21:45:00 - 22:00:00 | 17 | 20 | 12 | 1 | 9 | 0.6 | 83.4 | 14.7 | 63.9 | 1001.4 |
| 04/21/2022 | 22:00:00 - 22:15:00 | 24 | 24 | 16 | 1 | 36 | 0.6 | 133.9 | 14.0 | 64.6 | 1001.6 |
| 04/21/2022 | 22:15:00 - 22:30:00 | 21 | 18 | 15 | 1 | 21 | 0.8 | 126.6 | 14.4 | 64.5 | 1001.6 |
| 04/21/2022 | 22:30:00 - 22:45:00 | 13 | 4 | 8 | 1 | 9 | 1.6 | 159.6 | 15.4 | 58.7 | 1001.5 |
| 04/21/2022 | 22:45:00 - 23:00:00 | 7 | 1 | 4 | 1 | 1 | 1.8 | 158.3 | 16.7 | 53.2 | 1001.2 |
| 04/21/2022 | 23:00:00 - 23:15:00 | 7 | 1 | 4 | 1 | 2 | 1.6 | 180.5 | 16.8 | 55.8 | 1001.2 |
| 04/21/2022 | 23:15:00 - 23:30:00 | 8 | 1 | 5 | 1 | 2 | 2.0 | 166.4 | 16.7 | 61.3 | 1001.2 |
| 04/21/2022 | 23:30:00 - 23:45:00 | 8 | 1 | 5 | 1 | 3 | 1.8 | 183.6 | 16.3 | 65.6 | 1001.3 |
| 04/22/2022 | 23:45:00 - 00:00:00 | 8 | 2 | 5 | 1 | 3 | 2.3 | 189.4 | 16.0 | 69.1 | 1001.6 |
| 04/22/2022 | 00:00:00 - 00:15:00 | 8 | 2 | 5 | 1 | 3 | 2.4 | 185.5 | 15.5 | 71.2 | 1001.7 |
| 04/22/2022 | 00:15:00 - 00:30:00 | 9 | 2 | 5 | 1 | 3 | 2.4 | 186.2 | 15.2 | 73.9 | 1001.7 |
| 04/22/2022 | 00:30:00 - 00:45:00 | 9 | 2 | 6 | 1 | 3 | 1.6 | 173.9 | 15.1 | 76.4 | 1001.6 |
| 04/22/2022 | 00:45:00 - 01:00:00 | 9 | 2 | 6 | 1 | 4 | 1.6 | 207.8 | 15.1 | 77.8 | 1001.6 |
| 04/22/2022 | 01:00:00 - 01:15:00 | 10 | 3 | 6 | 1 | 4 | 1.3 | 118.5 | 15.0 | 79.4 | 1001.5 |
| 04/22/2022 | 01:15:00 - 01:30:00 | 11 | 4 | 7 | 1 | 6 | 3.3 | 111.0 | 15.2 | 81.4 | 1000.3 |
| 04/22/2022 | 01:30:00 - 01:45:00 | 11 | 4 | 7 | 1 | 6 | 2.1 | 147.3 | 14.9 | 84.5 | 999.8 |
| 04/22/2022 | 01:45:00 - 02:00:00 | 12 | 5 | 8 | 1 | 7 | 1.4 | 180.0 | 14.8 | 85.2 | 1000.3 |
| 04/22/2022 | 02:00:00 - 02:15:00 | 13 | 5 | 9 | 1 | 8 | 0.7 | 168.0 | 14.8 | 85.5 | 1000.9 |
| 04/22/2022 | 02:15:00 - 02:30:00 | 13 | 6 | 9 | 1 | 8 | 0.8 | 179.1 | 14.6 | 86.0 | 1001.3 |
| 04/22/2022 | 02:30:00 - 02:45:00 | 13 | 6 | 9 | 1 | 8 | 0.3 | 236.9 | 14.6 | 86.5 | 1001.8 |
| 04/22/2022 | 02:45:00 - 03:00:00 | 14 | 6 | 9 | 1 | 9 | 1.4 | 74.1 | 14.3 | 88.5 | 1001.9 |
| 04/22/2022 | 03:00:00 - 03:15:00 | 14 | 6 | 10 | 1 | 9 | 1.3 | 90.1 | 13.9 | 91.4 | 1001.9 |
| 04/22/2022 | 03:15:00 - 03:30:00 | 13 | 6 | 9 | 1 | 8 | 2.2 | 118.0 | 13.7 | 92.7 | 1001.7 |
| 04/22/2022 | 03:30:00 - 03:45:00 | 13 | 6 | 9 | 1 | 8 | 2.5 | 95.0 | 13.5 | 92.2 | 1001.4 |
| 04/22/2022 | 03:45:00 - 04:00:00 | 16 | 7 | 11 | 1 | 11 | 3.0 | 75.6 | 13.0 | 93.4 | 1001.1 |
| 04/22/2022 | 04:00:00 - 04:15:00 | 13 | 6 | 9 | 1 | 8 | 2.5 | 88.7 | 12.8 | 94.0 | 1000.7 |
| 04/22/2022 | 04:15:00 - 04:30:00 | 13 | 6 | 9 | 1 | 8 | 1.6 | 119.3 | 12.6 | 94.0 | 1000.9 |
| 04/22/2022 | 04:30:00 - 04:45:00 | 14 | 6 | 9 | 1 | 8 | 2.4 | 80.3 | 12.5 | 94.0 | 1000.9 |
| 04/22/2022 | 04:45:00 - 05:00:00 | 14 | 6 | 9 | 1 | 8 | 2.6 | 123.9 | 12.4 | 94.1 | 1000.8 |
| 04/22/2022 | 05:00:00 - 05:15:00 | 14 | 7 | 10 | 1 | 9 | 3.0 | 113.1 | 12.5 | 93.2 | 1001.1 |
| 04/22/2022 | 05:15:00 - 05:30:00 | 15 | 7 | 10 | 1 | 9 | 3.2 | 128.9 | 12.6 | 93.1 | 1000.7 |
| 04/22/2022 | 05:30:00 - 05:45:00 | 15 | 8 | 10 | 1 | 10 | 4.2 | 116.2 | 13.0 | 92.3 | 1000.4 |
| 04/22/2022 | 05:45:00 - 06:00:00 | 15 | 7 | 10 | 1 | 10 | 3.9 | 115.6 | 13.2 | 91.1 | 1000.4 |
| 04/22/2022 | 06:00:00 - 06:15:00 | 15 | 7 | 10 | 1 | 9 | 2.9 | 129.4 | 13.2 | 91.0 | 1000.6 |
| 04/22/2022 | 06:15:00 - 06:30:00 | 15 | 8 | 11 | 1 | 10 | 4.3 | 133.3 | 13.3 | 91.0 | 1000.5 |
| 04/22/2022 | 06:30:00 - 06:45:00 | 15 | 8 | 10 | 1 | 10 | 3.6 | 128.3 | 13.4 | 90.2 | 1000.6 |
| 04/22/2022 | 06:45:00 - 07:00:00 | 14 | 7 | 10 | 1 | 9 | 4.1 | 139.0 | 13.5 | 89.9 | 1000.7 |
| 04/22/2022 | 07:00:00 - 07:15:00 | 14 | 7 | 10 | 1 | 9 | 3.6 | 138.6 | 13.7 | 89.0 | 1001.0 |
| 04/22/2022 | 07:15:00 - 07:30:00 | 14 | 7 | 10 | 1 | 9 | 2.9 | 140.6 | 13.8 | 88.5 | 1001.5 |
| 04/22/2022 | 07:30:00 - 07:45:00 | 15 | 7 | 10 | 1 | 10 | 3.1 | 130.1 | 13.8 | 89.0 | 1001.7 |
| 04/22/2022 | 07:45:00 - 08:00:00 | 15 | 8 | 11 | 1 | 10 | 2.8 | 256.8 | 13.7 | 89.3 | 1002.8 |
| 04/22/2022 | 08:00:00 - 08:15:00 | 15 | 8 | 11 | 1 | 10 | 1.1 | 126.9 | 13.5 | 90.6 | 1002.6 |
| 04/22/2022 | 08:15:00 - 08:30:00 | 16 | 8 | 11 | 1 | 11 | 1.8 | 143.8 | 13.3 | 93.3 | 1002.4 |
| 04/22/2022 | 08:30:00 - 08:45:00 | 16 | 8 | 11 | 1 | 11 | 4.3 | 101.0 | 13.4 | 92.9 | 1002.0 |
| 04/22/2022 | 08:45:00 - 09:00:00 | 17 | 9 | 12 | 1 | 12 | 2.3 | 57.2 | 13.5 | 92.5 | 1002.0 |
| 04/22/2022 | 09:00:00 - 09:15:00 | 17 | 8 | 11 | 6 | 13 | 4.6 | 110.9 | 13.7 | 93.3 | 1001.6 |
| 04/22/2022 | 09:15:00 - 09:30:00 | 16 | 8 | 11 | 12 | 12 | 3.1 | 122.0 | 14.1 | 91.6 | 1001.6 |
| 04/22/2022 | 09:30:00 - 09:45:00 | 15 | 8 | 10 | 12 | 10 | 3.9 | 134.5 | 14.2 | 90.8 | 1001.5 |
| 04/22/2022 | 09:45:00 - 10:00:00 | 16 | 7 | 10 | 11 | 10 | 4.0 | 124.7 | 14.3 | 90.6 | 1001.3 |
| 04/22/2022 | 10:00:00 - 10:15:00 | 13 | 5 | 8 | 9 | 7 | 5.3 | 133.3 | 14.8 | 86.2 | 1001.1 |
| 04/22/2022 | 10:15:00 - 10:30:00 | 12 | 5 | 8 | 8 | 7 | 5.9 | 126.7 | 15.2 | 82.9 | 1001.0 |
| 04/22/2022 | 10:30:00 - 10:45:00 | 10 | 3 | 7 | 7 | 6 | 6.3 | 124.1 | 15.3 | 79.9 | 1000.7 |
| 04/22/2022 | 10:45:00 - 11:00:00 | 9 | 2 | 5 | 5 | 3 | 6.0 | 125.8 | 15.8 | 76.5 | 1000.3 |
| 04/22/2022 | 11:00:00 - 11:15:00 | 9 | 2 | 5 | 5 | 3 | 5.7 | 124.9 | 16.2 | 74.2 | 999.8 |
| 04/22/2022 | 11:15:00 - 11:30:00 | 10 | 2 | 6 | 6 | 4 | 6.5 | 141.6 | 16.7 | 74.6 | 999.4 |
| 04/22/2022 | 11:30:00 - 11:45:00 | 11 | 3 | 6 | 6 | 5 | 6.8 | 122.5 | 17.2 | 76.1 | 998.9 |
| 04/22/2022 | 11:45:00 - 12:00:00 | 11 | 3 | 7 | 7 | 4 | 6.0 | 125.0 | 17.6 | 76.8 | 998.9 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 04/22/2022 | 12:00:00 - 12:15:00 | 12 | 4 | 7 | 7 | 5 | 6.7 | 130.0 | 17.9 | 78.0 | 998.7 |
| 04/22/2022 | 12:15:00 - 12:30:00 | 12 | 4 | 7 | 8 | 6 | 7.6 | 141.1 | 18.5 | 77.4 | 998.2 |
| 04/22/2022 | 12:30:00 - 12:45:00 | 14 | 5 | 8 | 8 | 6 | 7.9 | 145.8 | 18.8 | 78.2 | 998.0 |
| 04/22/2022 | 12:45:00 - 13:00:00 | 15 | 6 | 8 | 9 | 7 | 7.9 | 138.1 | 19.4 | 78.4 | 997.8 |
| 04/22/2022 | 13:00:00 - 13:15:00 | 14 | 6 | 8 | 9 | 6 | 5.9 | 135.3 | 20.4 | 77.7 | 997.5 |
| 04/22/2022 | 13:15:00 - 13:30:00 | 15 | 6 | 8 | 9 | 6 | 6.6 | 144.8 | 21.0 | 76.7 | 997.2 |
| 04/22/2022 | 13:30:00 - 13:45:00 | 14 | 6 | 8 | 9 | 7 | 5.4 | 147.1 | 22.0 | 75.0 | 997.0 |
| 04/22/2022 | 13:45:00 - 14:00:00 | 14 | 6 | 8 | 9 | 5 | 4.9 | 156.6 | 22.9 | 72.7 | 996.7 |
| 04/22/2022 | 14:00:00 - 14:15:00 | 14 | 6 | 8 | 9 | 6 | 4.9 | 162.2 | 23.5 | 70.8 | 996.2 |
| 04/22/2022 | 14:15:00 - 14:30:00 | 14 | 6 | 8 | 9 | 4 | 4.4 | 179.1 | 24.2 | 68.4 | 996.0 |
| 04/22/2022 | 14:30:00 - 14:45:00 | 14 | 6 | 8 | 9 | 5 | 4.4 | 164.5 | 24.7 | 66.8 | 996.0 |
| 04/22/2022 | 14:45:00 - 15:00:00 | 14 | 5 | 8 | 10 | 5 | 4.2 | 177.9 | 24.5 | 67.4 | 995.8 |
| 04/22/2022 | 15:00:00 - 15:15:00 | 14 | 6 | 8 | 10 | 6 | 4.3 | 189.4 | 25.0 | 64.5 | 995.5 |
| 04/22/2022 | 15:15:00 - 15:30:00 | 15 | 6 | 8 | 9 | 5 | 5.4 | 185.5 | 25.4 | 63.0 | 995.1 |
| 04/22/2022 | 15:30:00 - 15:45:00 | 15 | 6 | 8 | 9 | 5 | 4.9 | 187.7 | 25.5 | 62.3 | 994.9 |
| 04/22/2022 | 15:45:00 - 16:00:00 | 14 | 6 | 8 | 8 | 4 | 4.8 | 196.3 | 26.1 | 59.9 | 994.6 |
| 04/22/2022 | 16:00:00 - 16:15:00 | 14 | 6 | 8 | 8 | 4 | 4.9 | 189.2 | 26.3 | 58.8 | 994.4 |
| 04/22/2022 | 16:15:00 - 16:30:00 | 14 | 5 | 8 | 8 | 4 | 4.0 | 183.4 | 26.5 | 58.3 | 994.1 |
| 04/22/2022 | 16:30:00 - 16:45:00 | 14 | 6 | 8 | 8 | 4 | 4.4 | 187.4 | 26.3 | 58.1 | 993.8 |
| 04/22/2022 | 16:45:00 - 17:00:00 | 15 | 6 | 8 | 8 | 4 | 4.6 | 186.4 | 26.5 | 58.2 | 993.6 |
| 04/22/2022 | 17:00:00 - 17:15:00 | 15 | 6 | 8 | 9 | 5 | 5.7 | 196.5 | 26.5 | 57.6 | 993.6 |
| 04/22/2022 | 17:15:00 - 17:30:00 | 15 | 6 | 8 | 9 | 5 | 3.7 | 171.4 | 26.6 | 57.8 | 993.6 |
| 04/22/2022 | 17:30:00 - 17:45:00 | 15 | 6 | 8 | 9 | 5 | 4.6 | 186.1 | 26.6 | 57.0 | 993.5 |
| 04/22/2022 | 17:45:00 - 18:00:00 | 15 | 6 | 8 | 9 | 5 | 3.1 | 187.7 | 26.6 | 56.7 | 993.6 |
| 04/22/2022 | 18:00:00 - 18:15:00 | 15 | 6 | 8 | 9 | 5 | 2.6 | 167.6 | 26.4 | 58.1 | 993.7 |
| 04/22/2022 | 18:15:00 - 18:30:00 | 16 | 6 | 9 | 9 | 5 | 3.0 | 158.8 | 25.9 | 59.4 | 993.7 |
| 04/22/2022 | 18:30:00 - 18:45:00 | 15 | 6 | 8 | 9 | 5 | 2.9 | 177.1 | 25.6 | 60.1 | 993.6 |
| 04/22/2022 | 18:45:00 - 19:00:00 | 15 | 6 | 8 | 9 | 5 | 3.0 | 185.8 | 25.2 | 61.3 | 993.5 |
| 04/22/2022 | 19:00:00 - 19:15:00 | 15 | 6 | 8 | 9 | 5 | 3.3 | 172.4 | 24.7 | 64.0 | 993.3 |
| 04/22/2022 | 19:15:00 - 19:30:00 | 15 | 6 | 8 | 9 | 5 | 3.6 | 174.1 | 24.2 | 66.0 | 993.1 |
| 04/22/2022 | 19:30:00 - 19:45:00 | 15 | 5 | 8 | 9 | 6 | 3.0 | 169.2 | 23.7 | 68.0 | 993.0 |
| 04/22/2022 | 19:45:00 - 20:00:00 | 15 | 5 | 8 | 8 | 5 | 3.1 | 177.0 | 23.2 | 69.8 | 992.9 |
| 04/22/2022 | 20:00:00 - 20:15:00 | 15 | 5 | 8 | 8 | 6 | 3.5 | 170.6 | 22.8 | 71.1 | 992.7 |
| 04/22/2022 | 20:15:00 - 20:30:00 | 15 | 5 | 8 | 8 | 6 | 3.2 | 165.4 | 22.3 | 72.8 | 992.6 |
| 04/22/2022 | 20:30:00 - 20:45:00 | 15 | 5 | 8 | 8 | 6 | 3.5 | 158.5 | 22.1 | 73.4 | 992.6 |
| 04/22/2022 | 20:45:00 - 21:00:00 | 15 | 5 | 8 | 8 | 6 | 2.8 | 161.3 | 21.9 | 74.0 | 992.6 |
| 04/22/2022 | 21:00:00 - 21:15:00 | 15 | 5 | 8 | 9 | 6 | 2.9 | 158.2 | 21.8 | 74.0 | 992.7 |
| 04/22/2022 | 21:15:00 - 21:30:00 | 15 | 5 | 8 | 9 | 7 | 2.6 | 153.9 | 21.5 | 74.6 | 992.7 |
| 04/22/2022 | 21:30:00 - 21:45:00 | 15 | 5 | 8 | 9 | 7 | 2.8 | 148.8 | 21.2 | 75.6 | 992.8 |
| 04/22/2022 | 21:45:00 - 22:00:00 | 15 | 5 | 8 | 9 | 7 | 2.6 | 154.9 | 20.9 | 76.5 | 992.8 |
| 04/22/2022 | 22:00:00 - 22:15:00 | 15 | 5 | 8 | 9 | 7 | 3.0 | 161.0 | 20.8 | 77.0 | 992.7 |
| 04/22/2022 | 22:15:00 - 22:30:00 | 15 | 5 | 8 | 9 | 7 | 2.5 | 168.7 | 20.5 | 77.1 | 992.6 |
| 04/22/2022 | 22:30:00 - 22:45:00 | 15 | 6 | 8 | 9 | 7 | 2.6 | 163.9 | 20.3 | 78.1 | 992.5 |
| 04/22/2022 | 22:45:00 - 23:00:00 | 15 | 6 | 9 | 9 | 8 | 1.9 | 168.2 | 19.8 | 79.6 | 992.4 |
| 04/22/2022 | 23:00:00 - 23:15:00 | 15 | 5 | 9 | 9 | 8 | 2.2 | 163.2 | 19.5 | 80.8 | 992.2 |
| 04/22/2022 | 23:15:00 - 23:30:00 | 15 | 5 | 9 | 9 | 8 | 1.8 | 172.5 | 19.1 | 81.7 | 992.1 |
| 04/22/2022 | 23:30:00 - 23:45:00 | 15 | 5 | 9 | 9 | 8 | 1.6 | 169.0 | 18.7 | 83.0 | 992.0 |
| 04/23/2022 | 23:45:00 - 00:00:00 | 15 | 4 | 9 | 9 | 8 | 2.3 | 177.8 | 18.8 | 82.2 | 991.8 |
| 04/23/2022 | 00:00:00 - 00:15:00 | 15 | 4 | 9 | 9 | 8 | 2.7 | 183.4 | 19.0 | 80.7 | 991.6 |
| 04/23/2022 | 00:15:00 - 00:30:00 | 15 | 5 | 9 | 9 | 8 | 2.4 | 175.3 | 18.9 | 80.3 | 991.5 |
| 04/23/2022 | 00:30:00 - 00:45:00 | 15 | 5 | 9 | 9 | 8 | 1.8 | 163.9 | 18.5 | 81.1 | 991.5 |
| 04/23/2022 | 00:45:00 - 01:00:00 | 15 | 5 | 9 | 9 | 8 | 1.9 | 169.6 | 18.3 | 81.9 | 991.4 |
| 04/23/2022 | 01:00:00 - 01:15:00 | 15 | 5 | 9 | 9 | 8 | 2.4 | 148.2 | 18.4 | 81.0 | 991.4 |
| 04/23/2022 | 01:15:00 - 01:30:00 | 14 | 5 | 9 | 9 | 8 | 2.3 | 149.4 | 18.2 | 81.0 | 991.3 |
| 04/23/2022 | 01:30:00 - 01:45:00 | 14 | 5 | 9 | 9 | 8 | 2.0 | 154.2 | 18.0 | 81.3 | 991.2 |
| 04/23/2022 | 01:45:00 - 02:00:00 | 14 | 5 | 9 | 9 | 8 | 1.7 | 149.7 | 17.9 | 81.0 | 991.1 |
| 04/23/2022 | 02:00:00 - 02:15:00 | 14 | 5 | 9 | 9 | 8 | 2.0 | 158.1 | 17.8 | 81.5 | 991.0 |
| 04/23/2022 | 02:15:00 - 02:30:00 | 14 | 5 | 9 | 9 | 8 | 2.2 | 159.1 | 17.8 | 81.0 | 990.8 |
| 04/23/2022 | 02:30:00 - 02:45:00 | 14 | 5 | 9 | 9 | 8 | 1.9 | 166.5 | 17.8 | 81.0 | 990.8 |
| 04/23/2022 | 02:45:00 - 03:00:00 | 14 | 5 | 9 | 9 | 8 | 2.0 | 163.7 | 17.5 | 81.2 | 990.7 |
| 04/23/2022 | 03:00:00 - 03:15:00 | 14 | 5 | 9 | 9 | 8 | 1.9 | 172.4 | 17.3 | 81.5 | 990.5 |
| 04/23/2022 | 03:15:00 - 03:30:00 | 14 | 5 | 9 | 8 | 8 | 2.2 | 182.2 | 17.2 | 81.2 | 990.3 |
| 04/23/2022 | 03:30:00 - 03:45:00 | 14 | 5 | 9 | 8 | 8 | 2.1 | 175.9 | 16.9 | 82.0 | 990.2 |
| 04/23/2022 | 03:45:00 - 04:00:00 | 14 | 5 | 9 | 8 | 8 | 2.3 | 174.5 | 16.7 | 82.2 | 990.1 |
| 04/23/2022 | 04:00:00 - 04:15:00 | 14 | 5 | 9 | 9 | 8 | 2.4 | 175.0 | 16.4 | 83.0 | 990.1 |
| 04/23/2022 | 04:15:00 - 04:30:00 | 14 | 5 | 9 | 9 | 8 | 2.7 | 181.5 | 16.4 | 82.5 | 990.1 |
| 04/23/2022 | 04:30:00 - 04:45:00 | 14 | 5 | 9 | 9 | 8 | 2.4 | 183.0 | 16.3 | 82.7 | 990.0 |
| 04/23/2022 | 04:45:00 - 05:00:00 | 14 | 5 | 9 | 8 | 8 | 2.8 | 180.8 | 16.5 | 82.0 | 990.0 |
| 04/23/2022 | 05:00:00 - 05:15:00 | 14 | 5 | 9 | 8 | 8 | 3.0 | 181.8 | 16.5 | 82.0 | 989.9 |
| 04/23/2022 | 05:15:00 - 05:30:00 | 14 | 5 | 8 | 8 | 8 | 3.1 | 179.3 | 16.4 | 82.0 | 989.8 |
| 04/23/2022 | 05:30:00 - 05:45:00 | 14 | 5 | 9 | 8 | 8 | 2.4 | 181.7 | 16.4 | 82.0 | 989.8 |
| 04/23/2022 | 05:45:00 - 06:00:00 | 14 | 5 | 8 | 8 | 7 | 2.7 | 182.9 | 16.3 | 82.0 | 989.8 |
| 04/23/2022 | 06:00:00 - 06:15:00 | 14 | 5 | 8 | 8 | 7 | 2.6 | 186.3 | 16.3 | 82.0 | 989.8 |
| 04/23/2022 | 06:15:00 - 06:30:00 | 14 | 4 | 8 | 8 | 7 | 2.5 | 183.1 | 16.4 | 81.7 | 989.9 |
| 04/23/2022 | 06:30:00 - 06:45:00 | 14 | 5 | 8 | 8 | 8 | 2.0 | 179.6 | 16.6 | 81.0 | 990.0 |
| 04/23/2022 | 06:45:00 - 07:00:00 | 14 | 5 | 9 | 8 | 8 | 2.4 | 164.4 | 17.3 | 79.0 | 990.1 |
| 04/23/2022 | 07:00:00 - 07:15:00 | 14 | 6 | 9 | 10 | 8 | 2.9 | 169.4 | 18.1 | 76.8 | 990.0 |
| 04/23/2022 | 07:15:00 - 07:30:00 | 14 | 6 | 9 | 9 | 8 | 3.4 | 160.5 | 18.5 | 75.9 | 990.0 |
| 04/23/2022 | 07:30:00 - 07:45:00 | 14 | 6 | 9 | 8 | 7 | 3.0 | 167.8 | 18.7 | 75.1 | 990.0 |
| 04/23/2022 | 07:45:00 - 08:00:00 | 14 | 6 | 9 | 14 | 7 | 3.2 | 169.9 | 18.8 | 75.3 | 990.0 |
| 04/23/2022 | 08:00:00 - 08:15:00 | 15 | 6 | 9 | 9 | 8 | 2.8 | 165.3 | 18.9 | 76.1 | 990.0 |
| 04/23/2022 | 08:15:00 - 08:30:00 | 15 | 5 | 9 | 33 | 7 | 3.4 | 176.7 | 19.6 | 75.1 | 990.0 |
| 04/23/2022 | 08:30:00 - 08:45:00 | 15 | 6 | 9 | 15 | 7 | 3.4 | 187.1 | 20.4 | 72.8 | 989.9 |
| 04/23/2022 | 08:45:00 - 09:00:00 | 15 | 6 | 9 | 9 | 7 | 4.1 | 186.4 | 21.0 | 71.4 | 989.8 |
| 04/23/2022 | 09:00:00 - 09:15:00 | 15 | 6 | 9 | 9 | 6 | 4.6 | 192.4 | 21.3 | 70.9 | 989.6 |
| 04/23/2022 | 09:15:00 - 09:30:00 | 15 | 6 | 9 | 10 | 6 | 5.7 | 196.0 | 21.7 | 69.5 | 989.6 |
| 04/23/2022 | 09:30:00 - 09:45:00 | 16 | 6 | 9 | 10 | 6 | 6.0 | 196.8 | 22.6 | 66.1 | 989.5 |
| 04/23/2022 | 09:45:00 - 10:00:00 | 15 | 6 | 8 | 9 | 6 | 7.7 | 205.2 | 22.6 | 65.9 | 989.5 |
| 04/23/2022 | 10:00:00 - 10:15:00 | 16 | 6 | 9 | 9 | 6 | 7.4 | 202.3 | 22.6 | 65.8 | 989.4 |
| 04/23/2022 | 10:15:00 - 10:30:00 | 17 | 6 | 9 | 9 | 5 | 6.4 | 205.1 | 23.4 | 64.0 | 989.4 |
| 04/23/2022 | 10:30:00 - 10:45:00 | 15 | 6 | 8 | 9 | 5 | 7.4 | 202.9 | 24.1 | 61.7 | 989.3 |
| 04/23/2022 | 10:45:00 - 11:00:00 | 15 | 6 | 8 | 10 | 5 | 7.6 | 198.1 | 24.3 | 60.6 | 989.1 |
| 04/23/2022 | 11:00:00 - 11:15:00 | 15 | 6 | 8 | 8 | 4 | 6.1 | 197.8 | 24.9 | 59.4 | 988.8 |
| 04/23/2022 | 11:15:00 - 11:30:00 | 15 | 6 | 8 | 8 | 5 | 6.2 | 195.5 | 25.4 | 57.1 | 988.7 |
| 04/23/2022 | 11:30:00 - 11:45:00 | 15 | 5 | 8 | 8 | 4 | 6.6 | 190.7 | 25.8 | 55.4 | 988.7 |
| 04/23/2022 | 11:45:00 - 12:00:00 | 14 | 5 | 8 | 8 | 4 | 5.2 | 183.0 | 25.8 | 54.3 | 988.7 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 04/23/2022 | 12:00:00 - 12:15:00 | 14 | 5 | 8 | 8 | 3 | 5.1 | 191.7 | 25.8 | 54.5 | 988.6 |
| 04/23/2022 | 12:15:00 - 12:30:00 | 14 | 5 | 8 | 8 | 4 | 5.6 | 187.0 | 25.6 | 55.1 | 988.5 |
| 04/23/2022 | 12:30:00 - 12:45:00 | 15 | 5 | 8 | 8 | 4 | 5.0 | 186.3 | 26.0 | 53.3 | 988.4 |
| 04/23/2022 | 12:45:00 - 13:00:00 | 15 | 6 | 8 | 8 | 4 | 4.4 | 188.5 | 26.6 | 52.2 | 988.1 |
| 04/23/2022 | 13:00:00 - 13:15:00 | 14 | 5 | 8 | 8 | 4 | 6.2 | 189.6 | 27.3 | 49.0 | 987.9 |
| 04/23/2022 | 13:15:00 - 13:30:00 | 15 | 5 | 8 | 8 | 3 | 5.4 | 188.1 | 27.7 | 48.6 | 987.7 |
| 04/23/2022 | 13:30:00 - 13:45:00 | 14 | 5 | 7 | 7 | 3 | 5.4 | 188.6 | 27.9 | 45.7 | 987.6 |
| 04/23/2022 | 13:45:00 - 14:00:00 | 14 | 5 | 7 | 7 | 3 | 5.3 | 187.6 | 27.9 | 45.5 | 987.5 |
| 04/23/2022 | 14:00:00 - 14:15:00 | 15 | 5 | 8 | 8 | 4 | 4.6 | 182.5 | 28.2 | 43.3 | 987.3 |
| 04/23/2022 | 14:15:00 - 14:30:00 | 15 | 5 | 8 | 8 | 3 | 6.5 | 192.1 | 28.2 | 43.1 | 987.0 |
| 04/23/2022 | 14:30:00 - 14:45:00 | 15 | 5 | 7 | 7 | 3 | 7.9 | 199.0 | 28.1 | 43.1 | 986.9 |
| 04/23/2022 | 14:45:00 - 15:00:00 | 14 | 4 | 7 | 7 | 3 | 6.6 | 186.9 | 28.1 | 42.5 | 986.7 |
| 04/23/2022 | 15:00:00 - 15:15:00 | 14 | 4 | 7 | 7 | 3 | 6.0 | 188.9 | 28.3 | 42.9 | 986.5 |
| 04/23/2022 | 15:15:00 - 15:30:00 | 14 | 4 | 7 | 7 | 2 | 5.3 | 185.1 | 28.2 | 41.1 | 986.3 |
| 04/23/2022 | 15:30:00 - 15:45:00 | 14 | 4 | 7 | 7 | 2 | 6.2 | 188.7 | 28.4 | 43.5 | 986.1 |
| 04/23/2022 | 15:45:00 - 16:00:00 | 14 | 4 | 6 | 7 | 2 | 6.7 | 185.2 | 28.3 | 43.3 | 985.9 |
| 04/23/2022 | 16:00:00 - 16:15:00 | 14 | 4 | 6 | 6 | 1 | 5.7 | 183.0 | 28.3 | 43.2 | 985.8 |
| 04/23/2022 | 16:15:00 - 16:30:00 | 14 | 4 | 6 | 6 | 2 | 6.1 | 190.1 | 28.3 | 42.7 | 985.7 |
| 04/23/2022 | 16:30:00 - 16:45:00 | 14 | 4 | 7 | 6 | 2 | 6.6 | 190.5 | 28.1 | 43.2 | 985.5 |
| 04/23/2022 | 16:45:00 - 17:00:00 | 14 | 4 | 7 | 7 | 2 | 5.8 | 193.3 | 27.4 | 44.8 | 985.5 |
| 04/23/2022 | 17:00:00 - 17:15:00 | 14 | 4 | 7 | 6 | 2 | 4.4 | 188.6 | 27.2 | 44.7 | 985.5 |
| 04/23/2022 | 17:15:00 - 17:30:00 | 14 | 4 | 7 | 6 | 2 | 5.7 | 196.7 | 26.8 | 46.0 | 985.5 |
| 04/23/2022 | 17:30:00 - 17:45:00 | 14 | 4 | 7 | 7 | 2 | 4.4 | 179.1 | 26.5 | 46.6 | 985.5 |
| 04/23/2022 | 17:45:00 - 18:00:00 | 14 | 4 | 7 | 7 | 2 | 4.6 | 187.3 | 26.4 | 46.6 | 985.4 |
| 04/23/2022 | 18:00:00 - 18:15:00 | 14 | 4 | 7 | 6 | 2 | 4.0 | 190.0 | 26.2 | 47.4 | 985.3 |
| 04/23/2022 | 18:15:00 - 18:30:00 | 14 | 4 | 7 | 6 | 2 | 4.3 | 184.7 | 26.0 | 47.1 | 985.1 |
| 04/23/2022 | 18:30:00 - 18:45:00 | 14 | 4 | 7 | 6 | 2 | 4.1 | 194.1 | 25.6 | 48.1 | 985.0 |
| 04/23/2022 | 18:45:00 - 19:00:00 | 14 | 4 | 7 | 6 | 2 | 4.5 | 184.4 | 25.2 | 49.7 | 985.0 |
| 04/23/2022 | 19:00:00 - 19:15:00 | 14 | 4 | 7 | 7 | 2 | 4.5 | 183.7 | 25.0 | 50.3 | 984.9 |
| 04/23/2022 | 19:15:00 - 19:30:00 | 14 | 4 | 7 | 7 | 3 | 4.7 | 185.0 | 24.5 | 51.9 | 984.8 |
| 04/23/2022 | 19:30:00 - 19:45:00 | 16 | 5 | 8 | 8 | 5 | 3.6 | 180.4 | 24.0 | 54.2 | 984.9 |
| 04/23/2022 | 19:45:00 - 20:00:00 | 16 | 5 | 8 | 8 | 5 | 3.0 | 182.9 | 23.4 | 56.5 | 985.2 |
| 04/23/2022 | 20:00:00 - 20:15:00 | 15 | 5 | 7 | 7 | 4 | 2.6 | 180.8 | 23.1 | 57.9 | 985.3 |
| 04/23/2022 | 20:15:00 - 20:30:00 | 15 | 5 | 8 | 7 | 4 | 3.1 | 176.1 | 22.9 | 58.9 | 985.2 |
| 04/23/2022 | 20:30:00 - 20:45:00 | 15 | 5 | 8 | 8 | 5 | 2.9 | 161.7 | 22.8 | 59.4 | 985.2 |
| 04/23/2022 | 20:45:00 - 21:00:00 | 16 | 6 | 8 | 8 | 5 | 3.6 | 159.7 | 22.7 | 60.0 | 985.2 |
| 04/23/2022 | 21:00:00 - 21:15:00 | 16 | 6 | 9 | 8 | 6 | 3.6 | 168.6 | 22.6 | 60.0 | 985.2 |
| 04/23/2022 | 21:15:00 - 21:30:00 | 17 | 6 | 9 | 9 | 6 | 2.7 | 168.0 | 22.4 | 60.0 | 985.2 |
| 04/23/2022 | 21:30:00 - 21:45:00 | 17 | 7 | 9 | 9 | 7 | 2.8 | 179.9 | 22.2 | 60.0 | 985.3 |
| 04/23/2022 | 21:45:00 - 22:00:00 | 17 | 7 | 9 | 9 | 7 | 3.7 | 187.0 | 22.0 | 60.0 | 985.5 |
| 04/23/2022 | 22:00:00 - 22:15:00 | 17 | 7 | 10 | 9 | 7 | 3.5 | 185.2 | 21.9 | 60.6 | 985.7 |
| 04/23/2022 | 22:15:00 - 22:30:00 | 18 | 7 | 10 | 10 | 8 | 3.1 | 186.7 | 21.7 | 61.0 | 985.9 |
| 04/23/2022 | 22:30:00 - 22:45:00 | 18 | 8 | 10 | 10 | 8 | 3.9 | 186.3 | 21.7 | 60.5 | 985.9 |
| 04/23/2022 | 22:45:00 - 23:00:00 | 17 | 7 | 9 | 9 | 7 | 2.7 | 179.4 | 21.8 | 60.2 | 985.8 |
| 04/23/2022 | 23:00:00 - 23:15:00 | 17 | 7 | 10 | 9 | 7 | 4.1 | 179.1 | 21.5 | 61.1 | 985.6 |
| 04/23/2022 | 23:15:00 - 23:30:00 | 17 | 6 | 9 | 9 | 7 | 3.8 | 179.4 | 21.4 | 62.0 | 985.5 |
| 04/23/2022 | 23:30:00 - 23:45:00 | 17 | 6 | 9 | 9 | 7 | 4.3 | 179.1 | 21.2 | 62.7 | 985.6 |
| 04/24/2022 | 23:45:00 - 00:00:00 | 17 | 6 | 9 | 9 | 7 | 4.0 | 180.0 | 20.9 | 63.0 | 985.8 |
| 04/24/2022 | 00:00:00 - 00:15:00 | 17 | 6 | 9 | 9 | 6 | 4.0 | 191.0 | 21.1 | 62.7 | 986.0 |
| 04/24/2022 | 00:15:00 - 00:30:00 | 16 | 6 | 9 | 9 | 6 | 3.7 | 180.8 | 21.1 | 62.9 | 985.8 |
| 04/24/2022 | 00:30:00 - 00:45:00 | 16 | 6 | 9 | 9 | 6 | 4.3 | 182.9 | 20.6 | 64.9 | 985.8 |
| 04/24/2022 | 00:45:00 - 01:00:00 | 16 | 6 | 9 | 8 | 6 | 3.6 | 183.9 | 20.4 | 66.0 | 985.8 |
| 04/24/2022 | 01:00:00 - 01:15:00 | 16 | 6 | 9 | 8 | 6 | 3.3 | 188.4 | 20.0 | 67.3 | 985.9 |
| 04/24/2022 | 01:15:00 - 01:30:00 | 16 | 5 | 9 | 8 | 6 | 3.3 | 184.7 | 20.0 | 67.2 | 985.9 |
| 04/24/2022 | 01:30:00 - 01:45:00 | 15 | 5 | 8 | 8 | 5 | 3.1 | 175.7 | 19.9 | 67.0 | 985.9 |
| 04/24/2022 | 01:45:00 - 02:00:00 | 15 | 5 | 8 | 8 | 5 | 3.4 | 182.6 | 19.9 | 66.7 | 985.9 |
| 04/24/2022 | 02:00:00 - 02:15:00 | 15 | 5 | 8 | 7 | 5 | 4.1 | 184.5 | 20.2 | 65.5 | 985.9 |
| 04/24/2022 | 02:15:00 - 02:30:00 | 15 | 4 | 8 | 7 | 5 | 4.8 | 186.5 | 20.4 | 64.6 | 985.7 |
| 04/24/2022 | 02:30:00 - 02:45:00 | 14 | 4 | 8 | 7 | 5 | 3.8 | 188.4 | 20.4 | 64.7 | 985.5 |
| 04/24/2022 | 02:45:00 - 03:00:00 | 14 | 4 | 8 | 7 | 4 | 4.1 | 185.5 | 20.0 | 66.2 | 985.5 |
| 04/24/2022 | 03:00:00 - 03:15:00 | 14 | 4 | 8 | 7 | 4 | 3.5 | 180.3 | 19.6 | 67.6 | 985.5 |
| 04/24/2022 | 03:15:00 - 03:30:00 | 14 | 4 | 8 | 7 | 4 | 3.6 | 178.1 | 19.4 | 68.0 | 985.5 |
| 04/24/2022 | 03:30:00 - 03:45:00 | 14 | 4 | 8 | 7 | 4 | 4.0 | 180.9 | 19.4 | 68.0 | 985.5 |
| 04/24/2022 | 03:45:00 - 04:00:00 | 14 | 4 | 8 | 7 | 4 | 4.2 | 182.5 | 19.3 | 68.0 | 985.5 |
| 04/24/2022 | 04:00:00 - 04:15:00 | 14 | 4 | 7 | 7 | 4 | 4.7 | 183.5 | 19.2 | 68.4 | 985.5 |
| 04/24/2022 | 04:15:00 - 04:30:00 | 14 | 4 | 7 | 7 | 4 | 4.0 | 184.0 | 19.3 | 68.3 | 985.4 |
| 04/24/2022 | 04:30:00 - 04:45:00 | 14 | 4 | 7 | 7 | 4 | 4.4 | 185.6 | 19.3 | 68.3 | 985.4 |
| 04/24/2022 | 04:45:00 - 05:00:00 | 14 | 4 | 7 | 7 | 4 | 3.6 | 185.9 | 19.4 | 68.5 | 985.5 |
| 04/24/2022 | 05:00:00 - 05:15:00 | 14 | 4 | 7 | 7 | 4 | 3.9 | 184.8 | 19.5 | 68.2 | 985.4 |
| 04/24/2022 | 05:15:00 - 05:30:00 | 14 | 4 | 7 | 7 | 4 | 3.0 | 180.9 | 19.7 | 68.0 | 985.5 |
| 04/24/2022 | 05:30:00 - 05:45:00 | 14 | 4 | 7 | 7 | 4 | 3.5 | 179.2 | 19.8 | 68.4 | 985.5 |
| 04/24/2022 | 05:45:00 - 06:00:00 | 13 | 4 | 7 | 6 | 4 | 3.3 | 178.3 | 19.8 | 68.8 | 985.5 |
| 04/24/2022 | 06:00:00 - 06:15:00 | 13 | 4 | 7 | 7 | 3 | 3.9 | 179.2 | 20.0 | 68.0 | 985.7 |
| 04/24/2022 | 06:15:00 - 06:30:00 | 13 | 4 | 7 | 7 | 3 | 3.5 | 175.6 | 19.9 | 68.5 | 985.8 |
| 04/24/2022 | 06:30:00 - 06:45:00 | 14 | 4 | 7 | 7 | 3 | 4.2 | 187.9 | 19.8 | 69.0 | 986.0 |
| 04/24/2022 | 06:45:00 - 07:00:00 | 14 | 4 | 7 | 7 | 4 | 4.0 | 190.7 | 19.9 | 69.0 | 986.2 |
| 04/24/2022 | 07:00:00 - 07:15:00 | 15 | 5 | 8 | 8 | 5 | 4.8 | 192.5 | 18.8 | 77.1 | 986.4 |
| 04/24/2022 | 07:15:00 - 07:30:00 | 15 | 5 | 9 | 8 | 5 | 3.8 | 182.9 | 18.5 | 80.5 | 986.2 |
| 04/24/2022 | 07:30:00 - 07:45:00 | 15 | 5 | 9 | 8 | 6 | 2.8 | 179.9 | 18.7 | 79.3 | 986.2 |
| 04/24/2022 | 07:45:00 - 08:00:00 | 16 | 5 | 9 | 9 | 6 | 3.4 | 187.4 | 19.4 | 76.8 | 986.1 |
| 04/24/2022 | 08:00:00 - 08:15:00 | 15 | 6 | 9 | 8 | 6 | 5.2 | 195.2 | 19.8 | 75.0 | 986.0 |
| 04/24/2022 | 08:15:00 - 08:30:00 | 15 | 5 | 9 | 9 | 6 | 4.5 | 193.5 | 20.2 | 73.9 | 986.0 |
| 04/24/2022 | 08:30:00 - 08:45:00 | 15 | 6 | 8 | 8 | 5 | 5.8 | 197.5 | 20.4 | 73.6 | 986.0 |
| 04/24/2022 | 08:45:00 - 09:00:00 | 15 | 6 | 9 | 8 | 5 | 5.3 | 198.8 | 20.5 | 74.0 | 986.0 |
| 04/24/2022 | 09:00:00 - 09:15:00 | 15 | 6 | 8 | 8 | 5 | 6.7 | 201.1 | 20.8 | 73.6 | 986.1 |
| 04/24/2022 | 09:15:00 - 09:30:00 | 15 | 6 | 8 | 8 | 5 | 7.6 | 201.1 | 21.3 | 72.8 | 986.0 |
| 04/24/2022 | 09:30:00 - 09:45:00 | 15 | 6 | 8 | 8 | 5 | 5.9 | 202.4 | 21.4 | 72.7 | 986.0 |
| 04/24/2022 | 09:45:00 - 10:00:00 | 15 | 6 | 8 | 8 | 5 | 8.1 | 205.5 | 21.4 | 73.8 | 986.1 |
| 04/24/2022 | 10:00:00 - 10:15:00 | 15 | 5 | 8 | 8 | 4 | 9.5 | 206.1 | 21.7 | 74.4 | 986.2 |
| 04/24/2022 | 10:15:00 - 10:30:00 | 14 | 5 | 8 | 8 | 4 | 7.4 | 202.7 | 22.3 | 73.5 | 986.1 |
| 04/24/2022 | 10:30:00 - 10:45:00 | 14 | 5 | 7 | 7 | 3 | 9.5 | 208.5 | 22.6 | 72.9 | 985.9 |
| 04/24/2022 | 10:45:00 - 11:00:00 | 14 | 5 | 7 | 7 | 3 | 8.5 | 208.4 | 22.7 | 72.4 | 985.8 |
| 04/24/2022 | 11:00:00 - 11:15:00 | 14 | 5 | 7 | 7 | 3 | 9.5 | 209.1 | 22.6 | 72.9 | 985.7 |
| 04/24/2022 | 11:15:00 - 11:30:00 | 13 | 4 | 7 | 6 | 2 | 9.1 | 210.3 | 23.1 | 71.4 | 985.7 |
| 04/24/2022 | 11:30:00 - 11:45:00 | 13 | 4 | 7 | 6 | 2 | 9.2 | 206.5 | 23.4 | 70.2 | 985.5 |
| 04/24/2022 | 11:45:00 - 12:00:00 | 13 | 4 | 6 | 6 | 2 | 10.2 | 207.0 | 23.9 | 68.3 | 985.5 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 04/24/2022 | 12:00:00 - 12:15:00 | 12 | 3 | 6 | 6 | 1 | 8.4 | 209.8 | 24.6 | 64.8 | 985.3 |
| 04/24/2022 | 12:15:00 - 12:30:00 | 13 | 3 | 6 | 6 | 1 | 9.2 | 209.3 | 24.5 | 63.7 | 985.3 |
| 04/24/2022 | 12:30:00 - 12:45:00 | 12 | 3 | 6 | 6 | 1 | 9.7 | 210.5 | 24.6 | 62.6 | 985.2 |
| 04/24/2022 | 12:45:00 - 13:00:00 | 12 | 3 | 6 | 6 | 1 | 9.4 | 206.4 | 24.4 | 63.3 | 985.2 |
| 04/24/2022 | 13:00:00 - 13:15:00 | 12 | 3 | 6 | 6 | 1 | 6.6 | 208.3 | 24.4 | 63.7 | 985.1 |
| 04/24/2022 | 13:15:00 - 13:30:00 | 12 | 3 | 6 | 6 | 0 | 9.4 | 213.0 | 24.6 | 62.4 | 985.2 |
| 04/24/2022 | 13:30:00 - 13:45:00 | 12 | 3 | 5 | 7 | 0 | 7.9 | 208.9 | 24.7 | 61.2 | 985.0 |
| 04/24/2022 | 13:45:00 - 14:00:00 | 12 | 3 | 6 | 6 | 0 | 7.6 | 210.5 | 24.5 | 60.7 | 985.0 |
| 04/24/2022 | 14:00:00 - 14:15:00 | 12 | 3 | 6 | 5 | 1 | 7.1 | 212.9 | 24.2 | 62.3 | 985.0 |
| 04/24/2022 | 14:15:00 - 14:30:00 | 13 | 3 | 7 | 6 | 2 | 8.5 | 210.9 | 23.8 | 64.2 | 985.2 |
| 04/24/2022 | 14:30:00 - 14:45:00 | 14 | 4 | 7 | 7 | 2 | 7.5 | 255.4 | 20.2 | 83.8 | 985.6 |
| 04/24/2022 | 14:45:00 - 15:00:00 | 12 | 3 | 6 | 6 | 1 | 5.9 | 262.9 | 18.7 | 93.2 | 985.9 |
| 04/24/2022 | 15:00:00 - 15:15:00 | 11 | 2 | 5 | 4 | 0 | 3.6 | 253.1 | 18.4 | 97.8 | 986.1 |
| 04/24/2022 | 15:15:00 - 15:30:00 | 10 | 1 | 4 | 3 | 0 | 4.2 | 262.5 | 18.5 | 98.8 | 985.9 |
| 04/24/2022 | 15:30:00 - 15:45:00 | 10 | 1 | 5 | 4 | 0 | 2.9 | 241.1 | 18.7 | 98.8 | 985.9 |
| 04/24/2022 | 15:45:00 - 16:00:00 | 11 | 2 | 5 | 5 | 0 | 3.6 | 209.3 | 19.3 | 98.0 | 985.7 |
| 04/24/2022 | 16:00:00 - 16:15:00 | 13 | 3 | 6 | 6 | 1 | 4.0 | 213.4 | 20.0 | 95.5 | 985.5 |
| 04/24/2022 | 16:15:00 - 16:30:00 | 13 | 3 | 6 | 6 | 2 | 5.3 | 210.8 | 20.8 | 91.6 | 985.4 |
| 04/24/2022 | 16:30:00 - 16:45:00 | 13 | 4 | 6 | 6 | 2 | 3.7 | 204.4 | 20.7 | 89.7 | 985.3 |
| 04/24/2022 | 16:45:00 - 17:00:00 | 14 | 4 | 7 | 6 | 2 | 2.3 | 236.0 | 20.4 | 91.3 | 985.3 |
| 04/24/2022 | 17:00:00 - 17:15:00 | 13 | 3 | 7 | 6 | 2 | 2.7 | 227.1 | 20.4 | 91.3 | 985.3 |
| 04/24/2022 | 17:15:00 - 17:30:00 | 13 | 3 | 7 | 6 | 2 | 1.8 | 241.3 | 20.4 | 91.8 | 985.3 |
| 04/24/2022 | 17:30:00 - 17:45:00 | 14 | 4 | 7 | 6 | 2 | 1.8 | 185.0 | 20.3 | 92.5 | 985.1 |
| 04/24/2022 | 17:45:00 - 18:00:00 | 14 | 4 | 7 | 7 | 2 | 4.7 | 255.8 | 20.3 | 92.4 | 985.7 |
| 04/24/2022 | 18:00:00 - 18:15:00 | 14 | 4 | 7 | 7 | 3 | 4.1 | 232.4 | 19.3 | 98.1 | 985.6 |
| 04/24/2022 | 18:15:00 - 18:30:00 | 14 | 5 | 7 | 8 | 5 | 1.6 | 263.1 | 19.5 | 99.0 | 985.4 |
| 04/24/2022 | 18:30:00 - 18:45:00 | 14 | 4 | 7 | 7 | 4 | 1.7 | 279.7 | 19.5 | 99.0 | 985.5 |
| 04/24/2022 | 18:45:00 - 19:00:00 | 14 | 4 | 7 | 7 | 3 | 4.2 | 286.3 | 19.5 | 98.2 | 985.8 |
| 04/24/2022 | 19:00:00 - 19:15:00 | 12 | 3 | 6 | 6 | 1 | 4.8 | 293.0 | 18.7 | 98.8 | 986.0 |
| 04/24/2022 | 19:15:00 - 19:30:00 | 12 | 2 | 6 | 5 | 1 | 2.7 | 274.3 | 18.4 | 99.0 | 986.2 |
| 04/24/2022 | 19:30:00 - 19:45:00 | 12 | 3 | 6 | 6 | 2 | 1.3 | 260.9 | 18.4 | 99.0 | 986.2 |
| 04/24/2022 | 19:45:00 - 20:00:00 | 13 | 3 | 7 | 6 | 2 | 3.1 | 269.0 | 18.4 | 98.6 | 986.6 |
| 04/24/2022 | 20:00:00 - 20:15:00 | 12 | 3 | 6 | 5 | 2 | 2.9 | 261.6 | 18.3 | 96.0 | 987.0 |
| 04/24/2022 | 20:15:00 - 20:30:00 | 12 | 2 | 6 | 5 | 1 | 1.5 | 232.4 | 18.2 | 94.2 | 987.0 |
| 04/24/2022 | 20:30:00 - 20:45:00 | 11 | 2 | 6 | 5 | 1 | 2.2 | 239.4 | 18.2 | 92.3 | 987.1 |
| 04/24/2022 | 20:45:00 - 21:00:00 | 11 | 2 | 6 | 5 | 1 | 4.1 | 273.2 | 18.1 | 91.8 | 987.3 |
| 04/24/2022 | 21:00:00 - 21:15:00 | 11 | 2 | 6 | 5 | 1 | 5.7 | 274.0 | 18.0 | 91.2 | 987.5 |
| 04/24/2022 | 21:15:00 - 21:30:00 | 11 | 1 | 5 | 4 | 0 | 6.1 | 273.8 | 17.4 | 92.0 | 987.7 |
| 04/24/2022 | 21:30:00 - 21:45:00 | 9 | 0 | 5 | 3 | 0 | 5.7 | 272.3 | 17.0 | 89.0 | 987.7 |
| 04/24/2022 | 21:45:00 - 22:00:00 | 9 | 0 | 4 | 2 | 0 | 4.4 | 274.8 | 16.4 | 90.0 | 987.7 |
| 04/24/2022 | 22:00:00 - 22:15:00 | 8 | 0 | 4 | 3 | 0 | 2.7 | 284.5 | 16.2 | 91.1 | 987.4 |
| 04/24/2022 | 22:15:00 - 22:30:00 | 9 | 0 | 4 | 3 | 0 | 2.4 | 286.0 | 16.0 | 91.9 | 987.3 |
| 04/24/2022 | 22:30:00 - 22:45:00 | 9 | 0 | 4 | 3 | 0 | 1.6 | 271.8 | 15.8 | 92.2 | 987.5 |
| 04/24/2022 | 22:45:00 - 23:00:00 | 8 | 0 | 4 | 2 | 0 | 3.1 | 286.1 | 15.9 | 89.9 | 987.8 |
| 04/24/2022 | 23:00:00 - 23:15:00 | 8 | 0 | 4 | 2 | 0 | 2.8 | 273.6 | 15.6 | 91.1 | 987.7 |
| 04/24/2022 | 23:15:00 - 23:30:00 | 8 | 0 | 4 | 2 | 0 | 2.9 | 283.2 | 15.6 | 92.0 | 987.8 |
| 04/24/2022 | 23:30:00 - 23:45:00 | 8 | 0 | 4 | 2 | 0 | 2.3 | 266.2 | 15.7 | 90.6 | 988.0 |
| 04/24/2022 | 23:45:00 - 00:00:00 | 8 | 0 | 4 | 2 | 0 | 2.6 | 264.9 | 15.8 | 86.9 | 988.2 |
| 04/25/2022 | 00:00:00 - 00:15:00 | 8 | 0 | 3 | 2 | 0 | 2.8 | 268.9 | 15.8 | 83.7 | 988.4 |
| 04/25/2022 | 00:15:00 - 00:30:00 | 7 | 0 | 3 | 2 | 0 | 2.2 | 258.1 | 15.6 | 84.1 | 988.7 |
| 04/25/2022 | 00:30:00 - 00:45:00 | 7 | 0 | 3 | 2 | 0 | 2.2 | 283.8 | 15.5 | 84.7 | 988.6 |
| 04/25/2022 | 00:45:00 - 01:00:00 | 8 | 0 | 3 | 2 | 0 | 1.6 | 270.4 | 15.3 | 84.6 | 988.5 |
| 04/25/2022 | 01:00:00 - 01:15:00 | 7 | 0 | 3 | 2 | 0 | 1.6 | 210.8 | 15.3 | 84.4 | 988.6 |
| 04/25/2022 | 01:15:00 - 01:30:00 | 8 | 0 | 3 | 2 | 0 | 2.0 | 259.2 | 15.2 | 86.4 | 989.0 |
| 04/25/2022 | 01:30:00 - 01:45:00 | 8 | 0 | 4 | 2 | 0 | 2.7 | 256.1 | 15.2 | 88.2 | 989.3 |
| 04/25/2022 | 01:45:00 - 02:00:00 | 8 | 0 | 3 | 2 | 0 | 1.7 | 246.5 | 15.1 | 89.7 | 989.2 |
| 04/25/2022 | 02:00:00 - 02:15:00 | 8 | 0 | 4 | 2 | 0 | 1.5 | 248.5 | 14.9 | 90.0 | 989.0 |
| 04/25/2022 | 02:15:00 - 02:30:00 | 8 | 0 | 3 | 2 | 0 | 1.6 | 281.2 | 14.9 | 89.1 | 988.7 |
| 04/25/2022 | 02:30:00 - 02:45:00 | 8 | 0 | 3 | 2 | 0 | 1.8 | 253.7 | 14.8 | 89.0 | 988.8 |
| 04/25/2022 | 02:45:00 - 03:00:00 | 8 | 0 | 3 | 2 | 0 | 1.4 | 291.5 | 14.7 | 88.2 | 988.6 |
| 04/25/2022 | 03:00:00 - 03:15:00 | 7 | 0 | 3 | 2 | 0 | 2.2 | 290.2 | 14.5 | 87.4 | 988.5 |
| 04/25/2022 | 03:15:00 - 03:30:00 | 7 | 0 | 3 | 1 | 0 | 2.4 | 297.1 | 14.4 | 84.0 | 988.5 |
| 04/25/2022 | 03:30:00 - 03:45:00 | 7 | 0 | 3 | 1 | 0 | 3.6 | 319.1 | 14.1 | 80.2 | 988.8 |
| 04/25/2022 | 03:45:00 - 04:00:00 | 7 | 0 | 3 | 1 | 0 | 2.6 | 341.3 | 13.8 | 75.3 | 988.8 |
| 04/25/2022 | 04:00:00 - 04:15:00 | 7 | 0 | 3 | 1 | 0 | 2.7 | 357.3 | 13.6 | 75.1 | 988.5 |
| 04/25/2022 | 04:15:00 - 04:30:00 | 7 | 0 | 3 | 1 | 0 | 3.2 | 20.7 | 13.2 | 78.0 | 988.2 |
| 04/25/2022 | 04:30:00 - 04:45:00 | 7 | 0 | 3 | 1 | 0 | 3.8 | 359.4 | 12.7 | 79.2 | 988.7 |
| 04/25/2022 | 04:45:00 - 05:00:00 | 7 | 0 | 3 | 1 | 0 | 3.6 | 353.4 | 12.3 | 79.7 | 988.8 |
| 04/25/2022 | 05:00:00 - 05:15:00 | 7 | 0 | 3 | 2 | 0 | 2.9 | 345.5 | 12.2 | 78.1 | 989.3 |
| 04/25/2022 | 05:15:00 - 05:30:00 | 7 | 0 | 3 | 2 | 0 | 2.4 | 352.5 | 12.1 | 78.2 | 989.7 |
| 04/25/2022 | 05:30:00 - 05:45:00 | 7 | 0 | 3 | 2 | 0 | 1.7 | 21.3 | 12.0 | 79.1 | 989.7 |
| 04/25/2022 | 05:45:00 - 06:00:00 | 7 | 0 | 3 | 1 | 0 | 1.9 | 334.2 | 11.9 | 80.1 | 990.0 |
| 04/25/2022 | 06:00:00 - 06:15:00 | 7 | 0 | 3 | 2 | 0 | 1.9 | 7.5 | 11.6 | 81.6 | 989.7 |
| 04/25/2022 | 06:15:00 - 06:30:00 | 7 | 0 | 3 | 2 | 0 | 1.3 | 26.7 | 11.5 | 81.9 | 989.8 |
| 04/25/2022 | 06:30:00 - 06:45:00 | 7 | 0 | 3 | 2 | 0 | 2.3 | 305.7 | 11.6 | 82.0 | 990.2 |
| 04/25/2022 | 06:45:00 - 07:00:00 | 7 | 0 | 3 | 2 | 0 | 2.2 | 338.0 | 11.6 | 80.3 | 990.4 |
| 04/25/2022 | 07:00:00 - 07:15:00 | 7 | 0 | 4 | 2 | 0 | 2.4 | 332.0 | 11.6 | 79.4 | 990.3 |
| 04/25/2022 | 07:15:00 - 07:30:00 | 8 | 0 | 4 | 2 | 0 | 2.9 | 338.0 | 11.6 | 76.2 | 990.4 |
| 04/25/2022 | 07:30:00 - 07:45:00 | 7 | 0 | 4 | 2 | 0 | 2.5 | 315.3 | 11.5 | 77.6 | 990.7 |
| 04/25/2022 | 07:45:00 - 08:00:00 | 10 | 0 | 5 | 2 | 0 | 2.5 | 304.9 | 11.5 | 77.4 | 990.7 |
| 04/25/2022 | 08:00:00 - 08:15:00 | 7 | 0 | 4 | 2 | 0 | 2.8 | 287.3 | 11.7 | 75.0 | 990.8 |
| 04/25/2022 | 08:15:00 - 08:30:00 | 7 | 0 | 4 | 3 | 0 | 3.0 | 315.3 | 11.8 | 73.2 | 990.8 |
| 04/25/2022 | 08:30:00 - 08:45:00 | 7 | 0 | 3 | 2 | 0 | 3.9 | 286.4 | 11.9 | 70.7 | 991.0 |
| 04/25/2022 | 08:45:00 - 09:00:00 | 7 | 0 | 4 | 2 | 0 | 4.3 | 305.0 | 11.8 | 66.7 | 991.0 |
| 04/25/2022 | 09:00:00 - 09:15:00 | 8 | 0 | 4 | 2 | 0 | 3.9 | 289.4 | 12.0 | 68.3 | 991.1 |
| 04/25/2022 | 09:15:00 - 09:30:00 | 8 | 0 | 4 | 2 | 0 | 6.3 | 293.7 | 11.8 | 68.8 | 991.5 |
| 04/25/2022 | 09:30:00 - 09:45:00 | 8 | 0 | 4 | 2 | 0 | 4.4 | 279.6 | 11.6 | 68.9 | 991.6 |
| 04/25/2022 | 09:45:00 - 10:00:00 | 8 | 0 | 4 | 2 | 0 | 5.0 | 281.6 | 11.5 | 66.9 | 991.6 |
| 04/25/2022 | 10:00:00 - 10:15:00 | 8 | 0 | 4 | 2 | 0 | 6.4 | 298.1 | 11.3 | 67.4 | 991.6 |
| 04/25/2022 | 10:15:00 - 10:30:00 | 8 | 0 | 4 | 2 | 0 | 5.4 | 283.1 | 11.3 | 69.2 | 991.7 |
| 04/25/2022 | 10:30:00 - 10:45:00 | 8 | 0 | 4 | 2 | 0 | 5.3 | 293.8 | 11.5 | 69.1 | 991.8 |
| 04/25/2022 | 10:45:00 - 11:00:00 | 8 | 0 | 4 | 2 | 0 | 6.0 | 288.4 | 11.7 | 67.2 | 991.8 |
| 04/25/2022 | 11:00:00 - 11:15:00 | 8 | 0 | 4 | 2 | 0 | 6.7 | 291.4 | 11.7 | 65.7 | 991.9 |
| 04/25/2022 | 11:15:00 - 11:30:00 | 8 | 0 | 4 | 2 | 0 | 6.7 | 288.2 | 12.0 | 64.9 | 991.9 |
| 04/25/2022 | 11:30:00 - 11:45:00 | 8 | 0 | 4 | 2 | 0 | 5.5 | 291.6 | 12.4 | 66.2 | 992.0 |
| 04/25/2022 | 11:45:00 - 12:00:00 | 8 | 0 | 4 | 2 | 0 | 5.8 | 280.0 | 13.3 | 64.9 | 992.0 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 04/25/2022 | 12:00:00 - 12:15:00 | 8 | 0 | 4 | 2 | 0 | 7.1 | 273.4 | 13.3 | 62.5 | 992.0 |
| 04/25/2022 | 12:15:00 - 12:30:00 | 8 | 0 | 4 | 2 | 0 | 6.4 | 279.5 | 13.9 | 61.6 | 992.1 |
| 04/25/2022 | 12:30:00 - 12:45:00 | 8 | 0 | 4 | 2 | 0 | 6.6 | 283.3 | 13.8 | 60.3 | 992.2 |
| 04/25/2022 | 12:45:00 - 13:00:00 | 9 | 1 | 4 | 2 | 0 | 7.2 | 289.9 | 13.5 | 61.1 | 992.4 |
| 04/25/2022 | 13:00:00 - 13:15:00 | 9 | 0 | 4 | 2 | 0 | 6.6 | 290.8 | 13.3 | 60.8 | 992.5 |
| 04/25/2022 | 13:15:00 - 13:30:00 | 9 | 0 | 4 | 2 | 0 | 6.4 | 279.2 | 13.5 | 60.8 | 992.7 |
| 04/25/2022 | 13:30:00 - 13:45:00 | 10 | 1 | 4 | 2 | 0 | 6.4 | 302.4 | 13.4 | 60.8 | 992.8 |
| 04/25/2022 | 13:45:00 - 14:00:00 | 9 | 0 | 4 | 2 | 0 | 6.2 | 301.4 | 13.6 | 60.8 | 992.8 |
| 04/25/2022 | 14:00:00 - 14:15:00 | 10 | 0 | 4 | 2 | 0 | 6.8 | 282.2 | 13.5 | 59.8 | 993.0 |
| 04/25/2022 | 14:15:00 - 14:30:00 | 10 | 0 | 4 | 2 | 0 | 7.5 | 291.5 | 13.0 | 60.9 | 993.1 |
| 04/25/2022 | 14:30:00 - 14:45:00 | 13 | 0 | 6 | 2 | 0 | 5.6 | 280.7 | 13.1 | 61.4 | 993.2 |
| 04/25/2022 | 14:45:00 - 15:00:00 | 9 | 0 | 4 | 2 | 0 | 7.1 | 288.6 | 12.6 | 61.5 | 993.4 |
| 04/25/2022 | 15:00:00 - 15:15:00 | 9 | 0 | 4 | 2 | 0 | 7.5 | 290.0 | 12.1 | 63.6 | 993.5 |
| 04/25/2022 | 15:15:00 - 15:30:00 | 8 | 0 | 4 | 2 | 0 | 6.1 | 284.2 | 12.2 | 62.8 | 993.5 |
| 04/25/2022 | 15:30:00 - 15:45:00 | 8 | 0 | 4 | 2 | 0 | 7.1 | 287.0 | 12.1 | 61.1 | 993.7 |
| 04/25/2022 | 15:45:00 - 16:00:00 | 9 | 0 | 4 | 2 | 0 | 6.8 | 297.7 | 12.1 | 62.1 | 993.8 |
| 04/25/2022 | 16:00:00 - 16:15:00 | 8 | 0 | 4 | 2 | 0 | 7.6 | 292.4 | 11.7 | 62.3 | 994.1 |
| 04/25/2022 | 16:15:00 - 16:30:00 | 8 | 0 | 4 | 2 | 0 | 7.0 | 282.8 | 11.8 | 61.1 | 994.4 |
| 04/25/2022 | 16:30:00 - 16:45:00 | 8 | 0 | 4 | 2 | 0 | 6.8 | 287.3 | 11.4 | 61.7 | 994.6 |
| 04/25/2022 | 16:45:00 - 17:00:00 | 8 | 0 | 4 | 2 | 0 | 7.4 | 294.6 | 11.3 | 60.6 | 994.8 |
| 04/25/2022 | 17:00:00 - 17:15:00 | 8 | 0 | 4 | 2 | 0 | 7.3 | 291.8 | 10.8 | 63.0 | 995.1 |
| 04/25/2022 | 17:15:00 - 17:30:00 | 8 | 0 | 4 | 2 | 0 | 7.0 | 297.2 | 10.6 | 63.3 | 995.2 |
| 04/25/2022 | 17:30:00 - 17:45:00 | 8 | 0 | 4 | 2 | 0 | 7.1 | 296.9 | 10.5 | 62.9 | 995.3 |
| 04/25/2022 | 17:45:00 - 18:00:00 | 8 | 0 | 4 | 2 | 0 | 8.3 | 303.7 | 10.3 | 63.4 | 995.5 |
| 04/25/2022 | 18:00:00 - 18:15:00 | 8 | 0 | 4 | 2 | 0 | 7.6 | 292.5 | 9.9 | 61.0 | 995.6 |
| 04/25/2022 | 18:15:00 - 18:30:00 | 7 | 0 | 4 | 2 | 0 | 5.9 | 285.9 | 9.8 | 59.9 | 995.7 |
| 04/25/2022 | 18:30:00 - 18:45:00 | 8 | 0 | 4 | 2 | 0 | 6.2 | 289.9 | 9.6 | 60.1 | 995.9 |
| 04/25/2022 | 18:45:00 - 19:00:00 | 8 | 0 | 4 | 2 | 0 | 7.7 | 292.2 | 9.3 | 59.7 | 995.9 |
| 04/25/2022 | 19:00:00 - 19:15:00 | 7 | 0 | 4 | 2 | 0 | 6.4 | 284.4 | 9.0 | 61.1 | 996.1 |
| 04/25/2022 | 19:15:00 - 19:30:00 | 8 | 0 | 4 | 2 | 0 | 6.4 | 293.4 | 8.7 | 61.9 | 996.3 |
| 04/25/2022 | 19:30:00 - 19:45:00 | 8 | 0 | 4 | 2 | 0 | 6.1 | 292.4 | 8.2 | 63.1 | 996.5 |
| 04/25/2022 | 19:45:00 - 20:00:00 | 8 | 0 | 4 | 2 | 0 | 5.6 | 291.4 | 7.8 | 63.2 | 996.7 |
| 04/25/2022 | 20:00:00 - 20:15:00 | 8 | 0 | 4 | 2 | 0 | 6.1 | 295.9 | 7.5 | 63.9 | 996.8 |
| 04/25/2022 | 20:15:00 - 20:30:00 | 8 | 0 | 4 | 2 | 0 | 5.7 | 288.5 | 7.2 | 65.1 | 997.1 |
| 04/25/2022 | 20:30:00 - 20:45:00 | 8 | 0 | 4 | 2 | 0 | 5.3 | 287.9 | 6.9 | 67.1 | 997.3 |
| 04/25/2022 | 20:45:00 - 21:00:00 | 8 | 0 | 4 | 2 | 0 | 5.0 | 285.6 | 6.7 | 68.3 | 997.6 |
| 04/25/2022 | 21:00:00 - 21:15:00 | 8 | 1 | 4 | 2 | 0 | 4.8 | 293.5 | 6.5 | 67.7 | 997.7 |
| 04/25/2022 | 21:15:00 - 21:30:00 | 8 | 1 | 5 | 2 | 0 | 5.6 | 294.0 | 6.4 | 67.5 | 997.9 |
| 04/25/2022 | 21:30:00 - 21:45:00 | 8 | 1 | 5 | 2 | 0 | 6.2 | 293.7 | 6.3 | 65.9 | 998.0 |
| 04/25/2022 | 21:45:00 - 22:00:00 | 8 | 1 | 5 | 2 | 0 | 5.9 | 294.1 | 6.3 | 65.0 | 998.1 |
| 04/25/2022 | 22:00:00 - 22:15:00 | 8 | 1 | 5 | 2 | 0 | 5.8 | 299.5 | 6.3 | 66.9 | 998.1 |
| 04/25/2022 | 22:15:00 - 22:30:00 | 8 | 1 | 5 | 2 | 0 | 5.9 | 298.8 | 6.0 | 67.7 | 998.1 |
| 04/25/2022 | 22:30:00 - 22:45:00 | 8 | 1 | 5 | 3 | 0 | 4.4 | 295.4 | 5.7 | 69.9 | 998.1 |
| 04/25/2022 | 22:45:00 - 23:00:00 | 8 | 1 | 5 | 3 | 1 | 4.2 | 291.2 | 5.3 | 71.6 | 998.2 |
| 04/25/2022 | 23:00:00 - 23:15:00 | 8 | 1 | 5 | 3 | 1 | 4.4 | 287.4 | 5.1 | 73.1 | 998.2 |
| 04/25/2022 | 23:15:00 - 23:30:00 | 8 | 2 | 5 | 3 | 1 | 4.6 | 292.1 | 4.9 | 73.8 | 998.3 |
| 04/25/2022 | 23:30:00 - 23:45:00 | 8 | 2 | 5 | 3 | 0 | 5.3 | 288.9 | 4.7 | 73.2 | 998.3 |
| 04/26/2022 | 23:45:00 - 00:00:00 | 8 | 1 | 5 | 3 | 0 | 5.6 | 284.2 | 4.5 | 74.4 | 998.4 |
| 04/26/2022 | 00:00:00 - 00:15:00 | 8 | 2 | 5 | 3 | 1 | 4.6 | 290.0 | 4.2 | 75.9 | 998.5 |
| 04/26/2022 | 00:15:00 - 00:30:00 | 8 | 2 | 5 | 2 | 0 | 5.1 | 289.6 | 4.0 | 75.6 | 998.4 |
| 04/26/2022 | 00:30:00 - 00:45:00 | 8 | 2 | 5 | 3 | 0 | 5.1 | 287.1 | 3.8 | 76.1 | 998.5 |
| 04/26/2022 | 00:45:00 - 01:00:00 | 8 | 2 | 5 | 3 | 0 | 5.0 | 284.3 | 3.6 | 77.0 | 998.4 |
| 04/26/2022 | 01:00:00 - 01:15:00 | 8 | 2 | 5 | 3 | 0 | 4.7 | 287.5 | 3.3 | 77.6 | 998.3 |
| 04/26/2022 | 01:15:00 - 01:30:00 | 8 | 2 | 5 | 3 | 0 | 5.3 | 282.0 | 3.2 | 78.8 | 998.4 |
| 04/26/2022 | 01:30:00 - 01:45:00 | 8 | 2 | 5 | 3 | 0 | 5.4 | 291.4 | 3.2 | 80.0 | 998.3 |
| 04/26/2022 | 01:45:00 - 02:00:00 | 8 | 2 | 5 | 3 | 1 | 5.7 | 293.6 | 3.3 | 80.0 | 998.3 |
| 04/26/2022 | 02:00:00 - 02:15:00 | 8 | 2 | 5 | 3 | 1 | 5.3 | 297.2 | 3.6 | 77.1 | 998.2 |
| 04/26/2022 | 02:15:00 - 02:30:00 | 8 | 2 | 5 | 3 | 1 | 5.0 | 297.0 | 3.7 | 75.2 | 998.1 |
| 04/26/2022 | 02:30:00 - 02:45:00 | 8 | 2 | 5 | 3 | 1 | 4.5 | 293.9 | 3.7 | 75.8 | 997.9 |
| 04/26/2022 | 02:45:00 - 03:00:00 | 8 | 2 | 5 | 3 | 1 | 5.0 | 295.2 | 3.7 | 75.3 | 998.1 |
| 04/26/2022 | 03:00:00 - 03:15:00 | 8 | 2 | 5 | 3 | 0 | 5.1 | 303.5 | 3.8 | 74.9 | 998.3 |
| 04/26/2022 | 03:15:00 - 03:30:00 | 8 | 2 | 5 | 3 | 0 | 5.4 | 289.5 | 3.6 | 76.4 | 998.4 |
| 04/26/2022 | 03:30:00 - 03:45:00 | 8 | 2 | 5 | 2 | 0 | 6.4 | 291.4 | 3.5 | 77.4 | 998.4 |
| 04/26/2022 | 03:45:00 - 04:00:00 | 8 | 2 | 5 | 3 | 0 | 5.2 | 292.1 | 3.3 | 77.6 | 998.4 |
| 04/26/2022 | 04:00:00 - 04:15:00 | 8 | 2 | 5 | 3 | 0 | 5.3 | 284.6 | 3.1 | 78.6 | 998.5 |
| 04/26/2022 | 04:15:00 - 04:30:00 | 8 | 2 | 5 | 3 | 0 | 4.2 | 292.3 | 3.0 | 79.0 | 998.6 |
| 04/26/2022 | 04:30:00 - 04:45:00 | 8 | 2 | 5 | 3 | 1 | 4.5 | 296.7 | 2.8 | 77.9 | 998.6 |
| 04/26/2022 | 04:45:00 - 05:00:00 | 8 | 2 | 5 | 3 | 0 | 5.0 | 304.5 | 2.8 | 76.8 | 998.6 |
| 04/26/2022 | 05:00:00 - 05:15:00 | 7 | 2 | 5 | 2 | 0 | 5.7 | 300.5 | 2.7 | 76.0 | 998.7 |
| 04/26/2022 | 05:15:00 - 05:30:00 | 8 | 2 | 5 | 3 | 0 | 4.1 | 297.8 | 2.5 | 77.4 | 998.9 |
| 04/26/2022 | 05:30:00 - 05:45:00 | 8 | 2 | 5 | 3 | 0 | 3.9 | 292.0 | 2.2 | 79.6 | 998.9 |
| 04/26/2022 | 05:45:00 - 06:00:00 | 8 | 2 | 5 | 3 | 0 | 4.3 | 288.0 | 2.1 | 80.3 | 999.1 |
| 04/26/2022 | 06:00:00 - 06:15:00 | 8 | 2 | 6 | 3 | 1 | 4.8 | 287.7 | 2.0 | 81.8 | 999.3 |
| 04/26/2022 | 06:15:00 - 06:30:00 | 8 | 2 | 6 | 3 | 1 | 5.8 | 293.5 | 2.0 | 79.5 | 999.5 |
| 04/26/2022 | 06:30:00 - 06:45:00 | 8 | 2 | 5 | 2 | 0 | 4.7 | 298.9 | 2.3 | 74.5 | 999.6 |
| 04/26/2022 | 06:45:00 - 07:00:00 | 8 | 2 | 5 | 2 | 0 | 6.2 | 292.5 | 2.4 | 72.7 | 999.8 |
| 04/26/2022 | 07:00:00 - 07:15:00 | 8 | 2 | 5 | 2 | 0 | 5.2 | 289.9 | 2.6 | 72.1 | 1000.1 |
| 04/26/2022 | 07:15:00 - 07:30:00 | 8 | 2 | 5 | 2 | 0 | 6.6 | 310.4 | 2.6 | 71.4 | 1000.2 |
| 04/26/2022 | 07:30:00 - 07:45:00 | 8 | 1 | 5 | 2 | 0 | 7.0 | 296.6 | 2.7 | 71.1 | 1000.3 |
| 04/26/2022 | 07:45:00 - 08:00:00 | 8 | 1 | 5 | 2 | 0 | 6.8 | 297.7 | 2.8 | 71.0 | 1000.4 |
| 04/26/2022 | 08:00:00 - 08:15:00 | 8 | 1 | 5 | 3 | 1 | 6.2 | 289.5 | 2.9 | 71.1 | 1000.4 |
| 04/26/2022 | 08:15:00 - 08:30:00 | 9 | 1 | 5 | 3 | 1 | 7.7 | 291.2 | 2.9 | 70.7 | 1000.5 |
| 04/26/2022 | 08:30:00 - 08:45:00 | 9 | 1 | 5 | 3 | 1 | 7.7 | 329.0 | 3.1 | 69.3 | 1000.6 |
| 04/26/2022 | 08:45:00 - 09:00:00 | 9 | 1 | 5 | 4 | 0 | 7.2 | 296.2 | 3.2 | 69.4 | 1000.6 |
| 04/26/2022 | 09:00:00 - 09:15:00 | 9 | 1 | 5 | 3 | 0 | 7.4 | 317.7 | 3.5 | 69.2 | 1000.5 |
| 04/26/2022 | 09:15:00 - 09:30:00 | 9 | 1 | 5 | 3 | 0 | 8.1 | 332.9 | 3.6 | 68.8 | 1000.6 |
| 04/26/2022 | 09:30:00 - 09:45:00 | 10 | 1 | 6 | 3 | 0 | 8.6 | 332.0 | 3.8 | 68.3 | 1000.8 |
| 04/26/2022 | 09:45:00 - 10:00:00 | 9 | 1 | 5 | 3 | 0 | 6.4 | 295.6 | 4.2 | 68.0 | 1000.8 |
| 04/26/2022 | 10:00:00 - 10:15:00 | 10 | 1 | 5 | 3 | 0 | 6.1 | 299.5 | 4.5 | 66.9 | 1001.0 |
| 04/26/2022 | 10:15:00 - 10:30:00 | 10 | 1 | 5 | 3 | 0 | 6.5 | 316.4 | 4.5 | 67.3 | 1001.0 |
| 04/26/2022 | 10:30:00 - 10:45:00 | 10 | 1 | 5 | 3 | 0 | 5.4 | 300.4 | 5.0 | 66.5 | 1001.0 |
| 04/26/2022 | 10:45:00 - 11:00:00 | 10 | 1 | 5 | 3 | 0 | 6.4 | 295.5 | 5.4 | 65.2 | 1001.0 |
| 04/26/2022 | 11:00:00 - 11:15:00 | 10 | 1 | 5 | 3 | 0 | 6.3 | 303.7 | 5.7 | 65.6 | 1001.0 |
| 04/26/2022 | 11:15:00 - 11:30:00 | 10 | 1 | 5 | 3 | 0 | 6.4 | 293.4 | 6.0 | 65.1 | 1001.0 |
| 04/26/2022 | 11:30:00 - 11:45:00 | 10 | 1 | 5 | 3 | 0 | 5.7 | 307.4 | 6.4 | 64.0 | 1001.0 |
| 04/26/2022 | 11:45:00 - 12:00:00 | 10 | 1 | 5 | 3 | 0 | 5.4 | 307.2 | 6.9 | 63.3 | 1001.0 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 04/26/2022 | 12:00:00 - 12:15:00 | 10 | 1 | 5 | 3 | 0 | 6.1 | 289.8 | 7.3 | 61.9 | 1000.9 |
| 04/26/2022 | 12:15:00 - 12:30:00 | 10 | 1 | 5 | 3 | 0 | 5.6 | 302.4 | 7.7 | 60.2 | 1001.0 |
| 04/26/2022 | 12:30:00 - 12:45:00 | 10 | 1 | 5 | 3 | 0 | 5.8 | 281.7 | 8.1 | 59.7 | 1000.7 |
| 04/26/2022 | 12:45:00 - 13:00:00 | 10 | 1 | 5 | 3 | 0 | 6.5 | 288.5 | 8.4 | 58.4 | 1000.5 |
| 04/26/2022 | 13:00:00 - 13:15:00 | 11 | 1 | 6 | 4 | 0 | 6.7 | 316.3 | 8.4 | 56.9 | 1000.5 |
| 04/26/2022 | 13:15:00 - 13:30:00 | 11 | 1 | 5 | 3 | 0 | 6.4 | 314.5 | 9.0 | 56.1 | 1000.5 |
| 04/26/2022 | 13:30:00 - 13:45:00 | 12 | 2 | 7 | 3 | 0 | 7.1 | 279.0 | 9.3 | 54.3 | 1000.4 |
| 04/26/2022 | 13:45:00 - 14:00:00 | 12 | 1 | 6 | 3 | 0 | 6.6 | 288.0 | 9.9 | 51.8 | 1000.4 |
| 04/26/2022 | 14:00:00 - 14:15:00 | 10 | 1 | 5 | 3 | 0 | 6.8 | 305.9 | 10.0 | 51.1 | 1000.3 |
| 04/26/2022 | 14:15:00 - 14:30:00 | 11 | 2 | 6 | 3 | 0 | 6.5 | 282.1 | 10.9 | 48.1 | 1000.2 |
| 04/26/2022 | 14:30:00 - 14:45:00 | 13 | 1 | 6 | 3 | 0 | 7.4 | 282.2 | 10.9 | 45.6 | 1000.1 |
| 04/26/2022 | 14:45:00 - 15:00:00 | 11 | 3 | 5 | 3 | 0 | 5.8 | 286.0 | 11.5 | 45.4 | 1000.0 |
| 04/26/2022 | 15:00:00 - 15:15:00 | 12 | 2 | 6 | 4 | 0 | 5.4 | 292.1 | 11.8 | 43.1 | 999.8 |
| 04/26/2022 | 15:15:00 - 15:30:00 | 11 | 2 | 5 | 4 | 0 | 5.9 | 283.2 | 11.9 | 42.2 | 999.7 |
| 04/26/2022 | 15:30:00 - 15:45:00 | 11 | 1 | 5 | 4 | 0 | 6.6 | 292.8 | 12.1 | 41.0 | 999.6 |
| 04/26/2022 | 15:45:00 - 16:00:00 | 11 | 1 | 5 | 3 | 0 | 5.9 | 296.3 | 12.0 | 39.7 | 999.5 |
| 04/26/2022 | 16:00:00 - 16:15:00 | 11 | 1 | 5 | 3 | 0 | 6.9 | 288.3 | 12.3 | 38.7 | 999.3 |
| 04/26/2022 | 16:15:00 - 16:30:00 | 10 | 1 | 5 | 3 | 0 | 6.9 | 306.3 | 12.4 | 37.4 | 999.3 |
| 04/26/2022 | 16:30:00 - 16:45:00 | 10 | 1 | 5 | 3 | 0 | 6.5 | 293.6 | 12.6 | 36.8 | 999.3 |
| 04/26/2022 | 16:45:00 - 17:00:00 | 11 | 1 | 5 | 3 | 0 | 6.3 | 295.8 | 12.7 | 36.3 | 999.1 |
| 04/26/2022 | 17:00:00 - 17:15:00 | 11 | 1 | 5 | 3 | 0 | 6.1 | 289.4 | 12.8 | 35.5 | 999.1 |
| 04/26/2022 | 17:15:00 - 17:30:00 | 11 | 1 | 5 | 3 | 0 | 6.8 | 295.8 | 12.6 | 35.2 | 999.1 |
| 04/26/2022 | 17:30:00 - 17:45:00 | 10 | 1 | 5 | 3 | 0 | 5.5 | 299.4 | 12.8 | 36.0 | 999.1 |
| 04/26/2022 | 17:45:00 - 18:00:00 | 11 | 1 | 5 | 4 | 0 | 6.1 | 284.3 | 12.7 | 35.7 | 999.0 |
| 04/26/2022 | 18:00:00 - 18:15:00 | 11 | 1 | 5 | 4 | 0 | 6.3 | 298.6 | 12.7 | 36.1 | 998.9 |
| 04/26/2022 | 18:15:00 - 18:30:00 | 11 | 1 | 5 | 4 | 0 | 6.6 | 295.3 | 12.4 | 36.7 | 998.9 |
| 04/26/2022 | 18:30:00 - 18:45:00 | 11 | 1 | 5 | 4 | 1 | 6.2 | 288.1 | 12.2 | 37.3 | 998.9 |
| 04/26/2022 | 18:45:00 - 19:00:00 | 11 | 1 | 5 | 4 | 1 | 4.9 | 293.5 | 12.1 | 38.2 | 999.0 |
| 04/26/2022 | 19:00:00 - 19:15:00 | 11 | 1 | 5 | 4 | 1 | 4.9 | 286.5 | 11.8 | 38.9 | 999.1 |
| 04/26/2022 | 19:15:00 - 19:30:00 | 10 | 1 | 5 | 3 | 1 | 4.0 | 280.3 | 11.5 | 40.5 | 999.0 |
| 04/26/2022 | 19:30:00 - 19:45:00 | 10 | 1 | 5 | 4 | 1 | 3.2 | 279.1 | 11.1 | 43.2 | 999.0 |
| 04/26/2022 | 19:45:00 - 20:00:00 | 10 | 1 | 5 | 4 | 1 | 3.5 | 282.9 | 10.8 | 45.0 | 999.1 |
| 04/26/2022 | 20:00:00 - 20:15:00 | 10 | 1 | 5 | 5 | 1 | 3.0 | 281.3 | 10.5 | 46.2 | 999.1 |
| 04/26/2022 | 20:15:00 - 20:30:00 | 10 | 2 | 5 | 5 | 1 | 3.2 | 273.2 | 10.3 | 47.0 | 999.1 |
| 04/26/2022 | 20:30:00 - 20:45:00 | 10 | 4 | 5 | 9 | 1 | 2.5 | 267.8 | 10.0 | 48.7 | 999.2 |
| 04/26/2022 | 20:45:00 - 21:00:00 | 10 | 4 | 5 | 5 | 2 | 3.0 | 269.4 | 9.7 | 50.2 | 999.2 |
| 04/26/2022 | 21:00:00 - 21:15:00 | 10 | 3 | 5 | 6 | 2 | 2.5 | 274.3 | 9.5 | 50.9 | 999.2 |
| 04/26/2022 | 21:15:00 - 21:30:00 | 10 | 2 | 5 | 5 | 2 | 2.3 | 278.6 | 9.2 | 52.0 | 999.3 |
| 04/26/2022 | 21:30:00 - 21:45:00 | 11 | 2 | 6 | 5 | 3 | 2.3 | 271.7 | 9.1 | 52.8 | 999.4 |
| 04/26/2022 | 21:45:00 - 22:00:00 | 10 | 2 | 6 | 4 | 2 | 2.6 | 274.5 | 8.9 | 53.6 | 999.5 |
| 04/26/2022 | 22:00:00 - 22:15:00 | 10 | 2 | 6 | 4 | 3 | 2.6 | 275.1 | 8.7 | 54.5 | 999.6 |
| 04/26/2022 | 22:15:00 - 22:30:00 | 12 | 2 | 7 | 4 | 5 | 3.1 | 273.2 | 8.6 | 54.8 | 999.6 |
| 04/26/2022 | 22:30:00 - 22:45:00 | 12 | 3 | 7 | 6 | 5 | 2.8 | 273.3 | 8.4 | 55.2 | 999.6 |
| 04/26/2022 | 22:45:00 - 23:00:00 | 12 | 3 | 7 | 5 | 4 | 2.3 | 275.4 | 8.2 | 56.5 | 999.7 |
| 04/26/2022 | 23:00:00 - 23:15:00 | 11 | 3 | 7 | 5 | 4 | 1.9 | 279.1 | 8.0 | 57.4 | 999.8 |
| 04/26/2022 | 23:15:00 - 23:30:00 | 12 | 4 | 7 | 5 | 4 | 1.6 | 286.7 | 7.5 | 59.9 | 999.9 |
| 04/26/2022 | 23:30:00 - 23:45:00 | 12 | 4 | 7 | 5 | 4 | 1.7 | 287.2 | 7.4 | 60.2 | 999.9 |
| 04/27/2022 | 23:45:00 - 00:00:00 | 11 | 4 | 7 | 5 | 4 | 2.4 | 270.4 | 7.2 | 61.0 | 999.7 |
| 04/27/2022 | 00:00:00 - 00:15:00 | 12 | 4 | 7 | 5 | 4 | 1.7 | 280.9 | 7.0 | 61.4 | 999.6 |
| 04/27/2022 | 00:15:00 - 00:30:00 | 11 | 4 | 7 | 5 | 4 | 1.5 | 280.6 | 6.7 | 61.4 | 999.5 |
| 04/27/2022 | 00:30:00 - 00:45:00 | 11 | 4 | 7 | 5 | 5 | 1.6 | 302.8 | 6.5 | 63.3 | 999.7 |
| 04/27/2022 | 00:45:00 - 01:00:00 | 12 | 4 | 8 | 6 | 5 | 1.4 | 324.7 | 6.0 | 65.9 | 999.8 |
| 04/27/2022 | 01:00:00 - 01:15:00 | 12 | 4 | 8 | 6 | 5 | 1.4 | 279.0 | 5.5 | 67.6 | 999.7 |
| 04/27/2022 | 01:15:00 - 01:30:00 | 12 | 5 | 8 | 6 | 4 | 1.3 | 284.7 | 5.5 | 67.7 | 999.6 |
| 04/27/2022 | 01:30:00 - 01:45:00 | 11 | 5 | 8 | 6 | 4 | 1.0 | 334.5 | 5.7 | 66.6 | 999.6 |
| 04/27/2022 | 01:45:00 - 02:00:00 | 11 | 5 | 7 | 5 | 4 | 2.2 | 1.4 | 5.9 | 65.6 | 999.6 |
| 04/27/2022 | 02:00:00 - 02:15:00 | 11 | 4 | 7 | 5 | 4 | 2.5 | 2.9 | 5.9 | 65.8 | 999.6 |
| 04/27/2022 | 02:15:00 - 02:30:00 | 11 | 4 | 7 | 5 | 4 | 1.8 | 12.4 | 5.3 | 68.7 | 999.5 |
| 04/27/2022 | 02:30:00 - 02:45:00 | 19 | 6 | 13 | 6 | 12 | 1.5 | 29.7 | 4.7 | 70.7 | 999.3 |
| 04/27/2022 | 02:45:00 - 03:00:00 | 11 | 4 | 7 | 5 | 4 | 1.3 | 1.6 | 4.5 | 71.9 | 999.4 |
| 04/27/2022 | 03:00:00 - 03:15:00 | 11 | 4 | 8 | 5 | 4 | 3.8 | 50.8 | 4.3 | 72.4 | 999.4 |
| 04/27/2022 | 03:15:00 - 03:30:00 | 12 | 6 | 8 | 6 | 5 | 3.7 | 52.5 | 3.7 | 75.1 | 999.5 |
| 04/27/2022 | 03:30:00 - 03:45:00 | 12 | 6 | 8 | 6 | 6 | 3.1 | 63.2 | 3.2 | 77.8 | 999.4 |
| 04/27/2022 | 03:45:00 - 04:00:00 | 12 | 6 | 8 | 7 | 5 | 3.1 | 65.5 | 2.9 | 78.4 | 999.3 |
| 04/27/2022 | 04:00:00 - 04:15:00 | 12 | 7 | 8 | 7 | 5 | 3.9 | 66.2 | 2.7 | 79.0 | 999.4 |
| 04/27/2022 | 04:15:00 - 04:30:00 | 12 | 6 | 9 | 7 | 5 | 4.2 | 73.0 | 2.6 | 79.1 | 999.6 |
| 04/27/2022 | 04:30:00 - 04:45:00 | 12 | 6 | 9 | 7 | 6 | 5.0 | 72.1 | 2.5 | 80.0 | 999.6 |
| 04/27/2022 | 04:45:00 - 05:00:00 | 12 | 6 | 9 | 7 | 5 | 4.7 | 73.1 | 2.3 | 80.0 | 999.7 |
| 04/27/2022 | 05:00:00 - 05:15:00 | 12 | 6 | 9 | 7 | 5 | 3.6 | 71.8 | 2.1 | 80.1 | 999.8 |
| 04/27/2022 | 05:15:00 - 05:30:00 | 12 | 5 | 8 | 7 | 5 | 3.7 | 78.2 | 2.0 | 79.7 | 999.8 |
| 04/27/2022 | 05:30:00 - 05:45:00 | 11 | 5 | 8 | 6 | 4 | 4.6 | 88.3 | 2.0 | 78.2 | 999.9 |
| 04/27/2022 | 05:45:00 - 06:00:00 | 11 | 5 | 8 | 5 | 4 | 5.5 | 85.1 | 1.9 | 77.2 | 999.9 |
| 04/27/2022 | 06:00:00 - 06:15:00 | 10 | 5 | 8 | 5 | 4 | 4.1 | 85.6 | 1.8 | 77.2 | 1000.0 |
| 04/27/2022 | 06:15:00 - 06:30:00 | 10 | 4 | 7 | 5 | 3 | 4.5 | 82.2 | 1.9 | 77.0 | 1000.1 |
| 04/27/2022 | 06:30:00 - 06:45:00 | 10 | 4 | 7 | 5 | 3 | 4.9 | 84.6 | 2.1 | 76.3 | 1000.1 |
| 04/27/2022 | 06:45:00 - 07:00:00 | 10 | 4 | 7 | 5 | 4 | 4.9 | 79.4 | 2.4 | 75.1 | 1000.2 |
| 04/27/2022 | 07:00:00 - 07:15:00 | 10 | 4 | 7 | 5 | 4 | 4.5 | 88.0 | 2.8 | 73.7 | 1000.3 |
| 04/27/2022 | 07:15:00 - 07:30:00 | 10 | 3 | 7 | 4 | 5 | 7.2 | 85.2 | 3.1 | 72.3 | 1000.4 |
| 04/27/2022 | 07:30:00 - 07:45:00 | 10 | 3 | 7 | 5 | 7 | 5.8 | 96.0 | 3.7 | 70.6 | 1000.5 |
| 04/27/2022 | 07:45:00 - 08:00:00 | 10 | 3 | 7 | 5 | 4 | 6.8 | 83.9 | 3.9 | 70.0 | 1000.7 |
| 04/27/2022 | 08:00:00 - 08:15:00 | 11 | 3 | 7 | 5 | 4 | 4.2 | 97.7 | 4.6 | 68.6 | 1001.0 |
| 04/27/2022 | 08:15:00 - 08:30:00 | 12 | 3 | 7 | 5 | 4 | 4.6 | 103.1 | 5.2 | 66.5 | 1001.1 |
| 04/27/2022 | 08:30:00 - 08:45:00 | 11 | 3 | 7 | 6 | 5 | 6.5 | 84.9 | 5.4 | 67.0 | 1001.0 |
| 04/27/2022 | 08:45:00 - 09:00:00 | 12 | 3 | 7 | 6 | 4 | 5.0 | 103.7 | 5.9 | 65.7 | 1000.9 |
| 04/27/2022 | 09:00:00 - 09:15:00 | 12 | 3 | 7 | 6 | 4 | 5.3 | 105.0 | 6.4 | 64.9 | 1000.7 |
| 04/27/2022 | 09:15:00 - 09:30:00 | 12 | 3 | 7 | 6 | 4 | 6.2 | 93.2 | 6.7 | 64.1 | 1000.6 |
| 04/27/2022 | 09:30:00 - 09:45:00 | 11 | 2 | 7 | 5 | 5 | 4.4 | 94.9 | 7.3 | 62.8 | 1000.7 |
| 04/27/2022 | 09:45:00 - 10:00:00 | 11 | 2 | 7 | 5 | 4 | 6.5 | 92.6 | 7.8 | 61.7 | 1000.6 |
| 04/27/2022 | 10:00:00 - 10:15:00 | 12 | 2 | 7 | 5 | 3 | 4.6 | 101.7 | 8.4 | 59.4 | 1000.4 |
| 04/27/2022 | 10:15:00 - 10:30:00 | 12 | 2 | 7 | 5 | 2 | 4.6 | 101.0 | 8.9 | 57.8 | 1000.2 |
| 04/27/2022 | 10:30:00 - 10:45:00 | 12 | 2 | 7 | 5 | 1 | 6.1 | 94.4 | 9.3 | 56.2 | 1000.2 |
| 04/27/2022 | 10:45:00 - 11:00:00 | 12 | 3 | 7 | 5 | 2 | 4.9 | 102.7 | 9.8 | 55.1 | 1000.0 |
| 04/27/2022 | 11:00:00 - 11:15:00 | 12 | 3 | 7 | 6 | 2 | 5.5 | 101.3 | 10.2 | 54.9 | 999.7 |
| 04/27/2022 | 11:15:00 - 11:30:00 | 13 | 3 | 7 | 6 | 2 | 5.8 | 103.1 | 10.7 | 53.5 | 999.6 |
| 04/27/2022 | 11:30:00 - 11:45:00 | 13 | 3 | 7 | 6 | 2 | 4.4 | 105.2 | 11.4 | 51.9 | 999.4 |
| 04/27/2022 | 11:45:00 - 12:00:00 | 13 | 3 | 7 | 5 | 3 | 5.3 | 105.4 | 11.9 | 52.3 | 999.2 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 04/27/2022 | 12:00:00 - 12:15:00 | 13 | 3 | 7 | 6 | 1 | 2.2 | 134.0 | 12.8 | 49.0 | 999.0 |
| 04/27/2022 | 12:15:00 - 12:30:00 | 14 | 3 | 7 | 6 | 1 | 3.0 | 138.3 | 13.7 | 47.8 | 998.8 |
| 04/27/2022 | 12:30:00 - 12:45:00 | 15 | 4 | 7 | 6 | 2 | 2.6 | 134.7 | 14.0 | 46.1 | 998.6 |
| 04/27/2022 | 12:45:00 - 13:00:00 | 14 | 4 | 7 | 6 | 2 | 2.7 | 166.3 | 14.7 | 45.5 | 998.4 |
| 04/27/2022 | 13:00:00 - 13:15:00 | 14 | 4 | 7 | 6 | 2 | 2.4 | 197.9 | 15.0 | 45.1 | 998.2 |
| 04/27/2022 | 13:15:00 - 13:30:00 | 13 | 3 | 6 | 6 | 1 | 2.7 | 177.3 | 15.2 | 44.5 | 998.0 |
| 04/27/2022 | 13:30:00 - 13:45:00 | 14 | 3 | 6 | 6 | 1 | 2.4 | 147.5 | 15.7 | 43.7 | 997.7 |
| 04/27/2022 | 13:45:00 - 14:00:00 | 13 | 3 | 6 | 6 | 1 | 2.9 | 139.9 | 16.1 | 43.0 | 997.4 |
| 04/27/2022 | 14:00:00 - 14:15:00 | 13 | 3 | 6 | 6 | 1 | 4.0 | 108.3 | 16.3 | 43.0 | 997.3 |
| 04/27/2022 | 14:15:00 - 14:30:00 | 16 | 3 | 7 | 6 | 2 | 2.0 | 183.4 | 16.8 | 41.0 | 997.2 |
| 04/27/2022 | 14:30:00 - 14:45:00 | 14 | 3 | 7 | 6 | 1 | 1.1 | 109.7 | 16.7 | 41.2 | 997.0 |
| 04/27/2022 | 14:45:00 - 15:00:00 | 14 | 3 | 7 | 6 | 1 | 0.8 | 112.5 | 17.3 | 39.9 | 996.7 |
| 04/27/2022 | 15:00:00 - 15:15:00 | 13 | 3 | 6 | 6 | 1 | 3.2 | 113.7 | 16.9 | 40.5 | 996.5 |
| 04/27/2022 | 15:15:00 - 15:30:00 | 14 | 3 | 7 | 6 | 2 | 3.8 | 101.1 | 16.6 | 41.3 | 996.2 |
| 04/27/2022 | 15:30:00 - 15:45:00 | 13 | 3 | 7 | 6 | 2 | 4.6 | 80.7 | 16.6 | 42.6 | 996.1 |
| 04/27/2022 | 15:45:00 - 16:00:00 | 14 | 4 | 7 | 6 | 2 | 4.5 | 84.6 | 16.8 | 42.3 | 996.0 |
| 04/27/2022 | 16:00:00 - 16:15:00 | 14 | 3 | 7 | 6 | 1 | 6.3 | 87.9 | 16.9 | 41.9 | 995.7 |
| 04/27/2022 | 16:15:00 - 16:30:00 | 14 | 3 | 7 | 6 | 3 | 5.4 | 82.8 | 17.3 | 41.5 | 995.6 |
| 04/27/2022 | 16:30:00 - 16:45:00 | 14 | 3 | 7 | 7 | 11 | 5.3 | 107.0 | 17.5 | 40.8 | 995.4 |
| 04/27/2022 | 16:45:00 - 17:00:00 | 14 | 3 | 7 | 6 | 3 | 7.8 | 91.5 | 17.3 | 41.4 | 995.2 |
| 04/27/2022 | 17:00:00 - 17:15:00 | 14 | 4 | 7 | 6 | 3 | 8.3 | 86.5 | 17.4 | 41.6 | 994.9 |
| 04/27/2022 | 17:15:00 - 17:30:00 | 14 | 4 | 7 | 7 | 3 | 6.2 | 106.2 | 17.4 | 41.1 | 994.8 |
| 04/27/2022 | 17:30:00 - 17:45:00 | 15 | 5 | 8 | 7 | 4 | 5.7 | 94.8 | 17.6 | 41.4 | 994.6 |
| 04/27/2022 | 17:45:00 - 18:00:00 | 16 | 5 | 8 | 8 | 4 | 7.3 | 91.2 | 17.6 | 41.5 | 994.6 |
| 04/27/2022 | 18:00:00 - 18:15:00 | 14 | 4 | 7 | 7 | 2 | 6.8 | 89.9 | 17.2 | 42.6 | 994.4 |
| 04/27/2022 | 18:15:00 - 18:30:00 | 13 | 3 | 7 | 6 | 2 | 7.4 | 93.2 | 17.1 | 42.9 | 994.2 |
| 04/27/2022 | 18:30:00 - 18:45:00 | 16 | 6 | 9 | 9 | 5 | 6.9 | 98.1 | 16.7 | 43.9 | 994.3 |
| 04/27/2022 | 18:45:00 - 19:00:00 | 14 | 4 | 7 | 6 | 4 | 7.6 | 98.7 | 16.3 | 44.4 | 994.2 |
| 04/27/2022 | 19:00:00 - 19:15:00 | 15 | 4 | 9 | 7 | 4 | 7.9 | 99.2 | 15.9 | 45.5 | 994.1 |
| 04/27/2022 | 19:15:00 - 19:30:00 | 16 | 5 | 9 | 8 | 5 | 8.1 | 95.2 | 15.4 | 46.9 | 994.0 |
| 04/27/2022 | 19:30:00 - 19:45:00 | 16 | 5 | 9 | 8 | 5 | 7.5 | 87.0 | 14.7 | 51.0 | 994.0 |
| 04/27/2022 | 19:45:00 - 20:00:00 | 15 | 5 | 9 | 7 | 5 | 7.1 | 94.6 | 14.2 | 52.7 | 994.1 |
| 04/27/2022 | 20:00:00 - 20:15:00 | 16 | 6 | 9 | 9 | 6 | 7.1 | 84.2 | 13.7 | 54.3 | 994.5 |
| 04/27/2022 | 20:15:00 - 20:30:00 | 17 | 6 | 10 | 9 | 7 | 7.1 | 89.6 | 13.3 | 55.1 | 994.6 |
| 04/27/2022 | 20:30:00 - 20:45:00 | 16 | 6 | 10 | 9 | 7 | 6.3 | 78.6 | 13.1 | 55.9 | 994.9 |
| 04/27/2022 | 20:45:00 - 21:00:00 | 15 | 5 | 9 | 8 | 6 | 7.5 | 91.5 | 12.8 | 55.8 | 995.1 |
| 04/27/2022 | 21:00:00 - 21:15:00 | 15 | 5 | 9 | 8 | 6 | 7.0 | 84.7 | 12.6 | 55.8 | 995.3 |
| 04/27/2022 | 21:15:00 - 21:30:00 | 16 | 5 | 10 | 9 | 9 | 9.3 | 89.3 | 11.8 | 60.9 | 994.9 |
| 04/27/2022 | 21:30:00 - 21:45:00 | 16 | 6 | 10 | 9 | 8 | 6.6 | 68.2 | 11.4 | 63.1 | 995.7 |
| 04/27/2022 | 21:45:00 - 22:00:00 | 17 | 6 | 10 | 9 | 8 | 6.5 | 77.8 | 11.1 | 63.5 | 996.0 |
| 04/27/2022 | 22:00:00 - 22:15:00 | 16 | 6 | 10 | 8 | 7 | 6.4 | 72.0 | 10.7 | 64.9 | 996.2 |
| 04/27/2022 | 22:15:00 - 22:30:00 | 14 | 4 | 8 | 7 | 5 | 6.6 | 67.3 | 10.1 | 66.1 | 996.4 |
| 04/27/2022 | 22:30:00 - 22:45:00 | 11 | 2 | 6 | 4 | 2 | 6.1 | 59.8 | 8.8 | 67.7 | 996.4 |
| 04/27/2022 | 22:45:00 - 23:00:00 | 11 | 2 | 6 | 4 | 3 | 7.7 | 80.5 | 8.7 | 66.9 | 996.2 |
| 04/27/2022 | 23:00:00 - 23:15:00 | 11 | 2 | 6 | 4 | 2 | 7.1 | 79.9 | 8.5 | 65.7 | 996.2 |
| 04/27/2022 | 23:15:00 - 23:30:00 | 11 | 2 | 6 | 4 | 3 | 6.7 | 76.9 | 8.2 | 66.5 | 996.3 |
| 04/27/2022 | 23:30:00 - 23:45:00 | 11 | 2 | 6 | 5 | 3 | 6.7 | 79.8 | 8.0 | 66.8 | 996.5 |
| 04/28/2022 | 23:45:00 - 00:00:00 | 11 | 2 | 6 | 5 | 3 | 7.3 | 82.2 | 8.0 | 67.0 | 996.5 |
| 04/28/2022 | 00:00:00 - 00:15:00 | 11 | 2 | 6 | 4 | 3 | 8.4 | 79.5 | 7.8 | 66.9 | 996.5 |
| 04/28/2022 | 00:15:00 - 00:30:00 | 10 | 2 | 6 | 4 | 2 | 7.8 | 82.1 | 7.7 | 67.1 | 996.6 |
| 04/28/2022 | 00:30:00 - 00:45:00 | 10 | 2 | 6 | 4 | 3 | 8.0 | 82.6 | 7.7 | 67.1 | 996.5 |
| 04/28/2022 | 00:45:00 - 01:00:00 | 10 | 2 | 6 | 4 | 2 | 7.1 | 80.1 | 7.7 | 67.8 | 996.4 |
| 04/28/2022 | 01:00:00 - 01:15:00 | 10 | 2 | 6 | 4 | 2 | 9.1 | 83.3 | 7.5 | 68.1 | 996.4 |
| 04/28/2022 | 01:15:00 - 01:30:00 | 10 | 2 | 6 | 4 | 2 | 7.3 | 90.1 | 7.4 | 68.9 | 996.3 |
| 04/28/2022 | 01:30:00 - 01:45:00 | 10 | 2 | 6 | 4 | 2 | 7.6 | 93.0 | 7.3 | 69.0 | 996.2 |
| 04/28/2022 | 01:45:00 - 02:00:00 | 10 | 2 | 6 | 4 | 2 | 8.3 | 92.0 | 7.3 | 69.2 | 996.0 |
| 04/28/2022 | 02:00:00 - 02:15:00 | 10 | 2 | 6 | 4 | 2 | 7.2 | 95.3 | 7.2 | 69.6 | 996.0 |
| 04/28/2022 | 02:15:00 - 02:30:00 | 10 | 2 | 6 | 4 | 2 | 7.1 | 90.1 | 7.1 | 70.1 | 995.9 |
| 04/28/2022 | 02:30:00 - 02:45:00 | 10 | 2 | 6 | 4 | 2 | 6.4 | 87.3 | 7.0 | 71.2 | 995.9 |
| 04/28/2022 | 02:45:00 - 03:00:00 | 10 | 3 | 6 | 4 | 3 | 6.9 | 91.5 | 7.0 | 71.6 | 995.7 |
| 04/28/2022 | 03:00:00 - 03:15:00 | 10 | 3 | 7 | 5 | 3 | 6.8 | 97.1 | 7.2 | 70.5 | 995.6 |
| 04/28/2022 | 03:15:00 - 03:30:00 | 11 | 3 | 7 | 5 | 4 | 6.1 | 105.6 | 7.3 | 70.0 | 995.6 |
| 04/28/2022 | 03:30:00 - 03:45:00 | 11 | 3 | 7 | 5 | 4 | 6.1 | 103.2 | 7.4 | 69.6 | 995.7 |
| 04/28/2022 | 03:45:00 - 04:00:00 | 11 | 3 | 7 | 5 | 4 | 5.4 | 105.8 | 7.5 | 70.0 | 995.8 |
| 04/28/2022 | 04:00:00 - 04:15:00 | 11 | 3 | 7 | 5 | 4 | 6.1 | 99.6 | 7.4 | 70.4 | 995.7 |
| 04/28/2022 | 04:15:00 - 04:30:00 | 11 | 3 | 7 | 5 | 4 | 5.8 | 107.1 | 7.2 | 71.5 | 995.5 |
| 04/28/2022 | 04:30:00 - 04:45:00 | 11 | 3 | 7 | 5 | 4 | 3.8 | 118.6 | 7.2 | 72.0 | 995.4 |
| 04/28/2022 | 04:45:00 - 05:00:00 | 11 | 3 | 7 | 5 | 4 | 3.9 | 116.1 | 7.2 | 72.7 | 995.3 |
| 04/28/2022 | 05:00:00 - 05:15:00 | 11 | 3 | 7 | 5 | 4 | 5.4 | 107.9 | 7.1 | 73.3 | 995.4 |
| 04/28/2022 | 05:15:00 - 05:30:00 | 11 | 4 | 7 | 5 | 4 | 4.4 | 117.4 | 7.1 | 74.0 | 995.3 |
| 04/28/2022 | 05:30:00 - 05:45:00 | 11 | 4 | 7 | 5 | 4 | 3.1 | 139.1 | 7.2 | 74.0 | 995.4 |
| 04/28/2022 | 05:45:00 - 06:00:00 | 11 | 4 | 7 | 6 | 4 | 3.4 | 139.4 | 7.2 | 74.0 | 995.4 |
| 04/28/2022 | 06:00:00 - 06:15:00 | 12 | 4 | 8 | 6 | 4 | 3.0 | 124.2 | 7.2 | 74.5 | 995.6 |
| 04/28/2022 | 06:15:00 - 06:30:00 | 12 | 4 | 8 | 6 | 5 | 3.5 | 127.9 | 7.2 | 75.0 | 995.6 |
| 04/28/2022 | 06:30:00 - 06:45:00 | 12 | 4 | 8 | 6 | 5 | 3.6 | 121.0 | 7.3 | 75.0 | 995.8 |
| 04/28/2022 | 06:45:00 - 07:00:00 | 12 | 4 | 8 | 6 | 5 | 3.5 | 135.6 | 7.5 | 74.5 | 996.0 |
| 04/28/2022 | 07:00:00 - 07:15:00 | 12 | 4 | 8 | 6 | 5 | 4.1 | 137.5 | 7.9 | 73.7 | 996.1 |
| 04/28/2022 | 07:15:00 - 07:30:00 | 12 | 4 | 8 | 7 | 5 | 4.5 | 142.7 | 8.1 | 72.8 | 996.2 |
| 04/28/2022 | 07:30:00 - 07:45:00 | 12 | 4 | 8 | 7 | 6 | 4.2 | 147.3 | 8.5 | 72.0 | 996.1 |
| 04/28/2022 | 07:45:00 - 08:00:00 | 12 | 4 | 8 | 7 | 5 | 4.5 | 142.5 | 9.4 | 69.7 | 996.0 |
| 04/28/2022 | 08:00:00 - 08:15:00 | 12 | 3 | 7 | 6 | 4 | 5.1 | 144.6 | 10.2 | 66.5 | 996.1 |
| 04/28/2022 | 08:15:00 - 08:30:00 | 13 | 3 | 8 | 7 | 5 | 7.0 | 146.8 | 10.0 | 66.3 | 996.1 |
| 04/28/2022 | 08:30:00 - 08:45:00 | 14 | 5 | 9 | 8 | 5 | 6.0 | 149.6 | 10.2 | 67.0 | 996.0 |
| 04/28/2022 | 08:45:00 - 09:00:00 | 12 | 3 | 7 | 7 | 4 | 6.3 | 137.5 | 10.5 | 66.5 | 995.9 |
| 04/28/2022 | 09:00:00 - 09:15:00 | 12 | 3 | 7 | 6 | 3 | 5.4 | 139.9 | 11.3 | 65.1 | 995.6 |
| 04/28/2022 | 09:15:00 - 09:30:00 | 12 | 3 | 7 | 6 | 3 | 5.4 | 145.1 | 11.8 | 63.0 | 995.5 |
| 04/28/2022 | 09:30:00 - 09:45:00 | 12 | 3 | 7 | 6 | 2 | 5.0 | 141.2 | 12.3 | 61.4 | 995.5 |
| 04/28/2022 | 09:45:00 - 10:00:00 | 12 | 2 | 7 | 5 | 1 | 4.0 | 144.9 | 12.8 | 60.0 | 995.5 |
| 04/28/2022 | 10:00:00 - 10:15:00 | 12 | 3 | 7 | 6 | 2 | 5.0 | 147.9 | 13.3 | 58.5 | 995.5 |
| 04/28/2022 | 10:15:00 - 10:30:00 | 12 | 3 | 7 | 5 | 1 | 4.4 | 140.6 | 13.5 | 57.7 | 995.4 |
| 04/28/2022 | 10:30:00 - 10:45:00 | 12 | 3 | 7 | 6 | 3 | 5.7 | 142.3 | 13.7 | 57.5 | 995.2 |
| 04/28/2022 | 10:45:00 - 11:00:00 | 12 | 3 | 7 | 6 | 1 | 5.6 | 149.6 | 13.8 | 57.7 | 995.2 |
| 04/28/2022 | 11:00:00 - 11:15:00 | 12 | 3 | 7 | 6 | 1 | 5.1 | 149.3 | 13.8 | 59.1 | 995.3 |
| 04/28/2022 | 11:15:00 - 11:30:00 | 13 | 3 | 7 | 6 | 2 | 3.8 | 142.3 | 14.0 | 59.2 | 995.4 |
| 04/28/2022 | 11:30:00 - 11:45:00 | 12 | 3 | 7 | 6 | 2 | 4.5 | 140.1 | 14.4 | 58.0 | 995.5 |
| 04/28/2022 | 11:45:00 - 12:00:00 | 12 | 3 | 7 | 6 | 2 | 4.2 | 146.1 | 15.1 | 55.8 | 995.4 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 04/28/2022 | 12:00:00 - 12:15:00 | 12 | 3 | 7 | 6 | 1 | 4.6 | 145.9 | 15.5 | 54.2 | 995.2 |
| 04/28/2022 | 12:15:00 - 12:30:00 | 13 | 3 | 7 | 6 | 1 | 4.5 | 142.1 | 15.9 | 53.1 | 995.0 |
| 04/28/2022 | 12:30:00 - 12:45:00 | 13 | 3 | 7 | 6 | 2 | 2.8 | 152.8 | 16.0 | 52.7 | 994.9 |
| 04/28/2022 | 12:45:00 - 13:00:00 | 13 | 4 | 8 | 6 | 2 | 2.1 | 176.7 | 16.1 | 53.0 | 994.8 |
| 04/28/2022 | 13:00:00 - 13:15:00 | 14 | 4 | 8 | 6 | 3 | 2.2 | 167.5 | 16.2 | 53.2 | 994.8 |
| 04/28/2022 | 13:15:00 - 13:30:00 | 14 | 4 | 8 | 7 | 3 | 1.9 | 166.0 | 16.5 | 54.8 | 994.7 |
| 04/28/2022 | 13:30:00 - 13:45:00 | 15 | 5 | 9 | 9 | 4 | 3.3 | 212.8 | 16.1 | 60.8 | 994.7 |
| 04/28/2022 | 13:45:00 - 14:00:00 | 14 | 4 | 8 | 9 | 3 | 3.6 | 203.5 | 15.1 | 64.8 | 994.6 |
| 04/28/2022 | 14:00:00 - 14:15:00 | 15 | 5 | 8 | 7 | 4 | 2.2 | 141.7 | 15.2 | 67.6 | 994.3 |
| 04/28/2022 | 14:15:00 - 14:30:00 | 15 | 5 | 9 | 7 | 3 | 1.9 | 187.0 | 15.1 | 66.4 | 994.2 |
| 04/28/2022 | 14:30:00 - 14:45:00 | 15 | 4 | 8 | 7 | 4 | 2.1 | 175.4 | 15.5 | 63.6 | 994.2 |
| 04/28/2022 | 14:45:00 - 15:00:00 | 15 | 5 | 9 | 7 | 4 | 2.6 | 151.2 | 15.8 | 60.1 | 994.1 |
| 04/28/2022 | 15:00:00 - 15:15:00 | 14 | 5 | 8 | 8 | 4 | 3.3 | 149.0 | 15.8 | 60.6 | 993.9 |
| 04/28/2022 | 15:15:00 - 15:30:00 | 14 | 4 | 8 | 7 | 3 | 2.7 | 154.7 | 15.8 | 59.7 | 993.8 |
| 04/28/2022 | 15:30:00 - 15:45:00 | 13 | 4 | 7 | 7 | 2 | 3.4 | 139.3 | 15.5 | 57.3 | 993.8 |
| 04/28/2022 | 15:45:00 - 16:00:00 | 14 | 4 | 8 | 7 | 2 | 3.5 | 122.7 | 15.4 | 59.0 | 993.6 |
| 04/28/2022 | 16:00:00 - 16:15:00 | 15 | 5 | 8 | 8 | 3 | 4.2 | 138.9 | 15.3 | 63.6 | 993.6 |
| 04/28/2022 | 16:15:00 - 16:30:00 | 14 | 5 | 8 | 8 | 3 | 3.8 | 123.9 | 15.3 | 64.8 | 993.4 |
| 04/28/2022 | 16:30:00 - 16:45:00 | 14 | 4 | 8 | 7 | 3 | 3.9 | 124.6 | 15.5 | 63.1 | 993.1 |
| 04/28/2022 | 16:45:00 - 17:00:00 | 15 | 5 | 9 | 8 | 4 | 4.1 | 129.3 | 15.2 | 67.2 | 992.9 |
| 04/28/2022 | 17:00:00 - 17:15:00 | 15 | 5 | 9 | 8 | 4 | 3.9 | 120.7 | 14.8 | 71.2 | 992.8 |
| 04/28/2022 | 17:15:00 - 17:30:00 | 15 | 5 | 9 | 8 | 4 | 6.1 | 112.4 | 14.5 | 71.7 | 992.5 |
| 04/28/2022 | 17:30:00 - 17:45:00 | 16 | 5 | 9 | 8 | 5 | 5.4 | 119.9 | 14.4 | 73.6 | 992.3 |
| 04/28/2022 | 17:45:00 - 18:00:00 | 15 | 5 | 9 | 8 | 5 | 5.1 | 117.5 | 14.2 | 74.7 | 992.1 |
| 04/28/2022 | 18:00:00 - 18:15:00 | 15 | 4 | 9 | 7 | 4 | 5.7 | 108.3 | 14.0 | 74.9 | 992.2 |
| 04/28/2022 | 18:15:00 - 18:30:00 | 15 | 4 | 9 | 8 | 4 | 4.8 | 112.3 | 13.9 | 74.6 | 992.3 |
| 04/28/2022 | 18:30:00 - 18:45:00 | 15 | 5 | 9 | 8 | 4 | 4.5 | 101.8 | 13.8 | 75.0 | 992.4 |
| 04/28/2022 | 18:45:00 - 19:00:00 | 15 | 4 | 9 | 7 | 4 | 4.4 | 115.0 | 13.8 | 75.6 | 992.2 |
| 04/28/2022 | 19:00:00 - 19:15:00 | 15 | 5 | 9 | 8 | 5 | 5.0 | 106.6 | 13.6 | 76.0 | 992.4 |
| 04/28/2022 | 19:15:00 - 19:30:00 | 16 | 6 | 10 | 9 | 6 | 6.4 | 95.3 | 13.5 | 76.3 | 992.7 |
| 04/28/2022 | 19:30:00 - 19:45:00 | 17 | 6 | 10 | 9 | 7 | 5.8 | 101.0 | 13.3 | 77.0 | 992.8 |
| 04/28/2022 | 19:45:00 - 20:00:00 | 17 | 7 | 11 | 10 | 7 | 6.0 | 100.2 | 12.9 | 78.1 | 992.6 |
| 04/28/2022 | 20:00:00 - 20:15:00 | 18 | 7 | 11 | 10 | 8 | 7.0 | 97.9 | 12.8 | 77.1 | 992.6 |
| 04/28/2022 | 20:15:00 - 20:30:00 | 19 | 7 | 12 | 11 | 9 | 5.3 | 107.9 | 12.8 | 76.5 | 992.5 |
| 04/28/2022 | 20:30:00 - 20:45:00 | 18 | 7 | 12 | 11 | 9 | 5.6 | 108.3 | 12.8 | 75.9 | 992.5 |
| 04/28/2022 | 20:45:00 - 21:00:00 | 18 | 7 | 11 | 10 | 9 | 5.2 | 107.0 | 12.8 | 75.3 | 992.5 |
| 04/28/2022 | 21:00:00 - 21:15:00 | 17 | 7 | 11 | 10 | 9 | 5.5 | 106.7 | 12.6 | 76.5 | 992.6 |
| 04/28/2022 | 21:15:00 - 21:30:00 | 17 | 7 | 11 | 10 | 8 | 5.6 | 110.2 | 12.6 | 75.7 | 992.7 |
| 04/28/2022 | 21:30:00 - 21:45:00 | 17 | 7 | 11 | 10 | 8 | 5.2 | 108.5 | 12.7 | 75.1 | 992.8 |
| 04/28/2022 | 21:45:00 - 22:00:00 | 17 | 7 | 11 | 10 | 8 | 4.3 | 109.5 | 12.7 | 75.0 | 992.8 |
| 04/28/2022 | 22:00:00 - 22:15:00 | 17 | 7 | 11 | 10 | 8 | 4.1 | 110.3 | 12.7 | 75.0 | 992.7 |
| 04/28/2022 | 22:15:00 - 22:30:00 | 17 | 7 | 11 | 10 | 9 | 4.0 | 111.3 | 12.7 | 75.0 | 992.8 |
| 04/28/2022 | 22:30:00 - 22:45:00 | 17 | 7 | 11 | 10 | 9 | 3.6 | 118.6 | 12.7 | 74.5 | 992.7 |
| 04/28/2022 | 22:45:00 - 23:00:00 | 17 | 7 | 11 | 10 | 8 | 3.5 | 127.7 | 12.6 | 74.6 | 992.7 |
| 04/28/2022 | 23:00:00 - 23:15:00 | 17 | 7 | 11 | 10 | 8 | 2.6 | 143.8 | 12.6 | 74.5 | 992.7 |
| 04/28/2022 | 23:15:00 - 23:30:00 | 17 | 6 | 11 | 10 | 8 | 2.2 | 130.1 | 12.6 | 74.2 | 992.7 |
| 04/28/2022 | 23:30:00 - 23:45:00 | 16 | 6 | 10 | 9 | 8 | 3.0 | 130.8 | 12.7 | 73.7 | 992.6 |
| 04/29/2022 | 23:45:00 - 00:00:00 | 16 | 6 | 10 | 9 | 7 | 3.0 | 121.1 | 12.8 | 72.6 | 992.6 |
| 04/29/2022 | 00:00:00 - 00:15:00 | 17 | 6 | 10 | 9 | 7 | 3.3 | 115.3 | 12.8 | 72.4 | 992.6 |
| 04/29/2022 | 00:15:00 - 00:30:00 | 17 | 7 | 11 | 10 | 8 | 3.7 | 112.1 | 12.7 | 72.6 | 992.6 |
| 04/29/2022 | 00:30:00 - 00:45:00 | 17 | 6 | 11 | 10 | 8 | 3.5 | 115.4 | 12.6 | 73.9 | 992.5 |
| 04/29/2022 | 00:45:00 - 01:00:00 | 16 | 6 | 10 | 9 | 7 | 3.0 | 115.6 | 12.4 | 74.1 | 992.5 |
| 04/29/2022 | 01:00:00 - 01:15:00 | 16 | 6 | 10 | 9 | 7 | 2.8 | 119.5 | 12.3 | 74.7 | 992.3 |
| 04/29/2022 | 01:15:00 - 01:30:00 | 16 | 6 | 10 | 9 | 7 | 3.7 | 109.0 | 12.3 | 74.5 | 992.4 |
| 04/29/2022 | 01:30:00 - 01:45:00 | 16 | 6 | 10 | 9 | 6 | 2.9 | 134.4 | 12.3 | 74.7 | 992.3 |
| 04/29/2022 | 01:45:00 - 02:00:00 | 15 | 5 | 9 | 8 | 6 | 3.1 | 119.4 | 12.2 | 75.0 | 992.2 |
| 04/29/2022 | 02:00:00 - 02:15:00 | 15 | 5 | 9 | 8 | 6 | 2.9 | 109.2 | 12.1 | 75.9 | 992.1 |
| 04/29/2022 | 02:15:00 - 02:30:00 | 15 | 5 | 9 | 8 | 6 | 3.8 | 107.5 | 12.0 | 76.0 | 992.1 |
| 04/29/2022 | 02:30:00 - 02:45:00 | 15 | 5 | 9 | 8 | 6 | 2.6 | 111.7 | 12.0 | 76.1 | 992.0 |
| 04/29/2022 | 02:45:00 - 03:00:00 | 14 | 5 | 9 | 8 | 5 | 2.7 | 116.6 | 12.0 | 76.4 | 992.0 |
| 04/29/2022 | 03:00:00 - 03:15:00 | 14 | 5 | 9 | 8 | 5 | 4.4 | 107.9 | 12.0 | 75.6 | 991.9 |
| 04/29/2022 | 03:15:00 - 03:30:00 | 14 | 4 | 9 | 7 | 5 | 5.4 | 107.5 | 12.0 | 75.5 | 991.8 |
| 04/29/2022 | 03:30:00 - 03:45:00 | 14 | 4 | 9 | 7 | 5 | 3.6 | 120.1 | 12.0 | 75.0 | 991.7 |
| 04/29/2022 | 03:45:00 - 04:00:00 | 14 | 4 | 8 | 7 | 5 | 3.0 | 122.7 | 12.0 | 74.9 | 991.5 |
| 04/29/2022 | 04:00:00 - 04:15:00 | 14 | 4 | 8 | 7 | 4 | 3.5 | 125.6 | 12.0 | 74.0 | 991.4 |
| 04/29/2022 | 04:15:00 - 04:30:00 | 13 | 4 | 8 | 7 | 4 | 3.7 | 129.9 | 12.0 | 73.5 | 991.3 |
| 04/29/2022 | 04:30:00 - 04:45:00 | 13 | 3 | 8 | 6 | 4 | 3.5 | 130.1 | 12.1 | 72.9 | 991.3 |
| 04/29/2022 | 04:45:00 - 05:00:00 | 13 | 3 | 8 | 6 | 4 | 4.2 | 131.2 | 12.1 | 72.1 | 991.3 |
| 04/29/2022 | 05:00:00 - 05:15:00 | 13 | 3 | 8 | 6 | 4 | 4.3 | 136.6 | 12.1 | 72.0 | 991.3 |
| 04/29/2022 | 05:15:00 - 05:30:00 | 13 | 3 | 8 | 6 | 4 | 3.7 | 135.0 | 12.1 | 72.0 | 991.4 |
| 04/29/2022 | 05:30:00 - 05:45:00 | 13 | 3 | 8 | 6 | 3 | 3.9 | 124.0 | 12.1 | 72.4 | 991.4 |
| 04/29/2022 | 05:45:00 - 06:00:00 | 13 | 3 | 7 | 6 | 3 | 4.2 | 148.1 | 12.0 | 72.0 | 991.4 |
| 04/29/2022 | 06:00:00 - 06:15:00 | 13 | 3 | 7 | 6 | 3 | 4.2 | 143.3 | 12.0 | 72.0 | 991.4 |
| 04/29/2022 | 06:15:00 - 06:30:00 | 12 | 3 | 7 | 6 | 3 | 2.8 | 148.1 | 12.1 | 72.0 | 991.5 |
| 04/29/2022 | 06:30:00 - 06:45:00 | 12 | 3 | 7 | 6 | 3 | 2.2 | 136.0 | 12.2 | 71.3 | 991.6 |
| 04/29/2022 | 06:45:00 - 07:00:00 | 12 | 2 | 7 | 5 | 3 | 4.8 | 142.8 | 12.5 | 69.1 | 991.5 |
| 04/29/2022 | 07:00:00 - 07:15:00 | 11 | 2 | 6 | 5 | 2 | 4.8 | 142.1 | 12.7 | 67.3 | 991.4 |
| 04/29/2022 | 07:15:00 - 07:30:00 | 11 | 2 | 6 | 5 | 2 | 4.6 | 142.0 | 12.9 | 66.7 | 991.5 |
| 04/29/2022 | 07:30:00 - 07:45:00 | 11 | 2 | 6 | 5 | 2 | 4.6 | 138.3 | 13.0 | 67.0 | 991.5 |
| 04/29/2022 | 07:45:00 - 08:00:00 | 11 | 2 | 6 | 5 | 1 | 5.3 | 146.0 | 13.1 | 66.4 | 991.5 |
| 04/29/2022 | 08:00:00 - 08:15:00 | 11 | 2 | 6 | 5 | 1 | 4.4 | 139.0 | 13.3 | 65.8 | 991.4 |
| 04/29/2022 | 08:15:00 - 08:30:00 | 11 | 2 | 6 | 5 | 1 | 5.0 | 138.2 | 13.6 | 64.8 | 991.4 |
| 04/29/2022 | 08:30:00 - 08:45:00 | 11 | 2 | 6 | 5 | 1 | 4.7 | 138.6 | 14.0 | 64.0 | 991.4 |
| 04/29/2022 | 08:45:00 - 09:00:00 | 11 | 2 | 6 | 5 | 1 | 4.6 | 139.4 | 14.6 | 61.8 | 991.4 |
| 04/29/2022 | 09:00:00 - 09:15:00 | 11 | 1 | 6 | 4 | 1 | 6.1 | 141.8 | 15.2 | 58.4 | 991.2 |
| 04/29/2022 | 09:15:00 - 09:30:00 | 11 | 2 | 6 | 5 | 23 | 5.8 | 136.9 | 15.4 | 57.6 | 991.0 |
| 04/29/2022 | 09:30:00 - 09:45:00 | 11 | 2 | 6 | 5 | 1 | 5.5 | 137.7 | 15.9 | 56.1 | 990.9 |
| 04/29/2022 | 09:45:00 - 10:00:00 | 11 | 2 | 6 | 5 | 1 | 6.9 | 135.4 | 16.6 | 53.8 | 990.6 |
| 04/29/2022 | 10:00:00 - 10:15:00 | 11 | 2 | 5 | 5 | 0 | 6.0 | 129.7 | 17.6 | 51.5 | 990.7 |
| 04/29/2022 | 10:15:00 - 10:30:00 | 11 | 2 | 5 | 4 | 1 | 6.8 | 138.6 | 17.5 | 50.6 | 991.0 |
| 04/29/2022 | 10:30:00 - 10:45:00 | 11 | 2 | 5 | 5 | 1 | 5.9 | 138.8 | 17.5 | 50.8 | 991.1 |
| 04/29/2022 | 10:45:00 - 11:00:00 | 11 | 2 | 5 | 5 | 0 | 5.5 | 151.0 | 17.9 | 50.2 | 991.0 |
| 04/29/2022 | 11:00:00 - 11:15:00 | 11 | 2 | 5 | 5 | 1 | 4.9 | 148.1 | 19.2 | 47.9 | 990.8 |
| 04/29/2022 | 11:15:00 - 11:30:00 | 11 | 2 | 5 | 5 | 0 | 5.1 | 148.1 | 19.4 | 46.8 | 990.8 |
| 04/29/2022 | 11:30:00 - 11:45:00 | 12 | 2 | 5 | 5 | 0 | 3.9 | 144.6 | 20.1 | 45.7 | 990.6 |
| 04/29/2022 | 11:45:00 - 12:00:00 | 12 | 2 | 6 | 5 | 1 | 6.4 | 136.4 | 19.7 | 45.9 | 990.3 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 04/29/2022 | 12:00:00 - 12:15:00 | 12 | 2 | 5 | 5 | 0 | 5.6 | 136.4 | 19.8 | 45.9 | 990.4 |
| 04/29/2022 | 12:15:00 - 12:30:00 | 12 | 2 | 6 | 5 | 0 | 5.6 | 146.6 | 20.2 | 45.5 | 990.1 |
| 04/29/2022 | 12:30:00 - 12:45:00 | 12 | 2 | 6 | 6 | 0 | 4.9 | 140.1 | 20.0 | 46.2 | 989.8 |
| 04/29/2022 | 12:45:00 - 13:00:00 | 12 | 3 | 6 | 6 | 0 | 4.3 | 149.4 | 20.5 | 46.0 | 989.5 |
| 04/29/2022 | 13:00:00 - 13:15:00 | 12 | 3 | 6 | 6 | 0 | 5.0 | 136.4 | 20.7 | 45.6 | 989.3 |
| 04/29/2022 | 13:15:00 - 13:30:00 | 13 | 3 | 6 | 5 | 0 | 5.5 | 152.1 | 20.8 | 45.3 | 989.1 |
| 04/29/2022 | 13:30:00 - 13:45:00 | 13 | 3 | 6 | 6 | 1 | 3.7 | 156.8 | 20.8 | 45.7 | 989.1 |
| 04/29/2022 | 13:45:00 - 14:00:00 | 13 | 3 | 7 | 6 | 1 | 4.5 | 148.0 | 20.6 | 46.7 | 988.8 |
| 04/29/2022 | 14:00:00 - 14:15:00 | 13 | 3 | 6 | 6 | 1 | 5.2 | 134.1 | 20.4 | 47.3 | 988.6 |
| 04/29/2022 | 14:15:00 - 14:30:00 | 13 | 3 | 6 | 6 | 2 | 4.9 | 132.9 | 20.4 | 47.5 | 988.5 |
| 04/29/2022 | 14:30:00 - 14:45:00 | 13 | 3 | 6 | 6 | 2 | 5.5 | 126.6 | 20.2 | 48.3 | 988.3 |
| 04/29/2022 | 14:45:00 - 15:00:00 | 13 | 3 | 6 | 6 | 2 | 4.1 | 119.7 | 20.2 | 48.9 | 988.2 |
| 04/29/2022 | 15:00:00 - 15:15:00 | 13 | 3 | 7 | 6 | 193 | 4.6 | 127.9 | 20.1 | 49.0 | 988.0 |
| 04/29/2022 | 15:15:00 - 15:30:00 | 13 | 3 | 7 | 6 | 16 | 4.8 | 143.5 | 20.0 | 49.0 | 988.0 |
| 04/29/2022 | 15:30:00 - 15:45:00 | 13 | 3 | 7 | 6 | 2 | 4.6 | 135.0 | 20.1 | 49.2 | 987.9 |
| 04/29/2022 | 15:45:00 - 16:00:00 | 14 | 3 | 7 | 6 | 2 | 5.1 | 128.2 | 20.4 | 48.4 | 987.7 |
| 04/29/2022 | 16:00:00 - 16:15:00 | 14 | 4 | 7 | 6 | 2 | 3.6 | 132.1 | 20.3 | 49.1 | 987.6 |
| 04/29/2022 | 16:15:00 - 16:30:00 | 14 | 4 | 7 | 6 | 2 | 4.3 | 141.1 | 20.2 | 49.3 | 987.6 |
| 04/29/2022 | 16:30:00 - 16:45:00 | 14 | 4 | 7 | 6 | 2 | 4.0 | 129.9 | 20.3 | 49.2 | 987.4 |
| 04/29/2022 | 16:45:00 - 17:00:00 | 14 | 4 | 7 | 6 | 2 | 4.6 | 123.5 | 20.3 | 49.2 | 987.3 |
| 04/29/2022 | 17:00:00 - 17:15:00 | 14 | 4 | 7 | 7 | 2 | 4.6 | 131.9 | 20.4 | 48.9 | 987.1 |
| 04/29/2022 | 17:15:00 - 17:30:00 | 14 | 4 | 7 | 7 | 3 | 5.2 | 148.3 | 20.3 | 49.5 | 987.2 |
| 04/29/2022 | 17:30:00 - 17:45:00 | 15 | 4 | 8 | 7 | 3 | 4.7 | 146.9 | 19.4 | 55.0 | 987.3 |
| 04/29/2022 | 17:45:00 - 18:00:00 | 15 | 4 | 8 | 7 | 3 | 4.1 | 149.0 | 19.0 | 56.5 | 987.5 |
| 04/29/2022 | 18:00:00 - 18:15:00 | 15 | 4 | 8 | 7 | 3 | 5.4 | 147.2 | 19.1 | 56.7 | 987.5 |
| 04/29/2022 | 18:15:00 - 18:30:00 | 15 | 4 | 8 | 7 | 4 | 4.0 | 152.5 | 18.9 | 57.7 | 987.4 |
| 04/29/2022 | 18:30:00 - 18:45:00 | 15 | 4 | 8 | 7 | 4 | 4.2 | 145.8 | 18.7 | 58.5 | 987.3 |
| 04/29/2022 | 18:45:00 - 19:00:00 | 15 | 5 | 9 | 8 | 4 | 4.4 | 156.0 | 18.3 | 60.6 | 987.1 |
| 04/29/2022 | 19:00:00 - 19:15:00 | 16 | 5 | 9 | 8 | 5 | 4.5 | 151.2 | 17.7 | 63.2 | 986.6 |
| 04/29/2022 | 19:15:00 - 19:30:00 | 15 | 5 | 9 | 8 | 4 | 6.0 | 151.3 | 17.4 | 63.2 | 986.1 |
| 04/29/2022 | 19:30:00 - 19:45:00 | 15 | 5 | 8 | 8 | 4 | 7.0 | 145.5 | 17.0 | 65.0 | 985.6 |
| 04/29/2022 | 19:45:00 - 20:00:00 | 15 | 5 | 9 | 8 | 4 | 5.4 | 128.4 | 16.8 | 66.0 | 985.3 |
| 04/29/2022 | 20:00:00 - 20:15:00 | 15 | 5 | 9 | 8 | 5 | 6.2 | 117.5 | 16.8 | 65.9 | 985.2 |
| 04/29/2022 | 20:15:00 - 20:30:00 | 15 | 5 | 9 | 8 | 5 | 6.8 | 124.9 | 17.0 | 65.0 | 985.6 |
| 04/29/2022 | 20:30:00 - 20:45:00 | 15 | 5 | 9 | 8 | 5 | 5.2 | 130.7 | 16.9 | 65.8 | 986.4 |
| 04/29/2022 | 20:45:00 - 21:00:00 | 15 | 5 | 9 | 8 | 5 | 4.3 | 127.6 | 16.7 | 66.7 | 986.7 |
| 04/29/2022 | 21:00:00 - 21:15:00 | 15 | 5 | 9 | 8 | 5 | 4.8 | 144.3 | 16.6 | 67.0 | 987.1 |
| 04/29/2022 | 21:15:00 - 21:30:00 | 15 | 5 | 9 | 8 | 5 | 5.6 | 141.0 | 16.6 | 67.3 | 987.3 |
| 04/29/2022 | 21:30:00 - 21:45:00 | 15 | 5 | 9 | 8 | 4 | 5.3 | 136.3 | 16.5 | 68.1 | 987.2 |
| 04/29/2022 | 21:45:00 - 22:00:00 | 15 | 5 | 9 | 8 | 5 | 6.2 | 122.0 | 16.2 | 70.2 | 986.6 |
| 04/29/2022 | 22:00:00 - 22:15:00 | 15 | 5 | 9 | 8 | 5 | 7.2 | 118.3 | 16.1 | 72.4 | 986.2 |
| 04/29/2022 | 22:15:00 - 22:30:00 | 15 | 4 | 9 | 8 | 5 | 6.1 | 126.2 | 16.1 | 71.4 | 985.7 |
| 04/29/2022 | 22:30:00 - 22:45:00 | 15 | 4 | 8 | 7 | 5 | 6.9 | 128.6 | 16.3 | 69.5 | 985.4 |
| 04/29/2022 | 22:45:00 - 23:00:00 | 14 | 4 | 8 | 7 | 4 | 6.1 | 140.7 | 16.3 | 69.0 | 985.7 |
| 04/29/2022 | 23:00:00 - 23:15:00 | 14 | 4 | 8 | 7 | 4 | 4.4 | 136.9 | 16.3 | 69.0 | 986.4 |
| 04/29/2022 | 23:15:00 - 23:30:00 | 15 | 4 | 8 | 7 | 4 | 4.9 | 113.3 | 16.2 | 69.0 | 986.7 |
| 04/29/2022 | 23:30:00 - 23:45:00 | 15 | 4 | 9 | 8 | 5 | 6.3 | 102.4 | 15.9 | 70.4 | 986.5 |
| 04/30/2022 | 23:45:00 - 00:00:00 | 15 | 4 | 9 | 8 | 5 | 5.8 | 106.8 | 15.9 | 71.1 | 986.5 |
| 04/30/2022 | 00:00:00 - 00:15:00 | 15 | 5 | 9 | 8 | 5 | 6.5 | 108.8 | 16.0 | 70.2 | 986.3 |
| 04/30/2022 | 00:15:00 - 00:30:00 | 15 | 5 | 9 | 8 | 5 | 6.3 | 108.0 | 16.0 | 69.4 | 986.3 |
| 04/30/2022 | 00:30:00 - 00:45:00 | 15 | 5 | 9 | 8 | 5 | 6.0 | 111.9 | 15.9 | 69.5 | 986.2 |
| 04/30/2022 | 00:45:00 - 01:00:00 | 16 | 5 | 9 | 8 | 5 | 6.2 | 109.7 | 15.8 | 70.0 | 986.1 |
| 04/30/2022 | 01:00:00 - 01:15:00 | 16 | 5 | 9 | 8 | 5 | 5.0 | 109.7 | 15.7 | 69.9 | 986.0 |
| 04/30/2022 | 01:15:00 - 01:30:00 | 16 | 5 | 10 | 8 | 6 | 5.5 | 107.1 | 15.7 | 70.1 | 986.0 |
| 04/30/2022 | 01:30:00 - 01:45:00 | 16 | 6 | 10 | 9 | 6 | 5.6 | 113.1 | 15.9 | 69.1 | 985.9 |
| 04/30/2022 | 01:45:00 - 02:00:00 | 16 | 5 | 10 | 9 | 6 | 5.3 | 110.2 | 15.8 | 69.3 | 985.8 |
| 04/30/2022 | 02:00:00 - 02:15:00 | 16 | 6 | 10 | 9 | 6 | 5.2 | 109.1 | 15.6 | 70.0 | 985.5 |
| 04/30/2022 | 02:15:00 - 02:30:00 | 16 | 6 | 10 | 9 | 6 | 5.1 | 109.1 | 15.3 | 71.6 | 985.4 |
| 04/30/2022 | 02:30:00 - 02:45:00 | 16 | 6 | 10 | 9 | 6 | 4.5 | 117.4 | 15.0 | 72.4 | 985.2 |
| 04/30/2022 | 02:45:00 - 03:00:00 | 16 | 6 | 10 | 9 | 6 | 5.1 | 114.9 | 14.8 | 73.0 | 985.1 |
| 04/30/2022 | 03:00:00 - 03:15:00 | 16 | 5 | 9 | 8 | 5 | 5.8 | 116.1 | 14.7 | 73.0 | 985.0 |
| 04/30/2022 | 03:15:00 - 03:30:00 | 15 | 5 | 9 | 8 | 6 | 6.3 | 108.9 | 14.5 | 73.5 | 985.0 |
| 04/30/2022 | 03:30:00 - 03:45:00 | 15 | 5 | 9 | 8 | 6 | 6.1 | 113.5 | 14.3 | 74.8 | 984.9 |
| 04/30/2022 | 03:45:00 - 04:00:00 | 15 | 5 | 9 | 9 | 6 | 5.4 | 114.2 | 14.1 | 75.1 | 984.8 |
| 04/30/2022 | 04:00:00 - 04:15:00 | 16 | 5 | 9 | 8 | 6 | 5.9 | 113.9 | 14.1 | 75.1 | 984.6 |
| 04/30/2022 | 04:15:00 - 04:30:00 | 15 | 5 | 9 | 9 | 6 | 5.2 | 121.1 | 14.0 | 76.0 | 984.2 |
| 04/30/2022 | 04:30:00 - 04:45:00 | 16 | 5 | 9 | 9 | 6 | 4.6 | 130.7 | 14.2 | 75.3 | 984.1 |
| 04/30/2022 | 04:45:00 - 05:00:00 | 15 | 5 | 9 | 9 | 6 | 4.8 | 129.3 | 14.5 | 74.6 | 983.9 |
| 04/30/2022 | 05:00:00 - 05:15:00 | 16 | 5 | 10 | 9 | 6 | 5.2 | 124.4 | 14.5 | 75.0 | 984.0 |
| 04/30/2022 | 05:15:00 - 05:30:00 | 16 | 6 | 10 | 9 | 6 | 5.4 | 137.0 | 14.5 | 75.0 | 984.0 |
| 04/30/2022 | 05:30:00 - 05:45:00 | 16 | 6 | 10 | 9 | 6 | 6.0 | 140.7 | 14.6 | 75.0 | 984.3 |
| 04/30/2022 | 05:45:00 - 06:00:00 | 16 | 6 | 10 | 9 | 6 | 5.3 | 151.0 | 14.6 | 75.6 | 984.6 |
| 04/30/2022 | 06:00:00 - 06:15:00 | 16 | 6 | 10 | 9 | 6 | 6.1 | 147.8 | 14.8 | 75.7 | 984.7 |
| 04/30/2022 | 06:15:00 - 06:30:00 | 16 | 6 | 10 | 9 | 6 | 4.7 | 154.0 | 14.8 | 76.0 | 984.8 |
| 04/30/2022 | 06:30:00 - 06:45:00 | 16 | 6 | 10 | 9 | 6 | 6.3 | 142.3 | 14.8 | 76.8 | 984.8 |
| 04/30/2022 | 06:45:00 - 07:00:00 | 16 | 6 | 10 | 9 | 6 | 5.2 | 139.1 | 14.9 | 77.0 | 984.5 |
| 04/30/2022 | 07:00:00 - 07:15:00 | 16 | 6 | 10 | 9 | 6 | 5.3 | 146.3 | 15.0 | 77.0 | 984.4 |
| 04/30/2022 | 07:15:00 - 07:30:00 | 16 | 6 | 10 | 9 | 6 | 5.7 | 149.2 | 15.4 | 77.0 | 984.3 |
| 04/30/2022 | 07:30:00 - 07:45:00 | 16 | 6 | 10 | 9 | 6 | 4.3 | 154.4 | 15.8 | 76.1 | 984.4 |
| 04/30/2022 | 07:45:00 - 08:00:00 | 16 | 6 | 10 | 9 | 6 | 5.2 | 151.1 | 16.1 | 76.2 | 984.3 |
| 04/30/2022 | 08:00:00 - 08:15:00 | 16 | 6 | 10 | 9 | 6 | 5.3 | 146.8 | 16.6 | 75.6 | 984.0 |
| 04/30/2022 | 08:15:00 - 08:30:00 | 17 | 6 | 10 | 9 | 6 | 4.9 | 143.8 | 17.0 | 75.9 | 983.8 |
| 04/30/2022 | 08:30:00 - 08:45:00 | 17 | 7 | 10 | 10 | 6 | 4.4 | 152.5 | 17.5 | 76.0 | 983.6 |
| 04/30/2022 | 08:45:00 - 09:00:00 | 17 | 7 | 10 | 10 | 6 | 5.6 | 148.0 | 17.7 | 76.5 | 983.4 |
| 04/30/2022 | 09:00:00 - 09:15:00 | 18 | 8 | 11 | 11 | 7 | 5.3 | 143.4 | 17.3 | 80.6 | 983.4 |
| 04/30/2022 | 09:15:00 - 09:30:00 | 18 | 8 | 11 | 11 | 8 | 4.9 | 147.6 | 17.8 | 81.1 | 983.4 |
| 04/30/2022 | 09:30:00 - 09:45:00 | 19 | 8 | 12 | 11 | 8 | 4.7 | 151.5 | 17.9 | 82.4 | 983.5 |
| 04/30/2022 | 09:45:00 - 10:00:00 | 19 | 9 | 12 | 12 | 9 | 4.8 | 151.6 | 17.6 | 86.5 | 983.0 |
| 04/30/2022 | 10:00:00 - 10:15:00 | 20 | 9 | 13 | 13 | 9 | 4.4 | 150.6 | 18.0 | 87.6 | 982.8 |
| 04/30/2022 | 10:15:00 - 10:30:00 | 19 | 9 | 12 | 12 | 9 | 3.1 | 161.6 | 18.8 | 85.2 | 983.0 |
| 04/30/2022 | 10:30:00 - 10:45:00 | 19 | 9 | 12 | 12 | 9 | 4.5 | 152.0 | 18.9 | 84.5 | 982.8 |
| 04/30/2022 | 10:45:00 - 11:00:00 | 19 | 9 | 12 | 12 | 8 | 5.7 | 153.0 | 18.8 | 86.1 | 982.6 |
| 04/30/2022 | 11:00:00 - 11:15:00 | 19 | 9 | 12 | 12 | 8 | 7.4 | 148.8 | 19.3 | 84.0 | 982.0 |
| 04/30/2022 | 11:15:00 - 11:30:00 | 18 | 8 | 11 | 11 | 7 | 5.3 | 148.2 | 20.2 | 80.8 | 981.9 |
| 04/30/2022 | 11:30:00 - 11:45:00 | 18 | 8 | 11 | 11 | 7 | 5.3 | 151.8 | 21.4 | 76.9 | 981.6 |
| 04/30/2022 | 11:45:00 - 12:00:00 | 18 | 8 | 10 | 10 | 6 | 5.1 | 160.4 | 21.9 | 73.6 | 981.2 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 04/30/2022 | 12:00:00 - 12:15:00 | 17 | 7 | 9 | 9 | 6 | 4.3 | 171.1 | 22.7 | 70.6 | 981.1 |
| 04/30/2022 | 12:15:00 - 12:30:00 | 17 | 6 | 9 | 9 | 5 | 5.0 | 180.8 | 23.2 | 68.3 | 981.2 |
| 04/30/2022 | 12:30:00 - 12:45:00 | 17 | 6 | 9 | 9 | 5 | 5.1 | 178.8 | 23.5 | 66.4 | 981.0 |
| 04/30/2022 | 12:45:00 - 13:00:00 | 17 | 6 | 9 | 9 | 5 | 5.5 | 180.0 | 23.2 | 66.8 | 980.9 |
| 04/30/2022 | 13:00:00 - 13:15:00 | 18 | 7 | 10 | 10 | 6 | 5.8 | 185.8 | 22.6 | 67.9 | 980.8 |
| 04/30/2022 | 13:15:00 - 13:30:00 | 18 | 7 | 10 | 10 | 6 | 5.1 | 192.9 | 22.5 | 69.1 | 980.6 |
| 04/30/2022 | 13:30:00 - 13:45:00 | 17 | 6 | 9 | 9 | 5 | 5.4 | 192.7 | 22.7 | 67.1 | 980.4 |
| 04/30/2022 | 13:45:00 - 14:00:00 | 16 | 6 | 9 | 8 | 4 | 6.0 | 196.9 | 22.9 | 66.0 | 980.2 |
| 04/30/2022 | 14:00:00 - 14:15:00 | 17 | 6 | 9 | 9 | 5 | 5.2 | 180.9 | 23.0 | 66.8 | 980.2 |
| 04/30/2022 | 14:15:00 - 14:30:00 | 17 | 6 | 9 | 9 | 5 | 6.2 | 192.8 | 23.2 | 65.9 | 980.1 |
| 04/30/2022 | 14:30:00 - 14:45:00 | 17 | 6 | 9 | 9 | 5 | 4.4 | 185.7 | 23.2 | 66.6 | 980.0 |
| 04/30/2022 | 14:45:00 - 15:00:00 | 17 | 6 | 9 | 9 | 5 | 5.9 | 190.8 | 23.3 | 66.0 | 979.8 |
| 04/30/2022 | 15:00:00 - 15:15:00 | 17 | 6 | 9 | 9 | 5 | 5.8 | 187.8 | 23.3 | 65.2 | 979.6 |
| 04/30/2022 | 15:15:00 - 15:30:00 | 17 | 6 | 9 | 9 | 5 | 5.3 | 187.3 | 23.2 | 66.0 | 979.4 |
| 04/30/2022 | 15:30:00 - 15:45:00 | 17 | 6 | 9 | 8 | 4 | 6.2 | 190.5 | 23.7 | 64.7 | 979.3 |
| 04/30/2022 | 15:45:00 - 16:00:00 | 16 | 6 | 9 | 8 | 4 | 5.6 | 193.4 | 23.4 | 64.9 | 979.2 |
| 04/30/2022 | 16:00:00 - 16:15:00 | 16 | 5 | 8 | 8 | 4 | 5.6 | 185.3 | 23.4 | 64.1 | 979.0 |
| 04/30/2022 | 16:15:00 - 16:30:00 | 16 | 5 | 8 | 8 | 4 | 6.3 | 200.2 | 23.1 | 66.1 | 979.0 |
| 04/30/2022 | 16:30:00 - 16:45:00 | 17 | 6 | 9 | 8 | 4 | 5.4 | 194.2 | 23.1 | 66.6 | 978.9 |
| 04/30/2022 | 16:45:00 - 17:00:00 | 17 | 6 | 9 | 8 | 4 | 5.2 | 196.7 | 23.1 | 66.2 | 978.8 |
| 04/30/2022 | 17:00:00 - 17:15:00 | 17 | 6 | 9 | 8 | 4 | 4.7 | 190.7 | 23.4 | 65.1 | 978.8 |
| 04/30/2022 | 17:15:00 - 17:30:00 | 17 | 5 | 8 | 8 | 4 | 5.4 | 192.4 | 23.7 | 64.5 | 978.6 |
| 04/30/2022 | 17:30:00 - 17:45:00 | 16 | 5 | 8 | 8 | 4 | 4.9 | 192.1 | 24.2 | 63.1 | 978.4 |
| 04/30/2022 | 17:45:00 - 18:00:00 | 16 | 5 | 8 | 8 | 3 | 6.8 | 192.7 | 23.9 | 63.1 | 978.3 |
| 04/30/2022 | 18:00:00 - 18:15:00 | 16 | 5 | 8 | 8 | 4 | 6.1 | 190.5 | 23.4 | 64.6 | 978.1 |
| 04/30/2022 | 18:15:00 - 18:30:00 | 16 | 5 | 9 | 8 | 4 | 5.5 | 187.4 | 23.2 | 66.0 | 978.1 |
| 04/30/2022 | 18:30:00 - 18:45:00 | 17 | 5 | 8 | 8 | 4 | 4.8 | 188.0 | 22.9 | 66.1 | 978.0 |
| 04/30/2022 | 18:45:00 - 19:00:00 | 17 | 5 | 8 | 8 | 4 | 4.3 | 190.3 | 22.5 | 67.0 | 978.3 |
| 04/30/2022 | 19:00:00 - 19:15:00 | 16 | 5 | 8 | 8 | 3 | 3.9 | 188.3 | 22.2 | 68.0 | 978.4 |
| 04/30/2022 | 19:15:00 - 19:30:00 | 16 | 5 | 8 | 8 | 3 | 4.8 | 191.7 | 22.0 | 69.0 | 978.6 |
| 04/30/2022 | 19:30:00 - 19:45:00 | 16 | 5 | 8 | 7 | 3 | 4.2 | 192.3 | 21.8 | 69.0 | 979.1 |
| 04/30/2022 | 19:45:00 - 20:00:00 | 15 | 4 | 8 | 7 | 2 | 6.4 | 203.4 | 21.5 | 68.6 | 979.4 |
| 04/30/2022 | 20:00:00 - 20:15:00 | 14 | 3 | 7 | 6 | 0 | 7.9 | 211.0 | 14.4 | 89.8 | 979.9 |
| 04/30/2022 | 20:15:00 - 20:30:00 | 14 | 3 | 7 | 6 | 1 | 6.0 | 216.6 | 13.8 | 94.1 | 980.2 |
| 04/30/2022 | 20:30:00 - 20:45:00 | 13 | 3 | 7 | 6 | 1 | 4.5 | 224.0 | 14.1 | 96.6 | 980.5 |
| 04/30/2022 | 20:45:00 - 21:00:00 | 13 | 3 | 7 | 6 | 1 | 5.6 | 231.8 | 14.8 | 98.6 | 980.7 |
| 04/30/2022 | 21:00:00 - 21:15:00 | 12 | 2 | 6 | 5 | 0 | 5.0 | 205.1 | 14.8 | 99.4 | 980.4 |
| 04/30/2022 | 21:15:00 - 21:30:00 | 14 | 3 | 7 | 6 | 2 | 3.2 | 215.6 | 15.5 | 100.0 | 980.2 |
| 04/30/2022 | 21:30:00 - 21:45:00 | 15 | 4 | 8 | 7 | 3 | 2.0 | 242.6 | 15.9 | 100.0 | 980.3 |
| 04/30/2022 | 21:45:00 - 22:00:00 | 14 | 3 | 7 | 7 | 2 | 5.1 | 269.0 | 15.9 | 99.3 | 980.8 |
| 04/30/2022 | 22:00:00 - 22:15:00 | 11 | 1 | 6 | 4 | 0 | 2.4 | 250.6 | 15.3 | 98.0 | 981.0 |
| 04/30/2022 | 22:15:00 - 22:30:00 | 12 | 2 | 6 | 5 | 0 | 2.6 | 264.0 | 15.5 | 97.1 | 981.2 |
| 04/30/2022 | 22:30:00 - 22:45:00 | 12 | 2 | 6 | 6 | 1 | 2.8 | 263.2 | 15.5 | 94.7 | 981.3 |
| 04/30/2022 | 22:45:00 - 23:00:00 | 11 | 1 | 6 | 5 | 0 | 4.1 | 266.7 | 15.5 | 91.3 | 981.5 |
| 04/30/2022 | 23:00:00 - 23:15:00 | 9 | 0 | 4 | 3 | 0 | 4.1 | 265.8 | 15.4 | 85.2 | 981.4 |
| 04/30/2022 | 23:15:00 - 23:30:00 | 9 | 0 | 4 | 2 | 0 | 3.9 | 262.2 | 15.1 | 83.2 | 981.4 |
| 04/30/2022 | 23:30:00 - 23:45:00 | 8 | 0 | 4 | 2 | 0 | 5.5 | 268.4 | 15.2 | 79.9 | 981.2 |
| 05/01/2022 | 23:45:00 - 00:00:00 | 8 | 0 | 4 | 2 | 0 | 5.0 | 259.7 | 15.2 | 76.8 | 981.2 |
| 05/01/2022 | 00:00:00 - 00:15:00 | 8 | 0 | 4 | 2 | 0 | 4.4 | 259.3 | 14.9 | 76.6 | 981.4 |
| 05/01/2022 | 00:15:00 - 00:30:00 | 8 | 0 | 4 | 2 | 0 | 3.0 | 253.9 | 14.5 | 77.8 | 981.4 |
| 05/01/2022 | 00:30:00 - 00:45:00 | 8 | 0 | 4 | 2 | 0 | 2.1 | 233.3 | 14.2 | 78.1 | 981.6 |
| 05/01/2022 | 00:45:00 - 01:00:00 | 8 | 0 | 4 | 2 | 0 | 2.1 | 241.8 | 14.0 | 78.1 | 981.6 |
| 05/01/2022 | 01:00:00 - 01:15:00 | 8 | 0 | 4 | 2 | 0 | 1.4 | 231.2 | 13.8 | 78.9 | 981.8 |
| 05/01/2022 | 01:15:00 - 01:30:00 | 8 | 0 | 4 | 2 | 0 | 1.7 | 261.2 | 13.4 | 81.4 | 981.8 |
| 05/01/2022 | 01:30:00 - 01:45:00 | 8 | 0 | 4 | 2 | 0 | 1.1 | 232.9 | 12.9 | 83.6 | 982.0 |
| 05/01/2022 | 01:45:00 - 02:00:00 | 8 | 0 | 4 | 2 | 0 | 3.0 | 241.1 | 13.0 | 81.5 | 982.0 |
| 05/01/2022 | 02:00:00 - 02:15:00 | 8 | 0 | 4 | 2 | 0 | 3.7 | 245.6 | 13.0 | 77.2 | 981.9 |
| 05/01/2022 | 02:15:00 - 02:30:00 | 9 | 0 | 4 | 2 | 0 | 4.2 | 248.0 | 12.7 | 74.5 | 982.0 |
| 05/01/2022 | 02:30:00 - 02:45:00 | 9 | 0 | 4 | 2 | 0 | 4.2 | 255.9 | 12.4 | 73.8 | 982.0 |
| 05/01/2022 | 02:45:00 - 03:00:00 | 9 | 0 | 4 | 2 | 0 | 4.3 | 252.6 | 12.3 | 73.5 | 982.0 |
| 05/01/2022 | 03:00:00 - 03:15:00 | 9 | 0 | 4 | 2 | 0 | 2.8 | 247.3 | 12.1 | 74.5 | 982.0 |
| 05/01/2022 | 03:15:00 - 03:30:00 | 9 | 0 | 4 | 2 | 0 | 2.7 | 243.0 | 12.0 | 74.8 | 982.0 |
| 05/01/2022 | 03:30:00 - 03:45:00 | 9 | 0 | 5 | 2 | 0 | 2.7 | 236.9 | 12.1 | 75.0 | 982.1 |
| 05/01/2022 | 03:45:00 - 04:00:00 | 9 | 0 | 4 | 2 | 0 | 3.3 | 246.6 | 12.2 | 73.8 | 982.1 |
| 05/01/2022 | 04:00:00 - 04:15:00 | 9 | 0 | 5 | 3 | 0 | 3.7 | 226.8 | 12.2 | 73.4 | 982.0 |
| 05/01/2022 | 04:15:00 - 04:30:00 | 9 | 0 | 5 | 3 | 0 | 2.9 | 234.2 | 12.0 | 75.0 | 981.9 |
| 05/01/2022 | 04:30:00 - 04:45:00 | 9 | 0 | 5 | 3 | 0 | 3.1 | 250.2 | 12.0 | 75.2 | 982.0 |
| 05/01/2022 | 04:45:00 - 05:00:00 | 9 | 0 | 4 | 2 | 0 | 1.9 | 238.1 | 11.8 | 76.1 | 982.0 |
| 05/01/2022 | 05:00:00 - 05:15:00 | 9 | 0 | 4 | 2 | 0 | 2.3 | 207.7 | 11.9 | 75.3 | 982.0 |
| 05/01/2022 | 05:15:00 - 05:30:00 | 9 | 0 | 4 | 2 | 0 | 2.4 | 205.4 | 11.6 | 76.9 | 982.1 |
| 05/01/2022 | 05:30:00 - 05:45:00 | 9 | 0 | 5 | 2 | 0 | 2.2 | 208.8 | 11.2 | 78.5 | 982.3 |
| 05/01/2022 | 05:45:00 - 06:00:00 | 9 | 0 | 5 | 3 | 0 | 2.8 | 208.3 | 11.1 | 79.5 | 982.5 |
| 05/01/2022 | 06:00:00 - 06:15:00 | 9 | 0 | 5 | 3 | 0 | 2.4 | 205.3 | 11.1 | 80.5 | 982.8 |
| 05/01/2022 | 06:15:00 - 06:30:00 | 9 | 0 | 5 | 3 | 0 | 2.5 | 197.7 | 11.3 | 81.9 | 982.9 |
| 05/01/2022 | 06:30:00 - 06:45:00 | 9 | 0 | 5 | 3 | 0 | 2.7 | 199.6 | 11.3 | 82.4 | 983.1 |
| 05/01/2022 | 06:45:00 - 07:00:00 | 9 | 0 | 5 | 3 | 0 | 3.1 | 198.7 | 11.4 | 82.4 | 983.2 |
| 05/01/2022 | 07:00:00 - 07:15:00 | 9 | 0 | 5 | 3 | 0 | 4.0 | 208.0 | 11.5 | 81.5 | 983.5 |
| 05/01/2022 | 07:15:00 - 07:30:00 | 9 | 0 | 5 | 3 | 0 | 3.3 | 221.1 | 11.5 | 80.3 | 983.6 |
| 05/01/2022 | 07:30:00 - 07:45:00 | 9 | 0 | 4 | 2 | 0 | 2.6 | 218.5 | 11.7 | 76.9 | 983.7 |
| 05/01/2022 | 07:45:00 - 08:00:00 | 9 | 0 | 4 | 2 | 0 | 2.8 | 212.6 | 11.9 | 75.3 | 983.7 |
| 05/01/2022 | 08:00:00 - 08:15:00 | 8 | 0 | 4 | 2 | 0 | 3.3 | 214.1 | 12.0 | 75.3 | 983.9 |
| 05/01/2022 | 08:15:00 - 08:30:00 | 8 | 0 | 4 | 2 | 0 | 3.6 | 228.5 | 12.1 | 75.4 | 984.0 |
| 05/01/2022 | 08:30:00 - 08:45:00 | 8 | 0 | 4 | 2 | 0 | 3.6 | 230.9 | 12.4 | 74.7 | 984.1 |
| 05/01/2022 | 08:45:00 - 09:00:00 | 8 | 0 | 4 | 2 | 0 | 3.5 | 246.1 | 12.7 | 74.3 | 984.3 |
| 05/01/2022 | 09:00:00 - 09:15:00 | 9 | 0 | 4 | 2 | -1 | 4.5 | 231.0 | 12.8 | 72.0 | 984.4 |
| 05/01/2022 | 09:15:00 - 09:30:00 | 9 | 0 | 4 | 2 | -1 | 4.0 | 220.6 | 12.5 | 72.3 | 984.5 |
| 05/01/2022 | 09:30:00 - 09:45:00 | 9 | 0 | 4 | 2 | 0 | 5.1 | 214.3 | 12.3 | 73.2 | 984.6 |
| 05/01/2022 | 09:45:00 - 10:00:00 | 9 | Offline | 4 | 2 | 0 | 3.9 | 241.4 | 12.3 | 74.3 | 984.6 |
| 05/01/2022 | 10:00:00 - 10:15:00 | 8 | 0 | 4 | 2 | -1 | 5.5 | 265.6 | 12.2 | 72.5 | 984.7 |
| 05/01/2022 | 10:15:00 - 10:30:00 | 8 | 0 | 4 | 1 | -1 | 4.5 | 257.7 | 12.3 | 71.7 | 984.9 |
| 05/01/2022 | 10:30:00 - 10:45:00 | 8 | 0 | 4 | 1 | -1 | 5.6 | 259.5 | 12.2 | 71.2 | 984.9 |
| 05/01/2022 | 10:45:00 - 11:00:00 | 8 | 0 | 4 | 1 | -1 | 5.2 | 257.9 | 12.3 | 71.4 | 985.0 |
| 05/01/2022 | 11:00:00 - 11:15:00 | 8 | 0 | 4 | 10 | -1 | 6.1 | 262.1 | 12.0 | 72.0 | 985.2 |
| 05/01/2022 | 11:15:00 - 11:30:00 | 8 | 0 | 4 | 5 | -1 | 4.0 | 255.5 | 11.7 | 73.1 | 985.3 |
| 05/01/2022 | 11:30:00 - 11:45:00 | 8 | 0 | 4 | 1 | -1 | 4.5 | 244.2 | 11.8 | 71.5 | 985.5 |
| 05/01/2022 | 11:45:00 - 12:00:00 | 8 | 0 | 4 | 1 | -1 | 4.5 | 252.5 | 12.2 | 70.5 | 985.5 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | 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 [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 05/01/2022 | 12:00:00 - 12:15:00 | 8 | 0 | 4 | 1 | -1 | 5.1 | 250.6 | 12.4 | 68.7 | 985.5 |
| 05/01/2022 | 12:15:00 - 12:30:00 | 8 | 0 | 4 | 1 | -1 | 7.1 | 261.1 | 12.3 | 68.4 | 985.6 |
| 05/01/2022 | 12:30:00 - 12:45:00 | 8 | 0 | 4 | 4 | -1 | 6.2 | 244.9 | 12.3 | 68.7 | 985.7 |
| 05/01/2022 | 12:45:00 - 13:00:00 | 8 | 0 | 4 | 7 | -1 | 5.8 | 257.0 | 12.4 | 68.8 | 985.7 |
| 05/01/2022 | 13:00:00 - 13:15:00 | 9 | 0 | 4 | 2 | -1 | 5.0 | 254.6 | 12.4 | 69.7 | 985.8 |
| 05/01/2022 | 13:15:00 - 13:30:00 | 9 | 0 | 4 | 4 | 0 | 5.7 | 259.8 | 12.4 | 69.9 | 986.0 |
| 05/01/2022 | 13:30:00 - 13:45:00 | 9 | 1 | 5 | 10 | 0 | 6.7 | 261.2 | 12.3 | 70.2 | 986.2 |
| 05/01/2022 | 13:45:00 - 14:00:00 | 9 | 0 | 4 | 6 | 0 | 6.3 | 259.1 | 12.6 | 69.2 | 986.2 |
| 05/01/2022 | 14:00:00 - 14:15:00 | 9 | 0 | 4 | 5 | 0 | 7.5 | 264.1 | 12.7 | 67.9 | 986.3 |
| 05/01/2022 | 14:15:00 - 14:30:00 | 9 | 1 | 4 | 13 | -1 | 6.9 | 255.9 | 12.7 | 67.7 | 986.4 |
| 05/01/2022 | 14:30:00 - 14:45:00 | 9 | 1 | 4 | 7 | 0 | 6.7 | 262.9 | 12.6 | 68.6 | 986.5 |
| 05/01/2022 | 14:45:00 - 15:00:00 | 8 | 0 | 4 | 5 | -1 | 6.1 | 269.4 | 12.5 | 69.2 | 986.8 |
| 05/01/2022 | 15:00:00 - 15:15:00 | 8 | 0 | 4 | 2 | -1 | 6.0 | 267.3 | 12.9 | 68.0 | 986.8 |
| 05/01/2022 | 15:15:00 - 15:30:00 | 8 | 0 | 4 | 1 | -1 | 6.9 | 266.9 | 13.0 | 65.7 | 986.8 |
| 05/01/2022 | 15:30:00 - 15:45:00 | 8 | 0 | 4 | 1 | -1 | 6.6 | 264.5 | 13.3 | 65.4 | 986.8 |
| 05/01/2022 | 15:45:00 - 16:00:00 | 8 | 0 | 4 | 1 | -1 | 6.7 | 270.3 | 13.1 | 65.6 | 986.9 |
| 05/01/2022 | 16:00:00 - 16:15:00 | 8 | 0 | 4 | 1 | -1 | 5.3 | 260.9 | 13.3 | 66.1 | 986.8 |
| 05/01/2022 | 16:15:00 - 16:30:00 | 8 | 0 | 4 | 1 | -1 | 7.6 | 267.1 | 13.6 | 63.0 | 986.8 |
| 05/01/2022 | 16:30:00 - 16:45:00 | 8 | 0 | 4 | 1 | -2 | 7.8 | 269.1 | 13.5 | 62.5 | 986.9 |
| 05/01/2022 | 16:45:00 - 17:00:00 | 8 | 0 | 4 | 1 | -2 | 6.0 | 277.2 | 13.4 | 63.5 | 987.1 |
| 05/01/2022 | 17:00:00 - 17:15:00 | 8 | 0 | 4 | 1 | -2 | 5.9 | 275.1 | 13.2 | 63.7 | 987.3 |
| 05/01/2022 | 17:15:00 - 17:30:00 | 8 | 0 | 3 | 1 | -1 | 4.7 | 285.1 | 13.2 | 64.9 | 987.5 |
| 05/01/2022 | 17:30:00 - 17:45:00 | 8 | 0 | 4 | 1 | -1 | 4.8 | 277.4 | 13.2 | 65.3 | 987.6 |
| 05/01/2022 | 17:45:00 - 18:00:00 | 8 | 0 | 4 | 2 | -1 | 4.1 | 284.6 | 13.2 | 66.0 | 987.7 |
| 05/01/2022 | 18:00:00 - 18:15:00 | 8 | 0 | 4 | 1 | -1 | 4.1 | 288.6 | 13.1 | 66.4 | 987.9 |
| 05/01/2022 | 18:15:00 - 18:30:00 | 8 | 0 | 4 | 2 | -1 | 3.6 | 288.9 | 13.0 | 67.2 | 988.0 |
| 05/01/2022 | 18:30:00 - 18:45:00 | 8 | 0 | 4 | 2 | -1 | 3.8 | 274.5 | 13.0 | 67.8 | 988.2 |
| 05/01/2022 | 18:45:00 - 19:00:00 | 8 | 0 | 4 | 2 | 0 | 3.3 | 281.6 | 12.9 | 68.0 | 988.3 |
| 05/01/2022 | 19:00:00 - 19:15:00 | 8 | 0 | 4 | 2 | 0 | 2.7 | 274.2 | 12.8 | 68.7 | 988.5 |
| 05/01/2022 | 19:15:00 - 19:30:00 | 8 | 0 | 4 | 2 | 0 | 3.5 | 280.8 | 12.8 | 69.2 | 988.7 |
| 05/01/2022 | 19:30:00 - 19:45:00 | 8 | 0 | 4 | 2 | 0 | 4.1 | 283.6 | 12.6 | 70.0 | 988.9 |
| 05/01/2022 | 19:45:00 - 20:00:00 | 8 | 0 | 4 | 2 | 0 | 3.3 | 291.5 | 12.5 | 70.2 | 988.9 |
| 05/01/2022 | 20:00:00 - 20:15:00 | 8 | 0 | 4 | 3 | 0 | 3.1 | 277.8 | 12.4 | 71.5 | 989.0 |
| 05/01/2022 | 20:15:00 - 20:30:00 | 9 | 0 | 4 | 2 | 0 | 3.0 | 293.1 | 12.3 | 72.4 | 989.1 |
| 05/01/2022 | 20:30:00 - 20:45:00 | 8 | 0 | 4 | 2 | 0 | 3.3 | 291.4 | 12.1 | 73.0 | 989.1 |
| 05/01/2022 | 20:45:00 - 21:00:00 | 8 | 0 | 4 | 2 | 0 | 2.6 | 276.8 | 12.0 | 72.9 | 989.2 |
| 05/01/2022 | 21:00:00 - 21:15:00 | 8 | 0 | 4 | 2 | 0 | 2.3 | 291.4 | 11.9 | 73.0 | 989.4 |
| 05/01/2022 | 21:15:00 - 21:30:00 | 9 | 0 | 5 | 2 | 0 | 1.9 | 285.4 | 11.5 | 74.4 | 989.5 |
| 05/01/2022 | 21:30:00 - 21:45:00 | 9 | 0 | 5 | 3 | 0 | 1.8 | 288.3 | 11.1 | 75.7 | 989.6 |
| 05/01/2022 | 21:45:00 - 22:00:00 | 9 | 0 | 5 | 3 | 0 | 1.8 | 275.3 | 11.0 | 76.8 | 989.7 |
| 05/01/2022 | 22:00:00 - 22:15:00 | 9 | 0 | 5 | 3 | 0 | 1.8 | 275.3 | 10.8 | 77.0 | 989.7 |
| 05/01/2022 | 22:15:00 - 22:30:00 | 9 | 0 | 5 | 3 | 0 | 2.1 | 271.1 | 10.7 | 77.0 | 989.7 |
| 05/01/2022 | 22:30:00 - 22:45:00 | 9 | 0 | 5 | 3 | 0 | 1.7 | 271.4 | 10.5 | 77.2 | 989.6 |
| 05/01/2022 | 22:45:00 - 23:00:00 | 8 | 0 | 5 | 2 | 0 | 1.7 | 261.7 | 10.2 | 78.0 | 989.7 |
| 05/01/2022 | 23:00:00 - 23:15:00 | 10 | 0 | 6 | 3 | 0 | 1.1 | 237.2 | 9.9 | 78.9 | 989.8 |
| 05/01/2022 | 23:15:00 - 23:30:00 | 9 | 0 | 5 | 3 | 0 | 1.1 | 248.8 | 9.3 | 81.3 | 989.7 |
| 05/01/2022 | 23:30:00 - 23:45:00 | 9 | 1 | 5 | 3 | 0 | 1.6 | 254.2 | 9.3 | 81.6 | 989.7 |
| 05/02/2022 | 23:45:00 - 00:00:00 | 9 | 0 | 5 | 3 | 0 | 2.0 | 261.1 | 9.6 | 80.0 | 989.6 |
| 05/02/2022 | 00:00:00 - 00:15:00 | 8 | 0 | 5 | 3 | 0 | 2.3 | 256.0 | 9.6 | 80.0 | 989.7 |
| 05/02/2022 | 00:15:00 - 00:30:00 | 8 | 0 | 5 | 3 | 0 | 2.0 | 251.4 | 9.5 | 80.0 | 989.8 |
| 05/02/2022 | 00:30:00 - 00:45:00 | 8 | 0 | 5 | 3 | 0 | 2.3 | 263.1 | 9.3 | 80.1 | 989.8 |
| 05/02/2022 | 00:45:00 - 01:00:00 | 8 | 0 | 5 | 3 | 0 | 2.5 | 261.1 | 9.2 | 80.4 | 989.9 |
| 05/02/2022 | 01:00:00 - 01:15:00 | 8 | 0 | 5 | 3 | 0 | 1.5 | 245.9 | 8.9 | 81.5 | 989.9 |
| 05/02/2022 | 01:15:00 - 01:30:00 | 9 | 1 | 5 | 3 | 0 | 2.4 | 261.2 | 8.5 | 83.6 | 990.0 |
| 05/02/2022 | 01:30:00 - 01:45:00 | 9 | 1 | 5 | 3 | 0 | 3.4 | 262.5 | 8.5 | 84.0 | 990.1 |
| 05/02/2022 | 01:45:00 - 02:00:00 | 9 | 0 | 5 | 3 | 0 | 3.0 | 265.2 | 8.5 | 83.3 | 990.3 |
| 05/02/2022 | 02:00:00 - 02:15:00 | 9 | 0 | 5 | 3 | 0 | 2.9 | 265.1 | 8.4 | 83.0 | 990.4 |
| 05/02/2022 | 02:15:00 - 02:30:00 | 9 | 0 | 5 | 3 | 0 | 3.6 | 264.4 | 8.3 | 83.1 | 990.6 |
| 05/02/2022 | 02:30:00 - 02:45:00 | 9 | 0 | 5 | 3 | 0 | 3.1 | 262.0 | 8.3 | 82.9 | 990.6 |
| 05/02/2022 | 02:45:00 - 03:00:00 | 9 | 1 | 5 | 3 | 0 | 2.8 | 261.1 | 8.1 | 83.0 | 990.5 |
| 05/02/2022 | 03:00:00 - 03:15:00 | 9 | 1 | 5 | 3 | 0 | 2.7 | 258.4 | 8.0 | 83.0 | 990.5 |
| 05/02/2022 | 03:15:00 - 03:30:00 | 9 | 1 | 5 | 3 | 0 | 1.5 | 241.1 | 7.6 | 84.2 | 990.7 |
| 05/02/2022 | 03:30:00 - 03:45:00 | 9 | 1 | 5 | 3 | 0 | 1.2 | 251.9 | 7.1 | 86.3 | 990.9 |
| 05/02/2022 | 03:45:00 - 04:00:00 | 9 | 1 | 5 | 3 | 0 | 1.9 | 261.2 | 6.9 | 87.8 | 991.2 |
| 05/02/2022 | 04:00:00 - 04:15:00 | 9 | 1 | 5 | 3 | 0 | 1.3 | 253.9 | 6.7 | 87.8 | 991.2 |
| 05/02/2022 | 04:15:00 - 04:30:00 | 9 | 1 | 6 | 3 | 0 | 1.2 | 270.5 | 6.4 | 88.8 | 991.3 |
| 05/02/2022 | 04:30:00 - 04:45:00 | 9 | 1 | 6 | 4 | 1 | 1.4 | 266.2 | 6.4 | 89.0 | 991.3 |
| 05/02/2022 | 04:45:00 - 05:00:00 | 9 | 1 | 6 | 4 | 1 | 1.2 | 274.9 | 6.2 | 89.0 | 991.2 |
| 05/02/2022 | 05:00:00 - 05:15:00 | 9 | 2 | 6 | 4 | 1 | 1.8 | 258.8 | 6.0 | 89.9 | 990.9 |
| 05/02/2022 | 05:15:00 - 05:30:00 | 9 | 2 | 6 | 4 | 1 | 1.9 | 262.4 | 6.0 | 90.1 | 990.9 |
| 05/02/2022 | 05:30:00 - 05:45:00 | 9 | 2 | 6 | 4 | 1 | 1.7 | 261.0 | 6.0 | 89.9 | 990.8 |
| 05/02/2022 | 05:45:00 - 06:00:00 | 9 | 2 | 6 | 4 | 1 | 1.3 | 253.8 | 5.7 | 90.3 | 990.9 |
| 05/02/2022 | 06:00:00 - 06:15:00 | 9 | 2 | 6 | 4 | 1 | 1.6 | 224.9 | 5.9 | 90.8 | 991.3 |
| 05/02/2022 | 06:15:00 - 06:30:00 | 9 | 2 | 6 | 4 | 1 | 1.7 | 263.4 | 6.5 | 88.9 | 991.6 |
| 05/02/2022 | 06:30:00 - 06:45:00 | 9 | 2 | 6 | 4 | 1 | 1.5 | 256.5 | 7.3 | 86.0 | 991.8 |
| 05/02/2022 | 06:45:00 - 07:00:00 | 9 | 1 | 6 | 4 | 1 | 2.5 | 261.2 | 7.7 | 83.3 | 992.1 |
| 05/02/2022 | 07:00:00 - 07:15:00 | 9 | 1 | 6 | 4 | 1 | 2.4 | 244.0 | 8.0 | 82.4 | 992.3 |
| 05/02/2022 | 07:15:00 - 07:30:00 | 9 | 1 | 5 | 3 | 0 | 3.3 | 265.8 | 8.5 | 80.9 | 992.3 |
| 05/02/2022 | 07:30:00 - 07:45:00 | 9 | 0 | 5 | 3 | 0 | 4.3 | 272.7 | 8.9 | 79.5 | 992.6 |
| 05/02/2022 | 07:45:00 - 08:00:00 | 9 | 0 | 5 | 3 | 0 | 4.1 | 288.7 | 9.2 | 78.7 | 992.7 |
| 05/02/2022 | 08:00:00 - 08:15:00 | 9 | 0 | 5 | 3 | 0 | 4.6 | 292.3 | 9.5 | 78.8 | 992.8 |
| 05/02/2022 | 08:15:00 - 08:30:00 | 9 | 0 | 5 | 3 | 0 | 4.1 | 289.9 | 10.1 | 77.7 | 993.0 |
| 05/02/2022 | 08:30:00 - 08:45:00 | 9 | 0 | 5 | 2 | 0 | 3.3 | 305.9 | 10.5 | 75.7 | 993.0 |
| 05/02/2022 | 08:45:00 - 09:00:00 | 9 | 0 | 5 | 2 | 0 | 3.6 | 312.7 | 10.8 | 73.8 | 992.9 |
| 05/02/2022 | 09:00:00 - 09:15:00 | 10 | 0 | 6 | 2 | 0 | 3.6 | 313.9 | 11.1 | 72.5 | 992.8 |
| 05/02/2022 | 09:15:00 - 09:30:00 | 10 | 1 | 5 | 2 | 0 | 2.6 | 296.9 | 11.8 | 70.0 | 992.8 |
| 05/02/2022 | 09:30:00 - 09:45:00 | 9 | 0 | 5 | 2 | 0 | 1.9 | 270.9 | 11.7 | 68.6 | 992.8 |
| 05/02/2022 | 09:45:00 - 10:00:00 | 11 | 0 | 5 | 2 | 0 | 1.8 | 260.1 | 12.2 | 67.8 | 992.6 |
| 05/02/2022 | 10:00:00 - 10:15:00 | 11 | 0 | 5 | 2 | 0 | 3.0 | 331.1 | 12.4 | 67.9 | 992.5 |
| 05/02/2022 | 10:15:00 - 10:30:00 | 10 | 0 | 5 | 2 | 0 | 2.3 | 290.9 | 12.7 | 67.5 | 992.7 |
| 05/02/2022 | 10:30:00 - 10:45:00 | 10 | 0 | 5 | 2 | 0 | 2.6 | 292.3 | 13.1 | 65.7 | 992.7 |
| 05/02/2022 | 10:45:00 - 11:00:00 | 11 | 0 | 5 | 2 | 0 | 3.3 | 298.4 | 13.2 | 64.9 | 992.6 |
| 05/02/2022 | 11:00:00 - 11:15:00 | 10 | 0 | 4 | 2 | 0 | 1.7 | 300.5 | 13.6 | 63.6 | 992.4 |
| 05/02/2022 | 11:15:00 - 11:30:00 | 10 | 0 | 4 | 2 | 0 | 1.7 | 299.5 | 13.7 | 64.0 | 992.5 |
| 05/02/2022 | 11:30:00 - 11:45:00 | 10 | 0 | 4 | 2 | 0 | 2.4 | 337.3 | 14.1 | 63.5 | 992.1 |
| 05/02/2022 | 11:45:00 - 12:00:00 | 10 | 1 | 4 | 2 | 0 | 1.7 | 248.4 | 14.5 | 61.7 | 992.0 |

# Appendix B Real-Time PM10 and Meteorological Monitoring Data

| | | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Timestamp | Average Concentration [µg/m$^3$] | Average Concentration [µg/m$^3$] | Average Concentration [µg/m$^3$] | Average Concentration [µg/m$^3$] | Average Concentration [µg/m$^3$] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°celcius] | Relative Humidity (%) | Pressure (mb) |
| 05/02/2022 | 12:00:00 - 12:15:00 | 10 | 1 | 4 | 2 | 0 | 1.5 | 354.0 | 14.5 | 61.2 | 991.9 |
| 05/02/2022 | 12:15:00 - 12:30:00 | 10 | 0 | 4 | 2 | 0 | 1.7 | 284.7 | 14.7 | 59.7 | 991.6 |
| 05/02/2022 | 12:30:00 - 12:45:00 | 11 | 0 | 4 | 2 | 0 | 1.0 | 262.5 | 15.5 | 57.9 | 991.8 |

# APPENDIX C TIME-AVERAGED VOLATILE ORGANIC COMPOUND DATA(METHOD 325A/B)

TIME-AVERAGED VOLATILE ORGANIC COMPOUND DATA (METHOD 325A/B)

| Sample | | Units | Results | Data Flags | Compound Name |
|---|---|---|---|---|---|
| Location | End Date | | | | |
| SAM2 | 2021-12-15 | µg/m$^3$ | ND | U | Styrene |
| SAM2 | 2021-12-15 | µg/m$^3$ | 0.62 | | Benzene |
| SAM2 | 2021-12-15 | µg/m$^3$ | 0.52 | J | Toluene |
| SAM2 | 2021-12-15 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM2 | 2021-12-15 | µg/m$^3$ | ND | U | m,p-Xylene |
| SAM2 | 2021-12-15 | µg/m$^3$ | ND | U | o-Xylene |
| SAM4 | 2021-12-15 | µg/m$^3$ | ND | U | Styrene |
| SAM4 | 2021-12-15 | µg/m$^3$ | 0.62 | | Benzene |
| SAM4 | 2021-12-15 | µg/m$^3$ | 0.6 | | Toluene |
| SAM4 | 2021-12-15 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM4 | 2021-12-15 | µg/m$^3$ | ND | U | m,p-Xylene |
| SAM4 | 2021-12-15 | µg/m$^3$ | ND | U | o-Xylene |
| SAM5 | 2021-12-15 | µg/m$^3$ | ND | U | Styrene |
| SAM5 | 2021-12-15 | µg/m$^3$ | 0.77 | | Benzene |
| SAM5 | 2021-12-15 | µg/m$^3$ | 0.66 | | Toluene |
| SAM5 | 2021-12-15 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM5 | 2021-12-15 | µg/m$^3$ | ND | U | m,p-Xylene |
| SAM5 | 2021-12-15 | µg/m$^3$ | ND | U | o-Xylene |
| SAM3 | 2021-12-15 | µg/m$^3$ | ND | U | Styrene |
| SAM3 | 2021-12-15 | µg/m$^3$ | 0.52 | | Benzene |
| SAM3 | 2021-12-15 | µg/m$^3$ | 0.63 | | Toluene |
| SAM3 | 2021-12-15 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM3 | 2021-12-15 | µg/m$^3$ | ND | U | m,p-Xylene |
| SAM3 | 2021-12-15 | µg/m$^3$ | ND | U | o-Xylene |
| SAM1 | 2021-12-15 | µg/m$^3$ | ND | U | Styrene |
| SAM1 | 2021-12-15 | µg/m$^3$ | 0.55 | | Benzene |
| SAM1 | 2021-12-15 | µg/m$^3$ | 0.63 | | Toluene |
| SAM1 | 2021-12-15 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM1 | 2021-12-15 | µg/m$^3$ | ND | U | m,p-Xylene |
| SAM1 | 2021-12-15 | µg/m$^3$ | ND | U | o-Xylene |
| SAM1 | 2022-01-12 | µg/m$^3$ | ND | U | Styrene |
| SAM1 | 2022-01-12 | µg/m$^3$ | 0.71 | | Benzene |
| SAM1 | 2022-01-12 | µg/m$^3$ | 0.47 | J | Toluene |
| SAM1 | 2022-01-12 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM1 | 2022-01-12 | µg/m$^3$ | ND | U | m,p-Xylene |
| SAM1 | 2022-01-12 | µg/m$^3$ | ND | U | o-Xylene |
| SAM2 | 2022-01-12 | µg/m$^3$ | ND | U | Styrene |
| SAM2 | 2022-01-12 | µg/m$^3$ | 0.57 | | Benzene |
| SAM2 | 2022-01-12 | µg/m$^3$ | 0.41 | J | Toluene |
| SAM2 | 2022-01-12 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM2 | 2022-01-12 | µg/m$^3$ | ND | U | m,p-Xylene |
| SAM2 | 2022-01-12 | µg/m$^3$ | ND | U | o-Xylene |
| SAM3 | 2022-01-12 | µg/m$^3$ | ND | U | Styrene |
| SAM3 | 2022-01-12 | µg/m$^3$ | 0.55 | | Benzene |
| SAM3 | 2022-01-12 | µg/m$^3$ | 0.51 | | Toluene |
| SAM3 | 2022-01-12 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM3 | 2022-01-12 | µg/m$^3$ | ND | U | m,p-Xylene |
| SAM3 | 2022-01-12 | µg/m$^3$ | ND | U | o-Xylene |
| SAM4 | 2022-01-12 | µg/m$^3$ | ND | U | Styrene |
| SAM4 | 2022-01-12 | µg/m$^3$ | 0.53 | | Benzene |
| SAM4 | 2022-01-12 | µg/m$^3$ | 0.34 | J | Toluene |
| SAM4 | 2022-01-12 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM4 | 2022-01-12 | µg/m$^3$ | ND | U | m,p-Xylene |
| SAM4 | 2022-01-12 | µg/m$^3$ | ND | U | o-Xylene |
| SAM5 | 2022-01-12 | µg/m$^3$ | ND | U | Styrene |
| SAM5 | 2022-01-12 | µg/m$^3$ | 0.62 | | Benzene |
| SAM5 | 2022-01-12 | µg/m$^3$ | 0.53 | | Toluene |
| SAM5 | 2022-01-12 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM5 | 2022-01-12 | µg/m$^3$ | ND | U | m,p-Xylene |
| SAM5 | 2022-01-12 | µg/m$^3$ | ND | U | o-Xylene |
| SAM1 | 2022-01-26 | µg/m$^3$ | ND | U | Styrene |
| SAM1 | 2022-01-26 | µg/m$^3$ | 0.88 | | Benzene |
| SAM1 | 2022-01-26 | µg/m$^3$ | 1.1 | | Toluene |

ND - Non Detect
J - Estimated value
U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition

TIME-AVERAGED VOLATILE ORGANIC COMPOUND DATA (METHOD 325A/B)

| Sample | | | | | |
|---|---|---|---|---|---|
| Location | End Date | Units | Results | Data Flags | Compound Name |
| SAM1 | 2022-01-26 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM1 | 2022-01-26 | µg/m$^3$ | 0.52 | J | m,p-Xylene |
| SAM1 | 2022-01-26 | µg/m$^3$ | ND | U | o-Xylene |
| SAM2 | 2022-01-26 | µg/m$^3$ | ND | U | Styrene |
| SAM2 | 2022-01-26 | µg/m$^3$ | 0.6 | | Benzene |
| SAM2 | 2022-01-26 | µg/m$^3$ | 0.66 | | Toluene |
| SAM2 | 2022-01-26 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM2 | 2022-01-26 | µg/m$^3$ | ND | U | m,p-Xylene |
| SAM2 | 2022-01-26 | µg/m$^3$ | ND | U | o-Xylene |
| SAM3 | 2022-01-26 | µg/m$^3$ | ND | U | Styrene |
| SAM3 | 2022-01-26 | µg/m$^3$ | 0.62 | | Benzene |
| SAM3 | 2022-01-26 | µg/m$^3$ | 0.66 | | Toluene |
| SAM3 | 2022-01-26 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM3 | 2022-01-26 | µg/m$^3$ | ND | U | m,p-Xylene |
| SAM3 | 2022-01-26 | µg/m$^3$ | ND | U | o-Xylene |
| SAM4 | 2022-01-26 | µg/m$^3$ | ND | U | Styrene |
| SAM4 | 2022-01-26 | µg/m$^3$ | 0.82 | | Benzene |
| SAM4 | 2022-01-26 | µg/m$^3$ | 0.91 | | Toluene |
| SAM4 | 2022-01-26 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM4 | 2022-01-26 | µg/m$^3$ | 0.56 | J | m,p-Xylene |
| SAM4 | 2022-01-26 | µg/m$^3$ | ND | U | o-Xylene |
| SAM5 | 2022-01-26 | µg/m$^3$ | ND | U | Styrene |
| SAM5 | 2022-01-26 | µg/m$^3$ | 0.52 | | Benzene |
| SAM5 | 2022-01-26 | µg/m$^3$ | 0.55 | | Toluene |
| SAM5 | 2022-01-26 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM5 | 2022-01-26 | µg/m$^3$ | ND | U | m,p-Xylene |
| SAM5 | 2022-01-26 | µg/m$^3$ | ND | U | o-Xylene |
| SAM1 | 2022-02-09 | µg/m$^3$ | ND | U | Styrene |
| SAM1 | 2022-02-09 | µg/m$^3$ | 0.65 | | Benzene |
| SAM1 | 2022-02-09 | µg/m$^3$ | 0.48 | J | Toluene |
| SAM1 | 2022-02-09 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM1 | 2022-02-09 | µg/m$^3$ | ND | U | m,p-Xylene |
| SAM1 | 2022-02-09 | µg/m$^3$ | ND | U | o-Xylene |
| SAM2 | 2022-02-09 | µg/m$^3$ | ND | U | Styrene |
| SAM2 | 2022-02-09 | µg/m$^3$ | 0.82 | | Benzene |
| SAM2 | 2022-02-09 | µg/m$^3$ | 0.65 | | Toluene |
| SAM2 | 2022-02-09 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM2 | 2022-02-09 | µg/m$^3$ | ND | U | m,p-Xylene |
| SAM2 | 2022-02-09 | µg/m$^3$ | ND | U | o-Xylene |
| SAM3 | 2022-02-09 | µg/m$^3$ | ND | U | Styrene |
| SAM3 | 2022-02-09 | µg/m$^3$ | 0.65 | | Benzene |
| SAM3 | 2022-02-09 | µg/m$^3$ | 0.5 | | Toluene |
| SAM3 | 2022-02-09 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM3 | 2022-02-09 | µg/m$^3$ | ND | U | m,p-Xylene |
| SAM3 | 2022-02-09 | µg/m$^3$ | ND | U | o-Xylene |
| SAM4 | 2022-02-09 | µg/m$^3$ | ND | U | Styrene |
| SAM4 | 2022-02-09 | µg/m$^3$ | 0.68 | | Benzene |
| SAM4 | 2022-02-09 | µg/m$^3$ | 0.56 | | Toluene |
| SAM4 | 2022-02-09 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM4 | 2022-02-09 | µg/m$^3$ | ND | U | m,p-Xylene |
| SAM4 | 2022-02-09 | µg/m$^3$ | ND | U | o-Xylene |
| SAM5 | 2022-02-09 | µg/m$^3$ | ND | U | Styrene |
| SAM5 | 2022-02-09 | µg/m$^3$ | 0.66 | | Benzene |
| SAM5 | 2022-02-09 | µg/m$^3$ | 0.6 | | Toluene |
| SAM5 | 2022-02-09 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM5 | 2022-02-09 | µg/m$^3$ | ND | U | m,p-Xylene |
| SAM5 | 2022-02-09 | µg/m$^3$ | ND | U | o-Xylene |
| SAM1 | 2022-02-23 | µg/m$^3$ | ND | U | Styrene |
| SAM1 | 2022-02-23 | µg/m$^3$ | 0.61 | | Benzene |
| SAM1 | 2022-02-23 | µg/m$^3$ | 0.43 | J | Toluene |
| SAM1 | 2022-02-23 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM1 | 2022-02-23 | µg/m$^3$ | ND | U | m,p-Xylene |
| SAM1 | 2022-02-23 | µg/m$^3$ | ND | U | o-Xylene |

ND - Non Detect
J - Estimated value
U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition

| Sample | | Units | Results | Data Flags | Compound Name |
|---|---|---|---|---|---|
| Location | End Date | | | | |
| SAM2 | 2022-02-23 | µg/m$^3$ | ND | U | Styrene |
| SAM2 | 2022-02-23 | µg/m$^3$ | 0.7 | | Benzene |
| SAM2 | 2022-02-23 | µg/m$^3$ | 0.57 | | Toluene |
| SAM2 | 2022-02-23 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM2 | 2022-02-23 | µg/m$^3$ | ND | U | m,p-Xylene |
| SAM2 | 2022-02-23 | µg/m$^3$ | ND | U | o-Xylene |
| SAM3 | 2022-02-23 | µg/m$^3$ | ND | U | Styrene |
| SAM3 | 2022-02-23 | µg/m$^3$ | 0.68 | | Benzene |
| SAM3 | 2022-02-23 | µg/m$^3$ | 0.4 | J | Toluene |
| SAM3 | 2022-02-23 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM3 | 2022-02-23 | µg/m$^3$ | ND | U | m,p-Xylene |
| SAM3 | 2022-02-23 | µg/m$^3$ | ND | U | o-Xylene |
| SAM4 | 2022-02-23 | µg/m$^3$ | ND | U | Styrene |
| SAM4 | 2022-02-23 | µg/m$^3$ | 0.79 | | Benzene |
| SAM4 | 2022-02-23 | µg/m$^3$ | 0.67 | | Toluene |
| SAM4 | 2022-02-23 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM4 | 2022-02-23 | µg/m$^3$ | ND | U | m,p-Xylene |
| SAM4 | 2022-02-23 | µg/m$^3$ | ND | U | o-Xylene |
| SAM5 | 2022-02-23 | µg/m$^3$ | ND | U | Styrene |
| SAM5 | 2022-02-23 | µg/m$^3$ | 0.62 | | Benzene |
| SAM5 | 2022-02-23 | µg/m$^3$ | 0.4 | J | Toluene |
| SAM5 | 2022-02-23 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM5 | 2022-02-23 | µg/m$^3$ | ND | U | m,p-Xylene |
| SAM5 | 2022-02-23 | µg/m$^3$ | ND | U | o-Xylene |
| SAM1 | 2022-03-09 | µg/m$^3$ | 0.21 | | Styrene |
| SAM1 | 2022-03-09 | µg/m$^3$ | 0.96 | | Benzene |
| SAM1 | 2022-03-09 | µg/m$^3$ | 1.2 | | Toluene |
| SAM1 | 2022-03-09 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM1 | 2022-03-09 | µg/m$^3$ | 0.78 | | m,p-Xylene |
| SAM1 | 2022-03-09 | µg/m$^3$ | 0.34 | J | o-Xylene |
| SAM2 | 2022-03-09 | µg/m$^3$ | ND | U | Styrene |
| SAM2 | 2022-03-09 | µg/m$^3$ | 1 | | Benzene |
| SAM2 | 2022-03-09 | µg/m$^3$ | 1.1 | | Toluene |
| SAM2 | 2022-03-09 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM2 | 2022-03-09 | µg/m$^3$ | 0.65 | | m,p-Xylene |
| SAM2 | 2022-03-09 | µg/m$^3$ | 0.28 | J | o-Xylene |
| SAM3 | 2022-03-09 | µg/m$^3$ | ND | U | Styrene |
| SAM3 | 2022-03-09 | µg/m$^3$ | 0.98 | | Benzene |
| SAM3 | 2022-03-09 | µg/m$^3$ | 1.3 | | Toluene |
| SAM3 | 2022-03-09 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM3 | 2022-03-09 | µg/m$^3$ | 0.79 | | m,p-Xylene |
| SAM3 | 2022-03-09 | µg/m$^3$ | 0.34 | J | o-Xylene |
| SAM4 | 2022-03-09 | µg/m$^3$ | ND | U | Styrene |
| SAM4 | 2022-03-09 | µg/m$^3$ | 0.87 | | Benzene |
| SAM4 | 2022-03-09 | µg/m$^3$ | 1 | | Toluene |
| SAM4 | 2022-03-09 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM4 | 2022-03-09 | µg/m$^3$ | 0.67 | | m,p-Xylene |
| SAM4 | 2022-03-09 | µg/m$^3$ | ND | U | o-Xylene |
| SAM5 | 2022-03-09 | µg/m$^3$ | ND | U | Styrene |
| SAM5 | 2022-03-09 | µg/m$^3$ | 0.83 | | Benzene |
| SAM5 | 2022-03-09 | µg/m$^3$ | 0.97 | | Toluene |
| SAM5 | 2022-03-09 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM5 | 2022-03-09 | µg/m$^3$ | 0.51 | J | m,p-Xylene |
| SAM5 | 2022-03-09 | µg/m$^3$ | ND | U | o-Xylene |
| SAM1 | 2022-03-23 | µg/m$^3$ | ND | U | Styrene |
| SAM1 | 2022-03-23 | µg/m$^3$ | 0.65 | | Benzene |
| SAM1 | 2022-03-23 | µg/m$^3$ | 0.97 | | Toluene |
| SAM1 | 2022-03-23 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM1 | 2022-03-23 | µg/m$^3$ | 0.35 | J | m,p-Xylene |
| SAM1 | 2022-03-23 | µg/m$^3$ | ND | U | o-Xylene |
| SAM2 | 2022-03-23 | µg/m$^3$ | ND | U | Styrene |
| SAM2 | 2022-03-23 | µg/m$^3$ | 0.64 | | Benzene |
| SAM2 | 2022-03-23 | µg/m$^3$ | 0.76 | | Toluene |

ND - Non Detect
J - Estimated value
U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition

TIME-AVERAGED VOLATILE ORGANIC COMPOUND DATA (METHOD 325A/B)

| Sample | | | | | |
|---|---|---|---|---|---|
| Location | End Date | Units | Results | Data Flags | Compound Name |
| SAM2 | 2022-03-23 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM2 | 2022-03-23 | µg/m$^3$ | 0.3 | J | m,p-Xylene |
| SAM2 | 2022-03-23 | µg/m$^3$ | ND | U | o-Xylene |
| SAM3 | 2022-03-23 | µg/m$^3$ | ND | U | Styrene |
| SAM3 | 2022-03-23 | µg/m$^3$ | 0.7 | | Benzene |
| SAM3 | 2022-03-23 | µg/m$^3$ | 1.1 | | Toluene |
| SAM3 | 2022-03-23 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM3 | 2022-03-23 | µg/m$^3$ | 0.6 | J | m,p-Xylene |
| SAM3 | 2022-03-23 | µg/m$^3$ | ND | U | o-Xylene |
| SAM4 | 2022-03-23 | µg/m$^3$ | ND | U | Styrene |
| SAM4 | 2022-03-23 | µg/m$^3$ | 0.68 | | Benzene |
| SAM4 | 2022-03-23 | µg/m$^3$ | 0.74 | | Toluene |
| SAM4 | 2022-03-23 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM4 | 2022-03-23 | µg/m$^3$ | 0.34 | J | m,p-Xylene |
| SAM4 | 2022-03-23 | µg/m$^3$ | ND | U | o-Xylene |
| SAM5 | 2022-03-23 | µg/m$^3$ | ND | U | Styrene |
| SAM5 | 2022-03-23 | µg/m$^3$ | 0.59 | | Benzene |
| SAM5 | 2022-03-23 | µg/m$^3$ | 0.51 | | Toluene |
| SAM5 | 2022-03-23 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM5 | 2022-03-23 | µg/m$^3$ | ND | U | m,p-Xylene |
| SAM5 | 2022-03-23 | µg/m$^3$ | ND | U | o-Xylene |
| SAM1 | 2022-04-06 | µg/m$^3$ | ND | U | Styrene |
| SAM1 | 2022-04-06 | µg/m$^3$ | 1.1 | | Benzene |
| SAM1 | 2022-04-06 | µg/m$^3$ | 0.82 | | Toluene |
| SAM1 | 2022-04-06 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM1 | 2022-04-06 | µg/m$^3$ | 0.62 | | m,p-Xylene |
| SAM1 | 2022-04-06 | µg/m$^3$ | ND | U | o-Xylene |
| SAM2 | 2022-04-06 | µg/m$^3$ | ND | U | Styrene |
| SAM2 | 2022-04-06 | µg/m$^3$ | 1.5 | | Benzene |
| SAM2 | 2022-04-06 | µg/m$^3$ | 0.91 | | Toluene |
| SAM2 | 2022-04-06 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM2 | 2022-04-06 | µg/m$^3$ | 0.62 | | m,p-Xylene |
| SAM2 | 2022-04-06 | µg/m$^3$ | ND | U | o-Xylene |
| SAM3 | 2022-04-06 | µg/m$^3$ | ND | U | Styrene |
| SAM3 | 2022-04-06 | µg/m$^3$ | 1.3 | | Benzene |
| SAM3 | 2022-04-06 | µg/m$^3$ | 0.92 | | Toluene |
| SAM3 | 2022-04-06 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM3 | 2022-04-06 | µg/m$^3$ | 0.5 | J | m,p-Xylene |
| SAM3 | 2022-04-06 | µg/m$^3$ | ND | U | o-Xylene |
| SAM4 | 2022-04-06 | µg/m$^3$ | ND | U | Styrene |
| SAM4 | 2022-04-06 | µg/m$^3$ | 0.94 | | Benzene |
| SAM4 | 2022-04-06 | µg/m$^3$ | 0.56 | | Toluene |
| SAM4 | 2022-04-06 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM4 | 2022-04-06 | µg/m$^3$ | ND | U | m,p-Xylene |
| SAM4 | 2022-04-06 | µg/m$^3$ | ND | U | o-Xylene |
| SAM5 | 2022-04-06 | µg/m$^3$ | ND | U | Styrene |
| SAM5 | 2022-04-06 | µg/m$^3$ | 0.5 | | Benzene |
| SAM5 | 2022-04-06 | µg/m$^3$ | 0.26 | J | Toluene |
| SAM5 | 2022-04-06 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM5 | 2022-04-06 | µg/m$^3$ | ND | U | m,p-Xylene |
| SAM5 | 2022-04-06 | µg/m$^3$ | ND | U | o-Xylene |
| SAM1 | 2022-04-20 | µg/m$^3$ | ND | U | Styrene |
| SAM1 | 2022-04-20 | µg/m$^3$ | 0.85 | | Benzene |
| SAM1 | 2022-04-20 | µg/m$^3$ | 1.4 | | Toluene |
| SAM1 | 2022-04-20 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM1 | 2022-04-20 | µg/m$^3$ | 0.37 | J | m,p-Xylene |
| SAM1 | 2022-04-20 | µg/m$^3$ | ND | U | o-Xylene |
| SAM2 | 2022-04-20 | µg/m$^3$ | ND | U | Styrene |
| SAM2 | 2022-04-20 | µg/m$^3$ | 0.87 | | Benzene |
| SAM2 | 2022-04-20 | µg/m$^3$ | 0.49 | J | Toluene |
| SAM2 | 2022-04-20 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM2 | 2022-04-20 | µg/m$^3$ | ND | U | m,p-Xylene |
| SAM2 | 2022-04-20 | µg/m$^3$ | ND | U | o-Xylene |

ND - Non Detect
J - Estimated value
U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition

| Sample | | | | | |
|---|---|---|---|---|---|
| Location | End Date | Units | Results | Data Flags | Compound Name |
| SAM3 | 2022-04-20 | µg/m$^3$ | ND | U | Styrene |
| SAM3 | 2022-04-20 | µg/m$^3$ | 0.88 | | Benzene |
| SAM3 | 2022-04-20 | µg/m$^3$ | 0.54 | | Toluene |
| SAM3 | 2022-04-20 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM3 | 2022-04-20 | µg/m$^3$ | ND | U | m,p-Xylene |
| SAM3 | 2022-04-20 | µg/m$^3$ | ND | U | o-Xylene |
| SAM4 | 2022-04-20 | µg/m$^3$ | ND | U | Styrene |
| SAM4 | 2022-04-20 | µg/m$^3$ | 0.61 | | Benzene |
| SAM4 | 2022-04-20 | µg/m$^3$ | 0.44 | J | Toluene |
| SAM4 | 2022-04-20 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM4 | 2022-04-20 | µg/m$^3$ | ND | U | m,p-Xylene |
| SAM4 | 2022-04-20 | µg/m$^3$ | ND | U | o-Xylene |
| SAM5 | 2022-04-20 | µg/m$^3$ | ND | U | Styrene |
| SAM5 | 2022-04-20 | µg/m$^3$ | 0.86 | | Benzene |
| SAM5 | 2022-04-20 | µg/m$^3$ | 0.46 | J | Toluene |
| SAM5 | 2022-04-20 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM5 | 2022-04-20 | µg/m$^3$ | ND | U | m,p-Xylene |
| SAM5 | 2022-04-20 | µg/m$^3$ | ND | U | o-Xylene |
| SAM1 | 2022-04-29 | µg/m$^3$ | ND | U | Styrene |
| SAM1 | 2022-04-29 | µg/m$^3$ | 0.49 | J | Benzene |
| SAM1 | 2022-04-29 | µg/m$^3$ | 0.64 | J | Toluene |
| SAM1 | 2022-04-29 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM1 | 2022-04-29 | µg/m$^3$ | ND | U | m,p-Xylene |
| SAM1 | 2022-04-29 | µg/m$^3$ | ND | U | o-Xylene |
| SAM2 | 2022-04-29 | µg/m$^3$ | ND | U | Styrene |
| SAM2 | 2022-04-29 | µg/m$^3$ | 0.39 | J | Benzene |
| SAM2 | 2022-04-29 | µg/m$^3$ | 0.46 | J | Toluene |
| SAM2 | 2022-04-29 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM2 | 2022-04-29 | µg/m$^3$ | ND | U | m,p-Xylene |
| SAM2 | 2022-04-29 | µg/m$^3$ | ND | U | o-Xylene |
| SAM3 | 2022-04-29 | µg/m$^3$ | ND | U | Styrene |
| SAM3 | 2022-04-29 | µg/m$^3$ | 0.39 | J | Benzene |
| SAM3 | 2022-04-29 | µg/m$^3$ | 0.58 | J | Toluene |
| SAM3 | 2022-04-29 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM3 | 2022-04-29 | µg/m$^3$ | ND | U | m,p-Xylene |
| SAM3 | 2022-04-29 | µg/m$^3$ | ND | U | o-Xylene |
| SAM4 | 2022-04-29 | µg/m$^3$ | ND | U | Styrene |
| SAM4 | 2022-04-29 | µg/m$^3$ | 0.59 | | Benzene |
| SAM4 | 2022-04-29 | µg/m$^3$ | 0.59 | J | Toluene |
| SAM4 | 2022-04-29 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM4 | 2022-04-29 | µg/m$^3$ | ND | U | m,p-Xylene |
| SAM4 | 2022-04-29 | µg/m$^3$ | ND | U | o-Xylene |
| SAM5 | 2022-04-29 | µg/m$^3$ | ND | U | Styrene |
| SAM5 | 2022-04-29 | µg/m$^3$ | 0.51 | J | Benzene |
| SAM5 | 2022-04-29 | µg/m$^3$ | 0.76 | | Toluene |
| SAM5 | 2022-04-29 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM5 | 2022-04-29 | µg/m$^3$ | ND | U | m,p-Xylene |
| SAM5 | 2022-04-29 | µg/m$^3$ | ND | U | o-Xylene |
| SAM1 | 2022-05-13 | µg/m$^3$ | ND | U | Styrene |
| SAM1 | 2022-05-13 | µg/m$^3$ | 0.39 | | Benzene |
| SAM1 | 2022-05-13 | µg/m$^3$ | 0.36 | J | Toluene |
| SAM1 | 2022-05-13 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM1 | 2022-05-13 | µg/m$^3$ | ND | U | m,p-Xylene |
| SAM1 | 2022-05-13 | µg/m$^3$ | ND | U | o-Xylene |
| SAM2 | 2022-05-13 | µg/m$^3$ | ND | U | Styrene |
| SAM2 | 2022-05-13 | µg/m$^3$ | 0.42 | | Benzene |
| SAM2 | 2022-05-13 | µg/m$^3$ | 0.6 | | Toluene |
| SAM2 | 2022-05-13 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM2 | 2022-05-13 | µg/m$^3$ | ND | U | m,p-Xylene |
| SAM2 | 2022-05-13 | µg/m$^3$ | ND | U | o-Xylene |
| SAM3 | 2022-05-13 | µg/m$^3$ | ND | U | Styrene |
| SAM3 | 2022-05-13 | µg/m$^3$ | 0.53 | | Benzene |
| SAM3 | 2022-05-13 | µg/m$^3$ | 0.64 | | Toluene |

ND - Non Detect
J - Estimated value
U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition

TIME-AVERAGED VOLATILE ORGANIC COMPOUND DATA (METHOD 325A/B)

| Sample | | Units | Results | Data Flags | Compound Name |
|---|---|---|---|---|---|
| Location | End Date | | | | |
| SAM3 | 2022-05-13 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM3 | 2022-05-13 | µg/m$^3$ | ND | U | m,p-Xylene |
| SAM3 | 2022-05-13 | µg/m$^3$ | ND | U | o-Xylene |
| SAM4 | 2022-05-13 | µg/m$^3$ | ND | U | Styrene |
| SAM4 | 2022-05-13 | µg/m$^3$ | 0.4 | | Benzene |
| SAM4 | 2022-05-13 | µg/m$^3$ | 0.41 | J | Toluene |
| SAM4 | 2022-05-13 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM4 | 2022-05-13 | µg/m$^3$ | ND | U | m,p-Xylene |
| SAM4 | 2022-05-13 | µg/m$^3$ | ND | U | o-Xylene |
| SAM5 | 2022-05-13 | µg/m$^3$ | ND | U | Styrene |
| SAM5 | 2022-05-13 | µg/m$^3$ | 0.49 | | Benzene |
| SAM5 | 2022-05-13 | µg/m$^3$ | 0.46 | J | Toluene |
| SAM5 | 2022-05-13 | µg/m$^3$ | ND | U | Ethyl Benzene |
| SAM5 | 2022-05-13 | µg/m$^3$ | ND | U | m,p-Xylene |
| SAM5 | 2022-05-13 | µg/m$^3$ | ND | U | o-Xylene |

ND - Non Detect
J - Estimated value
U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition

# APPENDIX D TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM1 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM1 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM1 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM1 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM1 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM1 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM1 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM1 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM1 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM1 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM1 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM1 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM1 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM1 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM1 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM1 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM1 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM1 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM2 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM2 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM2 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM2 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM2 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM2 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM2 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM2 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM2 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM2 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM2 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM2 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM2 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM2 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM2 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM2 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM2 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM2 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM3 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM3 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM3 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM3 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM3 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM3 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM3 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM3 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM3 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM3 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM3 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM3 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM3 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM3 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM3 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM3 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM3 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM3 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM4 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM4 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM4 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM4 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM4 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM4 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM4 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM4 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM4 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM4 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM4 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM4 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM4 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM4 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM4 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM4 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM4 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM4 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM5 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM5 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM5 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM5 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM5 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM5 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM5 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM5 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM5 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM5 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM5 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM5 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM5 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM5 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM5 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM5 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM5 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM5 | 12/03/21 16:00 | 12/6/2021 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM1 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM1 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM1 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM1 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM1 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM1 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM1 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM1 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM1 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM1 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM1 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM1 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM1 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM1 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM1 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM1 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM1 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM1 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM2 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM2 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM2 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM2 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM2 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM2 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM2 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM2 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM2 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM2 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM2 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM2 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM2 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM2 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM2 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM2 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM2 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM2 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM3 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM3 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM3 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM3 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM3 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM3 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM3 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM3 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM3 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM3 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Pyrene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM3 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM3 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM3 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM3 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM3 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM3 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM3 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM3 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM4 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM4 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM4 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM4 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM4 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM4 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM4 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM4 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM4 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM4 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM4 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM4 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM4 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM4 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM4 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM4 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM4 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM4 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM5 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM5 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM5 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM5 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM5 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM5 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM5 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM5 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM5 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM5 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM5 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM5 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM5 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM5 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM5 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM5 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM5 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM5 | 12/6/2021 16:00 | 12/09/21 16:00 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM1 | 12/10/21 16:00 | 12/13/21 14:50 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM1 | 12/10/21 16:00 | 12/13/21 14:50 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM1 | 12/10/21 16:00 | 12/13/21 14:50 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM1 | 12/10/21 16:00 | 12/13/21 14:50 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM1 | 12/10/21 16:00 | 12/13/21 14:50 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM1 | 12/10/21 16:00 | 12/13/21 14:50 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM1 | 12/10/21 16:00 | 12/13/21 14:50 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM1 | 12/10/21 16:00 | 12/13/21 14:50 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM1 | 12/10/21 16:00 | 12/13/21 14:50 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM1 | 12/10/21 16:00 | 12/13/21 14:50 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM1 | 12/10/21 16:00 | 12/13/21 14:50 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM1 | 12/10/21 16:00 | 12/13/21 14:50 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM1 | 12/10/21 16:00 | 12/13/21 14:50 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM1 | 12/10/21 16:00 | 12/13/21 14:50 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM1 | 12/10/21 16:00 | 12/13/21 14:50 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM1 | 12/10/21 16:00 | 12/13/21 14:50 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM1 | 12/10/21 16:00 | 12/13/21 14:50 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM1 | 12/10/21 16:00 | 12/13/21 14:50 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM2 | 12/10/21 16:00 | 12/13/21 14:48 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM2 | 12/10/21 16:00 | 12/13/21 14:48 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM2 | 12/10/21 16:00 | 12/13/21 14:48 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM2 | 12/10/21 16:00 | 12/13/21 14:48 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM2 | 12/10/21 16:00 | 12/13/21 14:48 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM2 | 12/10/21 16:00 | 12/13/21 14:48 | µg/m$^3$ | ND | 2.00* | Fluorene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM2 | 12/10/21 16:00 | 12/13/21 14:48 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM2 | 12/10/21 16:00 | 12/13/21 14:48 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM2 | 12/10/21 16:00 | 12/13/21 14:48 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM2 | 12/10/21 16:00 | 12/13/21 14:48 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM2 | 12/10/21 16:00 | 12/13/21 14:48 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM2 | 12/10/21 16:00 | 12/13/21 14:48 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM2 | 12/10/21 16:00 | 12/13/21 14:48 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM2 | 12/10/21 16:00 | 12/13/21 14:48 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM2 | 12/10/21 16:00 | 12/13/21 14:48 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM2 | 12/10/21 16:00 | 12/13/21 14:48 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM2 | 12/10/21 16:00 | 12/13/21 14:48 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM2 | 12/10/21 16:00 | 12/13/21 14:48 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM3 | 12/10/21 16:00 | 12/13/21 14:40 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM3 | 12/10/21 16:00 | 12/13/21 14:40 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM3 | 12/10/21 16:00 | 12/13/21 14:40 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM3 | 12/10/21 16:00 | 12/13/21 14:40 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM3 | 12/10/21 16:00 | 12/13/21 14:40 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM3 | 12/10/21 16:00 | 12/13/21 14:40 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM3 | 12/10/21 16:00 | 12/13/21 14:40 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM3 | 12/10/21 16:00 | 12/13/21 14:40 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM3 | 12/10/21 16:00 | 12/13/21 14:40 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM3 | 12/10/21 16:00 | 12/13/21 14:40 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM3 | 12/10/21 16:00 | 12/13/21 14:40 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM3 | 12/10/21 16:00 | 12/13/21 14:40 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM3 | 12/10/21 16:00 | 12/13/21 14:40 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM3 | 12/10/21 16:00 | 12/13/21 14:40 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM3 | 12/10/21 16:00 | 12/13/21 14:40 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM3 | 12/10/21 16:00 | 12/13/21 14:40 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM3 | 12/10/21 16:00 | 12/13/21 14:40 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM3 | 12/10/21 16:00 | 12/13/21 14:40 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM4 | 12/10/21 16:00 | 12/13/21 14:40 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM4 | 12/10/21 16:00 | 12/13/21 14:40 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM4 | 12/10/21 16:00 | 12/13/21 14:40 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM4 | 12/10/21 16:00 | 12/13/21 14:40 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM4 | 12/10/21 16:00 | 12/13/21 14:40 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM4 | 12/10/21 16:00 | 12/13/21 14:40 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM4 | 12/10/21 16:00 | 12/13/21 14:40 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM4 | 12/10/21 16:00 | 12/13/21 14:40 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM4 | 12/10/21 16:00 | 12/13/21 14:40 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM4 | 12/10/21 16:00 | 12/13/21 14:40 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM4 | 12/10/21 16:00 | 12/13/21 14:40 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM4 | 12/10/21 16:00 | 12/13/21 14:40 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM4 | 12/10/21 16:00 | 12/13/21 14:40 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM4 | 12/10/21 16:00 | 12/13/21 14:40 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM4 | 12/10/21 16:00 | 12/13/21 14:40 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM4 | 12/10/21 16:00 | 12/13/21 14:40 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM4 | 12/10/21 16:00 | 12/13/21 14:40 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM4 | 12/10/21 16:00 | 12/13/21 14:40 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM5 | 12/10/21 16:00 | 12/13/21 14:53 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM5 | 12/10/21 16:00 | 12/13/21 14:53 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM5 | 12/10/21 16:00 | 12/13/21 14:53 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM5 | 12/10/21 16:00 | 12/13/21 14:53 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM5 | 12/10/21 16:00 | 12/13/21 14:53 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM5 | 12/10/21 16:00 | 12/13/21 14:53 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM5 | 12/10/21 16:00 | 12/13/21 14:53 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM5 | 12/10/21 16:00 | 12/13/21 14:53 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM5 | 12/10/21 16:00 | 12/13/21 14:53 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM5 | 12/10/21 16:00 | 12/13/21 14:53 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM5 | 12/10/21 16:00 | 12/13/21 14:53 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM5 | 12/10/21 16:00 | 12/13/21 14:53 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM5 | 12/10/21 16:00 | 12/13/21 14:53 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM5 | 12/10/21 16:00 | 12/13/21 14:53 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM5 | 12/10/21 16:00 | 12/13/21 14:53 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM5 | 12/10/21 16:00 | 12/13/21 14:53 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM5 | 12/10/21 16:00 | 12/13/21 14:53 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM5 | 12/10/21 16:00 | 12/13/21 14:53 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM1 | 12/13/21 13:10 | 12/15/21 12:56 | µg/m$^3$ | ND | 2.06 | Naphthalene |
| SAM1 | 12/13/21 13:10 | 12/15/21 12:56 | µg/m$^3$ | ND | 2.06 | 2-Methylnaphthalene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM1 | 12/13/21 13:10 | 12/15/21 12:56 | µg/m$^3$ | ND | 2.06 | 2-Chloronaphthalene |
| SAM1 | 12/13/21 13:10 | 12/15/21 12:56 | µg/m$^3$ | ND | 2.06 | Acenaphthylene |
| SAM1 | 12/13/21 13:10 | 12/15/21 12:56 | µg/m$^3$ | ND | 2.06 | Acenaphthene |
| SAM1 | 12/13/21 13:10 | 12/15/21 12:56 | µg/m$^3$ | ND | 2.06 | Fluorene |
| SAM1 | 12/13/21 13:10 | 12/15/21 12:56 | µg/m$^3$ | ND | 2.06 | PheNDthrene |
| SAM1 | 12/13/21 13:10 | 12/15/21 12:56 | µg/m$^3$ | ND | 2.06 | Anthracene |
| SAM1 | 12/13/21 13:10 | 12/15/21 12:56 | µg/m$^3$ | ND | 2.06 | Fluoranthene |
| SAM1 | 12/13/21 13:10 | 12/15/21 12:56 | µg/m$^3$ | ND | 2.06 | Pyrene |
| SAM1 | 12/13/21 13:10 | 12/15/21 12:56 | µg/m$^3$ | ND | 2.06 | Chrysene |
| SAM1 | 12/13/21 13:10 | 12/15/21 12:56 | µg/m$^3$ | ND | 2.06 | Benzo(a)anthracene |
| SAM1 | 12/13/21 13:10 | 12/15/21 12:56 | µg/m$^3$ | ND | 2.06 | Benzo(b)fluoranthene |
| SAM1 | 12/13/21 13:10 | 12/15/21 12:56 | µg/m$^3$ | ND | 2.06 | Benzo(k)fluoranthene |
| SAM1 | 12/13/21 13:10 | 12/15/21 12:56 | µg/m$^3$ | ND | 2.06 | Benzo(a)pyrene |
| SAM1 | 12/13/21 13:10 | 12/15/21 12:56 | µg/m$^3$ | ND | 2.06 | Indeno(1,2,3-c,d)pyrene |
| SAM1 | 12/13/21 13:10 | 12/15/21 12:56 | µg/m$^3$ | ND | 2.06 | Dibenz(a,h)anthracene |
| SAM1 | 12/13/21 13:10 | 12/15/21 12:56 | µg/m$^3$ | ND | 2.06 | Benzo(g,h,i)perylene |
| SAM2 | 12/13/21 15:15 | 12/15/21 12:47 | µg/m$^3$ | ND | 2.00 | Naphthalene |
| SAM2 | 12/13/21 15:15 | 12/15/21 12:47 | µg/m$^3$ | ND | 2.00 | 2-Methylnaphthalene |
| SAM2 | 12/13/21 15:15 | 12/15/21 12:47 | µg/m$^3$ | ND | 2.00 | 2-Chloronaphthalene |
| SAM2 | 12/13/21 15:15 | 12/15/21 12:47 | µg/m$^3$ | ND | 2.00 | Acenaphthylene |
| SAM2 | 12/13/21 15:15 | 12/15/21 12:47 | µg/m$^3$ | ND | 2.00 | Acenaphthene |
| SAM2 | 12/13/21 15:15 | 12/15/21 12:47 | µg/m$^3$ | ND | 2.00 | Fluorene |
| SAM2 | 12/13/21 15:15 | 12/15/21 12:47 | µg/m$^3$ | ND | 2.00 | PheNDthrene |
| SAM2 | 12/13/21 15:15 | 12/15/21 12:47 | µg/m$^3$ | ND | 2.00 | Anthracene |
| SAM2 | 12/13/21 15:15 | 12/15/21 12:47 | µg/m$^3$ | ND | 2.00 | Fluoranthene |
| SAM2 | 12/13/21 15:15 | 12/15/21 12:47 | µg/m$^3$ | ND | 2.00 | Pyrene |
| SAM2 | 12/13/21 15:15 | 12/15/21 12:47 | µg/m$^3$ | ND | 2.00 | Chrysene |
| SAM2 | 12/13/21 15:15 | 12/15/21 12:47 | µg/m$^3$ | ND | 2.00 | Benzo(a)anthracene |
| SAM2 | 12/13/21 15:15 | 12/15/21 12:47 | µg/m$^3$ | ND | 2.00 | Benzo(b)fluoranthene |
| SAM2 | 12/13/21 15:15 | 12/15/21 12:47 | µg/m$^3$ | ND | 2.00 | Benzo(k)fluoranthene |
| SAM2 | 12/13/21 15:15 | 12/15/21 12:47 | µg/m$^3$ | ND | 2.00 | Benzo(a)pyrene |
| SAM2 | 12/13/21 15:15 | 12/15/21 12:47 | µg/m$^3$ | ND | 2.00 | Indeno(1,2,3-c,d)pyrene |
| SAM2 | 12/13/21 15:15 | 12/15/21 12:47 | µg/m$^3$ | ND | 2.00 | Dibenz(a,h)anthracene |
| SAM2 | 12/13/21 15:15 | 12/15/21 12:47 | µg/m$^3$ | ND | 2.00 | Benzo(g,h,i)perylene |
| SAM3 | 12/13/21 14:49 | 12/15/21 12:37 | µg/m$^3$ | ND | 2.05 | Naphthalene |
| SAM3 | 12/13/21 14:49 | 12/15/21 12:37 | µg/m$^3$ | ND | 2.05 | 2-Methylnaphthalene |
| SAM3 | 12/13/21 14:49 | 12/15/21 12:37 | µg/m$^3$ | ND | 2.05 | 2-Chloronaphthalene |
| SAM3 | 12/13/21 14:49 | 12/15/21 12:37 | µg/m$^3$ | ND | 2.05 | Acenaphthylene |
| SAM3 | 12/13/21 14:49 | 12/15/21 12:37 | µg/m$^3$ | ND | 2.05 | Acenaphthene |
| SAM3 | 12/13/21 14:49 | 12/15/21 12:37 | µg/m$^3$ | ND | 2.05 | Fluorene |
| SAM3 | 12/13/21 14:49 | 12/15/21 12:37 | µg/m$^3$ | ND | 2.05 | PheNDthrene |
| SAM3 | 12/13/21 14:49 | 12/15/21 12:37 | µg/m$^3$ | ND | 2.05 | Anthracene |
| SAM3 | 12/13/21 14:49 | 12/15/21 12:37 | µg/m$^3$ | ND | 2.05 | Fluoranthene |
| SAM3 | 12/13/21 14:49 | 12/15/21 12:37 | µg/m$^3$ | ND | 2.05 | Pyrene |
| SAM3 | 12/13/21 14:49 | 12/15/21 12:37 | µg/m$^3$ | ND | 2.05 | Chrysene |
| SAM3 | 12/13/21 14:49 | 12/15/21 12:37 | µg/m$^3$ | ND | 2.05 | Benzo(a)anthracene |
| SAM3 | 12/13/21 14:49 | 12/15/21 12:37 | µg/m$^3$ | ND | 2.05 | Benzo(b)fluoranthene |
| SAM3 | 12/13/21 14:49 | 12/15/21 12:37 | µg/m$^3$ | ND | 2.05 | Benzo(k)fluoranthene |
| SAM3 | 12/13/21 14:49 | 12/15/21 12:37 | µg/m$^3$ | ND | 2.05 | Benzo(a)pyrene |
| SAM3 | 12/13/21 14:49 | 12/15/21 12:37 | µg/m$^3$ | ND | 2.05 | Indeno(1,2,3-c,d)pyrene |
| SAM3 | 12/13/21 14:49 | 12/15/21 12:37 | µg/m$^3$ | ND | 2.05 | Dibenz(a,h)anthracene |
| SAM3 | 12/13/21 14:49 | 12/15/21 12:37 | µg/m$^3$ | ND | 2.05 | Benzo(g,h,i)perylene |
| SAM4 | 12/13/21 14:55 | 12/15/21 12:23 | µg/m$^3$ | ND | 2.01 | Naphthalene |
| SAM4 | 12/13/21 14:55 | 12/15/21 12:23 | µg/m$^3$ | ND | 2.01 | 2-Methylnaphthalene |
| SAM4 | 12/13/21 14:55 | 12/15/21 12:23 | µg/m$^3$ | ND | 2.01 | 2-Chloronaphthalene |
| SAM4 | 12/13/21 14:55 | 12/15/21 12:23 | µg/m$^3$ | ND | 2.01 | Acenaphthylene |
| SAM4 | 12/13/21 14:55 | 12/15/21 12:23 | µg/m$^3$ | ND | 2.01 | Acenaphthene |
| SAM4 | 12/13/21 14:55 | 12/15/21 12:23 | µg/m$^3$ | ND | 2.01 | Fluorene |
| SAM4 | 12/13/21 14:55 | 12/15/21 12:23 | µg/m$^3$ | ND | 2.01 | PheNDthrene |
| SAM4 | 12/13/21 14:55 | 12/15/21 12:23 | µg/m$^3$ | ND | 2.01 | Anthracene |
| SAM4 | 12/13/21 14:55 | 12/15/21 12:23 | µg/m$^3$ | ND | 2.01 | Fluoranthene |
| SAM4 | 12/13/21 14:55 | 12/15/21 12:23 | µg/m$^3$ | ND | 2.01 | Pyrene |
| SAM4 | 12/13/21 14:55 | 12/15/21 12:23 | µg/m$^3$ | ND | 2.01 | Chrysene |
| SAM4 | 12/13/21 14:55 | 12/15/21 12:23 | µg/m$^3$ | ND | 2.01 | Benzo(a)anthracene |
| SAM4 | 12/13/21 14:55 | 12/15/21 12:23 | µg/m$^3$ | ND | 2.01 | Benzo(b)fluoranthene |
| SAM4 | 12/13/21 14:55 | 12/15/21 12:23 | µg/m$^3$ | ND | 2.01 | Benzo(k)fluoranthene |
| SAM4 | 12/13/21 14:55 | 12/15/21 12:23 | µg/m$^3$ | ND | 2.01 | Benzo(a)pyrene |
| SAM4 | 12/13/21 14:55 | 12/15/21 12:23 | µg/m$^3$ | ND | 2.01 | Indeno(1,2,3-c,d)pyrene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM4 | 12/13/21 14:55 | 12/15/21 12:23 | µg/m$^3$ | ND | 2.01 | Dibenz(a,h)anthracene |
| SAM4 | 12/13/21 14:55 | 12/15/21 12:23 | µg/m$^3$ | ND | 2.01 | Benzo(g,h,i)perylene |
| SAM5 | 12/13/21 14:52 | 12/15/21 12:26 | µg/m$^3$ | ND | 2.05 | Naphthalene |
| SAM5 | 12/13/21 14:52 | 12/15/21 12:26 | µg/m$^3$ | ND | 2.05 | 2-Methylnaphthalene |
| SAM5 | 12/13/21 14:52 | 12/15/21 12:26 | µg/m$^3$ | ND | 2.05 | 2-Chloronaphthalene |
| SAM5 | 12/13/21 14:52 | 12/15/21 12:26 | µg/m$^3$ | ND | 2.05 | Acenaphthylene |
| SAM5 | 12/13/21 14:52 | 12/15/21 12:26 | µg/m$^3$ | ND | 2.05 | Acenaphthene |
| SAM5 | 12/13/21 14:52 | 12/15/21 12:26 | µg/m$^3$ | ND | 2.05 | Fluorene |
| SAM5 | 12/13/21 14:52 | 12/15/21 12:26 | µg/m$^3$ | ND | 2.05 | PheNDthrene |
| SAM5 | 12/13/21 14:52 | 12/15/21 12:26 | µg/m$^3$ | ND | 2.05 | Anthracene |
| SAM5 | 12/13/21 14:52 | 12/15/21 12:26 | µg/m$^3$ | ND | 2.05 | Fluoranthene |
| SAM5 | 12/13/21 14:52 | 12/15/21 12:26 | µg/m$^3$ | ND | 2.05 | Pyrene |
| SAM5 | 12/13/21 14:52 | 12/15/21 12:26 | µg/m$^3$ | ND | 2.05 | Chrysene |
| SAM5 | 12/13/21 14:52 | 12/15/21 12:26 | µg/m$^3$ | ND | 2.05 | Benzo(a)anthracene |
| SAM5 | 12/13/21 14:52 | 12/15/21 12:26 | µg/m$^3$ | ND | 2.05 | Benzo(b)fluoranthene |
| SAM5 | 12/13/21 14:52 | 12/15/21 12:26 | µg/m$^3$ | ND | 2.05 | Benzo(k)fluoranthene |
| SAM5 | 12/13/21 14:52 | 12/15/21 12:26 | µg/m$^3$ | ND | 2.05 | Benzo(a)pyrene |
| SAM5 | 12/13/21 14:52 | 12/15/21 12:26 | µg/m$^3$ | ND | 2.05 | Indeno(1,2,3-c,d)pyrene |
| SAM5 | 12/13/21 14:52 | 12/15/21 12:26 | µg/m$^3$ | ND | 2.05 | Dibenz(a,h)anthracene |
| SAM5 | 12/13/21 14:52 | 12/15/21 12:26 | µg/m$^3$ | ND | 2.05 | Benzo(g,h,i)perylene |
| SAM1 | 12/15/21 14:38 | 12/17/21 10:43 | µg/m$^3$ | ND | 2.06 | Naphthalene |
| SAM1 | 12/15/21 14:38 | 12/17/21 10:43 | µg/m$^3$ | ND | 2.06 | 2-Methylnaphthalene |
| SAM1 | 12/15/21 14:38 | 12/17/21 10:43 | µg/m$^3$ | ND | 2.06 | 2-Chloronaphthalene |
| SAM1 | 12/15/21 14:38 | 12/17/21 10:43 | µg/m$^3$ | ND | 2.06 | Acenaphthylene |
| SAM1 | 12/15/21 14:38 | 12/17/21 10:43 | µg/m$^3$ | ND | 2.06 | Acenaphthene |
| SAM1 | 12/15/21 14:38 | 12/17/21 10:43 | µg/m$^3$ | ND | 2.06 | Fluorene |
| SAM1 | 12/15/21 14:38 | 12/17/21 10:43 | µg/m$^3$ | ND | 2.06 | PheNDthrene |
| SAM1 | 12/15/21 14:38 | 12/17/21 10:43 | µg/m$^3$ | ND | 2.06 | Anthracene |
| SAM1 | 12/15/21 14:38 | 12/17/21 10:43 | µg/m$^3$ | ND | 2.06 | Fluoranthene |
| SAM1 | 12/15/21 14:38 | 12/17/21 10:43 | µg/m$^3$ | ND | 2.06 | Pyrene |
| SAM1 | 12/15/21 14:38 | 12/17/21 10:43 | µg/m$^3$ | ND | 2.06 | Chrysene |
| SAM1 | 12/15/21 14:38 | 12/17/21 10:43 | µg/m$^3$ | ND | 2.06 | Benzo(a)anthracene |
| SAM1 | 12/15/21 14:38 | 12/17/21 10:43 | µg/m$^3$ | ND | 2.06 | Benzo(b)fluoranthene |
| SAM1 | 12/15/21 14:38 | 12/17/21 10:43 | µg/m$^3$ | ND | 2.06 | Benzo(k)fluoranthene |
| SAM1 | 12/15/21 14:38 | 12/17/21 10:43 | µg/m$^3$ | ND | 2.06 | Benzo(a)pyrene |
| SAM1 | 12/15/21 14:38 | 12/17/21 10:43 | µg/m$^3$ | ND | 2.06 | Indeno(1,2,3-c,d)pyrene |
| SAM1 | 12/15/21 14:38 | 12/17/21 10:43 | µg/m$^3$ | ND | 2.06 | Dibenz(a,h)anthracene |
| SAM1 | 12/15/21 14:38 | 12/17/21 10:43 | µg/m$^3$ | ND | 2.06 | Benzo(g,h,i)perylene |
| SAM2 | 12/15/21 14:31 | 12/17/21 10:53 | µg/m$^3$ | ND | 2.00 | Naphthalene |
| SAM2 | 12/15/21 14:31 | 12/17/21 10:53 | µg/m$^3$ | ND | 2.00 | 2-Methylnaphthalene |
| SAM2 | 12/15/21 14:31 | 12/17/21 10:53 | µg/m$^3$ | ND | 2.00 | 2-Chloronaphthalene |
| SAM2 | 12/15/21 14:31 | 12/17/21 10:53 | µg/m$^3$ | ND | 2.00 | Acenaphthylene |
| SAM2 | 12/15/21 14:31 | 12/17/21 10:53 | µg/m$^3$ | ND | 2.00 | Acenaphthene |
| SAM2 | 12/15/21 14:31 | 12/17/21 10:53 | µg/m$^3$ | ND | 2.00 | Fluorene |
| SAM2 | 12/15/21 14:31 | 12/17/21 10:53 | µg/m$^3$ | ND | 2.00 | PheNDthrene |
| SAM2 | 12/15/21 14:31 | 12/17/21 10:53 | µg/m$^3$ | ND | 2.00 | Anthracene |
| SAM2 | 12/15/21 14:31 | 12/17/21 10:53 | µg/m$^3$ | ND | 2.00 | Fluoranthene |
| SAM2 | 12/15/21 14:31 | 12/17/21 10:53 | µg/m$^3$ | ND | 2.00 | Pyrene |
| SAM2 | 12/15/21 14:31 | 12/17/21 10:53 | µg/m$^3$ | ND | 2.00 | Chrysene |
| SAM2 | 12/15/21 14:31 | 12/17/21 10:53 | µg/m$^3$ | ND | 2.00 | Benzo(a)anthracene |
| SAM2 | 12/15/21 14:31 | 12/17/21 10:53 | µg/m$^3$ | ND | 2.00 | Benzo(b)fluoranthene |
| SAM2 | 12/15/21 14:31 | 12/17/21 10:53 | µg/m$^3$ | ND | 2.00 | Benzo(k)fluoranthene |
| SAM2 | 12/15/21 14:31 | 12/17/21 10:53 | µg/m$^3$ | ND | 2.00 | Benzo(a)pyrene |
| SAM2 | 12/15/21 14:31 | 12/17/21 10:53 | µg/m$^3$ | ND | 2.00 | Indeno(1,2,3-c,d)pyrene |
| SAM2 | 12/15/21 14:31 | 12/17/21 10:53 | µg/m$^3$ | ND | 2.00 | Dibenz(a,h)anthracene |
| SAM2 | 12/15/21 14:31 | 12/17/21 10:53 | µg/m$^3$ | ND | 2.00 | Benzo(g,h,i)perylene |
| SAM3 | 12/15/21 14:18 | 12/17/21 10:59 | µg/m$^3$ | ND | 2.05 | Naphthalene |
| SAM3 | 12/15/21 14:18 | 12/17/21 10:59 | µg/m$^3$ | ND | 2.05 | 2-Methylnaphthalene |
| SAM3 | 12/15/21 14:18 | 12/17/21 10:59 | µg/m$^3$ | ND | 2.05 | 2-Chloronaphthalene |
| SAM3 | 12/15/21 14:18 | 12/17/21 10:59 | µg/m$^3$ | ND | 2.05 | Acenaphthylene |
| SAM3 | 12/15/21 14:18 | 12/17/21 10:59 | µg/m$^3$ | ND | 2.05 | Acenaphthene |
| SAM3 | 12/15/21 14:18 | 12/17/21 10:59 | µg/m$^3$ | ND | 2.05 | Fluorene |
| SAM3 | 12/15/21 14:18 | 12/17/21 10:59 | µg/m$^3$ | ND | 2.05 | PheNDthrene |
| SAM3 | 12/15/21 14:18 | 12/17/21 10:59 | µg/m$^3$ | ND | 2.05 | Anthracene |
| SAM3 | 12/15/21 14:18 | 12/17/21 10:59 | µg/m$^3$ | ND | 2.05 | Fluoranthene |
| SAM3 | 12/15/21 14:18 | 12/17/21 10:59 | µg/m$^3$ | ND | 2.05 | Pyrene |
| SAM3 | 12/15/21 14:18 | 12/17/21 10:59 | µg/m$^3$ | ND | 2.05 | Chrysene |
| SAM3 | 12/15/21 14:18 | 12/17/21 10:59 | µg/m$^3$ | ND | 2.05 | Benzo(a)anthracene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM3 | 12/15/21 14:18 | 12/17/21 10:59 | µg/m$^3$ | ND | 2.05 | Benzo(b)fluoranthene |
| SAM3 | 12/15/21 14:18 | 12/17/21 10:59 | µg/m$^3$ | ND | 2.05 | Benzo(k)fluoranthene |
| SAM3 | 12/15/21 14:18 | 12/17/21 10:59 | µg/m$^3$ | ND | 2.05 | Benzo(a)pyrene |
| SAM3 | 12/15/21 14:18 | 12/17/21 10:59 | µg/m$^3$ | ND | 2.05 | Indeno(1,2,3-c,d)pyrene |
| SAM3 | 12/15/21 14:18 | 12/17/21 10:59 | µg/m$^3$ | ND | 2.05 | Dibenz(a,h)anthracene |
| SAM3 | 12/15/21 14:18 | 12/17/21 10:59 | µg/m$^3$ | ND | 2.05 | Benzo(g,h,i)perylene |
| SAM4 | 12/15/21 14:45 | 12/17/21 10:36 | µg/m$^3$ | ND | 2.01 | Naphthalene |
| SAM4 | 12/15/21 14:45 | 12/17/21 10:36 | µg/m$^3$ | ND | 2.01 | 2-Methylnaphthalene |
| SAM4 | 12/15/21 14:45 | 12/17/21 10:36 | µg/m$^3$ | ND | 2.01 | 2-Chloronaphthalene |
| SAM4 | 12/15/21 14:45 | 12/17/21 10:36 | µg/m$^3$ | ND | 2.01 | Acenaphthylene |
| SAM4 | 12/15/21 14:45 | 12/17/21 10:36 | µg/m$^3$ | ND | 2.01 | Acenaphthene |
| SAM4 | 12/15/21 14:45 | 12/17/21 10:36 | µg/m$^3$ | ND | 2.01 | Fluorene |
| SAM4 | 12/15/21 14:45 | 12/17/21 10:36 | µg/m$^3$ | ND | 2.01 | PheNDthrene |
| SAM4 | 12/15/21 14:45 | 12/17/21 10:36 | µg/m$^3$ | ND | 2.01 | Anthracene |
| SAM4 | 12/15/21 14:45 | 12/17/21 10:36 | µg/m$^3$ | ND | 2.01 | Fluoranthene |
| SAM4 | 12/15/21 14:45 | 12/17/21 10:36 | µg/m$^3$ | ND | 2.01 | Pyrene |
| SAM4 | 12/15/21 14:45 | 12/17/21 10:36 | µg/m$^3$ | ND | 2.01 | Chrysene |
| SAM4 | 12/15/21 14:45 | 12/17/21 10:36 | µg/m$^3$ | ND | 2.01 | Benzo(a)anthracene |
| SAM4 | 12/15/21 14:45 | 12/17/21 10:36 | µg/m$^3$ | ND | 2.01 | Benzo(b)fluoranthene |
| SAM4 | 12/15/21 14:45 | 12/17/21 10:36 | µg/m$^3$ | ND | 2.01 | Benzo(k)fluoranthene |
| SAM4 | 12/15/21 14:45 | 12/17/21 10:36 | µg/m$^3$ | ND | 2.01 | Benzo(a)pyrene |
| SAM4 | 12/15/21 14:45 | 12/17/21 10:36 | µg/m$^3$ | ND | 2.01 | Indeno(1,2,3-c,d)pyrene |
| SAM4 | 12/15/21 14:45 | 12/17/21 10:36 | µg/m$^3$ | ND | 2.01 | Dibenz(a,h)anthracene |
| SAM4 | 12/15/21 14:45 | 12/17/21 10:36 | µg/m$^3$ | ND | 2.01 | Benzo(g,h,i)perylene |
| SAM5 | 12/15/21 14:47 | 12/17/21 10:38 | µg/m$^3$ | ND | 2.05 | Naphthalene |
| SAM5 | 12/15/21 14:47 | 12/17/21 10:38 | µg/m$^3$ | ND | 2.05 | 2-Methylnaphthalene |
| SAM5 | 12/15/21 14:47 | 12/17/21 10:38 | µg/m$^3$ | ND | 2.05 | 2-Chloronaphthalene |
| SAM5 | 12/15/21 14:47 | 12/17/21 10:38 | µg/m$^3$ | ND | 2.05 | Acenaphthylene |
| SAM5 | 12/15/21 14:47 | 12/17/21 10:38 | µg/m$^3$ | ND | 2.05 | Acenaphthene |
| SAM5 | 12/15/21 14:47 | 12/17/21 10:38 | µg/m$^3$ | ND | 2.05 | Fluorene |
| SAM5 | 12/15/21 14:47 | 12/17/21 10:38 | µg/m$^3$ | ND | 2.05 | PheNDthrene |
| SAM5 | 12/15/21 14:47 | 12/17/21 10:38 | µg/m$^3$ | ND | 2.05 | Anthracene |
| SAM5 | 12/15/21 14:47 | 12/17/21 10:38 | µg/m$^3$ | ND | 2.05 | Fluoranthene |
| SAM5 | 12/15/21 14:47 | 12/17/21 10:38 | µg/m$^3$ | ND | 2.05 | Pyrene |
| SAM5 | 12/15/21 14:47 | 12/17/21 10:38 | µg/m$^3$ | ND | 2.05 | Chrysene |
| SAM5 | 12/15/21 14:47 | 12/17/21 10:38 | µg/m$^3$ | ND | 2.05 | Benzo(a)anthracene |
| SAM5 | 12/15/21 14:47 | 12/17/21 10:38 | µg/m$^3$ | ND | 2.05 | Benzo(b)fluoranthene |
| SAM5 | 12/15/21 14:47 | 12/17/21 10:38 | µg/m$^3$ | ND | 2.05 | Benzo(k)fluoranthene |
| SAM5 | 12/15/21 14:47 | 12/17/21 10:38 | µg/m$^3$ | ND | 2.05 | Benzo(a)pyrene |
| SAM5 | 12/15/21 14:47 | 12/17/21 10:38 | µg/m$^3$ | ND | 2.05 | Indeno(1,2,3-c,d)pyrene |
| SAM5 | 12/15/21 14:47 | 12/17/21 10:38 | µg/m$^3$ | ND | 2.05 | Dibenz(a,h)anthracene |
| SAM5 | 12/15/21 14:47 | 12/17/21 10:38 | µg/m$^3$ | ND | 2.05 | Benzo(g,h,i)perylene |
| SAM1 | 12/20/21 08:01 | 12/22/21 15:14 | µg/m$^3$ | ND | 2.01 | Naphthalene |
| SAM1 | 12/20/21 08:01 | 12/22/21 15:14 | µg/m$^3$ | ND | 2.01 | 2-Methylnaphthalene |
| SAM1 | 12/20/21 08:01 | 12/22/21 15:14 | µg/m$^3$ | ND | 2.01 | 2-Chloronaphthalene |
| SAM1 | 12/20/21 08:01 | 12/22/21 15:14 | µg/m$^3$ | ND | 2.01 | Acenaphthylene |
| SAM1 | 12/20/21 08:01 | 12/22/21 15:14 | µg/m$^3$ | ND | 2.01 | Acenaphthene |
| SAM1 | 12/20/21 08:01 | 12/22/21 15:14 | µg/m$^3$ | ND | 2.01 | Fluorene |
| SAM1 | 12/20/21 08:01 | 12/22/21 15:14 | µg/m$^3$ | ND | 2.01 | PheNDthrene |
| SAM1 | 12/20/21 08:01 | 12/22/21 15:14 | µg/m$^3$ | ND | 2.01 | Anthracene |
| SAM1 | 12/20/21 08:01 | 12/22/21 15:14 | µg/m$^3$ | ND | 2.01 | Fluoranthene |
| SAM1 | 12/20/21 08:01 | 12/22/21 15:14 | µg/m$^3$ | ND | 2.01 | Pyrene |
| SAM1 | 12/20/21 08:01 | 12/22/21 15:14 | µg/m$^3$ | ND | 2.01 | Chrysene |
| SAM1 | 12/20/21 08:01 | 12/22/21 15:14 | µg/m$^3$ | ND | 2.01 | Benzo(a)anthracene |
| SAM1 | 12/20/21 08:01 | 12/22/21 15:14 | µg/m$^3$ | ND | 2.01 | Benzo(b)fluoranthene |
| SAM1 | 12/20/21 08:01 | 12/22/21 15:14 | µg/m$^3$ | ND | 2.01 | Benzo(k)fluoranthene |
| SAM1 | 12/20/21 08:01 | 12/22/21 15:14 | µg/m$^3$ | ND | 2.01 | Benzo(a)pyrene |
| SAM1 | 12/20/21 08:01 | 12/22/21 15:14 | µg/m$^3$ | ND | 2.01 | Indeno(1,2,3-c,d)pyrene |
| SAM1 | 12/20/21 08:01 | 12/22/21 15:14 | µg/m$^3$ | ND | 2.01 | Dibenz(a,h)anthracene |
| SAM1 | 12/20/21 08:01 | 12/22/21 15:14 | µg/m$^3$ | ND | 2.01 | Benzo(g,h,i)perylene |
| SAM2 | 12/20/21 07:35 | 12/22/21 11:34 | µg/m$^3$ | ND | 2.02 | Naphthalene |
| SAM2 | 12/20/21 07:35 | 12/22/21 11:34 | µg/m$^3$ | ND | 2.02 | 2-Methylnaphthalene |
| SAM2 | 12/20/21 07:35 | 12/22/21 11:34 | µg/m$^3$ | ND | 2.02 | 2-Chloronaphthalene |
| SAM2 | 12/20/21 07:35 | 12/22/21 11:34 | µg/m$^3$ | ND | 2.02 | Acenaphthylene |
| SAM2 | 12/20/21 07:35 | 12/22/21 11:34 | µg/m$^3$ | ND | 2.02 | Acenaphthene |
| SAM2 | 12/20/21 07:35 | 12/22/21 11:34 | µg/m$^3$ | ND | 2.02 | Fluorene |
| SAM2 | 12/20/21 07:35 | 12/22/21 11:34 | µg/m$^3$ | ND | 2.02 | PheNDthrene |
| SAM2 | 12/20/21 07:35 | 12/22/21 11:34 | µg/m$^3$ | ND | 2.02 | Anthracene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM2 | 12/20/21 07:35 | 12/22/21 11:34 | µg/m$^3$ | ND | 2.02 | Fluoranthene |
| SAM2 | 12/20/21 07:35 | 12/22/21 11:34 | µg/m$^3$ | ND | 2.02 | Pyrene |
| SAM2 | 12/20/21 07:35 | 12/22/21 11:34 | µg/m$^3$ | ND | 2.02 | Chrysene |
| SAM2 | 12/20/21 07:35 | 12/22/21 11:34 | µg/m$^3$ | ND | 2.02 | Benzo(a)anthracene |
| SAM2 | 12/20/21 07:35 | 12/22/21 11:34 | µg/m$^3$ | ND | 2.02 | Benzo(b)fluoranthene |
| SAM2 | 12/20/21 07:35 | 12/22/21 11:34 | µg/m$^3$ | ND | 2.02 | Benzo(k)fluoranthene |
| SAM2 | 12/20/21 07:35 | 12/22/21 11:34 | µg/m$^3$ | ND | 2.02 | Benzo(a)pyrene |
| SAM2 | 12/20/21 07:35 | 12/22/21 11:34 | µg/m$^3$ | ND | 2.02 | Indeno(1,2,3-c,d)pyrene |
| SAM2 | 12/20/21 07:35 | 12/22/21 11:34 | µg/m$^3$ | ND | 2.02 | Dibenz(a,h)anthracene |
| SAM2 | 12/20/21 07:35 | 12/22/21 11:34 | µg/m$^3$ | ND | 2.02 | Benzo(g,h,i)perylene |
| SAM3 | 12/20/21 07:42 | 12/22/21 12:17 | µg/m$^3$ | ND | 2.03 | Naphthalene |
| SAM3 | 12/20/21 07:42 | 12/22/21 12:17 | µg/m$^3$ | ND | 2.03 | 2-Methylnaphthalene |
| SAM3 | 12/20/21 07:42 | 12/22/21 12:17 | µg/m$^3$ | ND | 2.03 | 2-Chloronaphthalene |
| SAM3 | 12/20/21 07:42 | 12/22/21 12:17 | µg/m$^3$ | ND | 2.03 | Acenaphthylene |
| SAM3 | 12/20/21 07:42 | 12/22/21 12:17 | µg/m$^3$ | ND | 2.03 | Acenaphthene |
| SAM3 | 12/20/21 07:42 | 12/22/21 12:17 | µg/m$^3$ | ND | 2.03 | Fluorene |
| SAM3 | 12/20/21 07:42 | 12/22/21 12:17 | µg/m$^3$ | ND | 2.03 | PheNDthrene |
| SAM3 | 12/20/21 07:42 | 12/22/21 12:17 | µg/m$^3$ | ND | 2.03 | Anthracene |
| SAM3 | 12/20/21 07:42 | 12/22/21 12:17 | µg/m$^3$ | ND | 2.03 | Fluoranthene |
| SAM3 | 12/20/21 07:42 | 12/22/21 12:17 | µg/m$^3$ | ND | 2.03 | Pyrene |
| SAM3 | 12/20/21 07:42 | 12/22/21 12:17 | µg/m$^3$ | ND | 2.03 | Chrysene |
| SAM3 | 12/20/21 07:42 | 12/22/21 12:17 | µg/m$^3$ | ND | 2.03 | Benzo(a)anthracene |
| SAM3 | 12/20/21 07:42 | 12/22/21 12:17 | µg/m$^3$ | ND | 2.03 | Benzo(b)fluoranthene |
| SAM3 | 12/20/21 07:42 | 12/22/21 12:17 | µg/m$^3$ | ND | 2.03 | Benzo(k)fluoranthene |
| SAM3 | 12/20/21 07:42 | 12/22/21 12:17 | µg/m$^3$ | ND | 2.03 | Benzo(a)pyrene |
| SAM3 | 12/20/21 07:42 | 12/22/21 12:17 | µg/m$^3$ | ND | 2.03 | Indeno(1,2,3-c,d)pyrene |
| SAM3 | 12/20/21 07:42 | 12/22/21 12:17 | µg/m$^3$ | ND | 2.03 | Dibenz(a,h)anthracene |
| SAM3 | 12/20/21 07:42 | 12/22/21 12:17 | µg/m$^3$ | ND | 2.03 | Benzo(g,h,i)perylene |
| SAM4 | 12/20/21 07:25 | 12/22/21 12:02 | µg/m$^3$ | ND | 2.04 | Naphthalene |
| SAM4 | 12/20/21 07:25 | 12/22/21 12:02 | µg/m$^3$ | ND | 2.04 | 2-Methylnaphthalene |
| SAM4 | 12/20/21 07:25 | 12/22/21 12:02 | µg/m$^3$ | ND | 2.04 | 2-Chloronaphthalene |
| SAM4 | 12/20/21 07:25 | 12/22/21 12:02 | µg/m$^3$ | ND | 2.04 | Acenaphthylene |
| SAM4 | 12/20/21 07:25 | 12/22/21 12:02 | µg/m$^3$ | ND | 2.04 | Acenaphthene |
| SAM4 | 12/20/21 07:25 | 12/22/21 12:02 | µg/m$^3$ | ND | 2.04 | Fluorene |
| SAM4 | 12/20/21 07:25 | 12/22/21 12:02 | µg/m$^3$ | ND | 2.04 | PheNDthrene |
| SAM4 | 12/20/21 07:25 | 12/22/21 12:02 | µg/m$^3$ | ND | 2.04 | Anthracene |
| SAM4 | 12/20/21 07:25 | 12/22/21 12:02 | µg/m$^3$ | ND | 2.04 | Fluoranthene |
| SAM4 | 12/20/21 07:25 | 12/22/21 12:02 | µg/m$^3$ | ND | 2.04 | Pyrene |
| SAM4 | 12/20/21 07:25 | 12/22/21 12:02 | µg/m$^3$ | ND | 2.04 | Chrysene |
| SAM4 | 12/20/21 07:25 | 12/22/21 12:02 | µg/m$^3$ | ND | 2.04 | Benzo(a)anthracene |
| SAM4 | 12/20/21 07:25 | 12/22/21 12:02 | µg/m$^3$ | ND | 2.04 | Benzo(b)fluoranthene |
| SAM4 | 12/20/21 07:25 | 12/22/21 12:02 | µg/m$^3$ | ND | 2.04 | Benzo(k)fluoranthene |
| SAM4 | 12/20/21 07:25 | 12/22/21 12:02 | µg/m$^3$ | ND | 2.04 | Benzo(a)pyrene |
| SAM4 | 12/20/21 07:25 | 12/22/21 12:02 | µg/m$^3$ | ND | 2.04 | Indeno(1,2,3-c,d)pyrene |
| SAM4 | 12/20/21 07:25 | 12/22/21 12:02 | µg/m$^3$ | ND | 2.04 | Dibenz(a,h)anthracene |
| SAM4 | 12/20/21 07:25 | 12/22/21 12:02 | µg/m$^3$ | ND | 2.04 | Benzo(g,h,i)perylene |
| SAM5 | 12/20/21 10:08 | 12/22/21 12:09 | µg/m$^3$ | ND | 2.03 | Naphthalene |
| SAM5 | 12/20/21 10:08 | 12/22/21 12:09 | µg/m$^3$ | ND | 2.03 | 2-Methylnaphthalene |
| SAM5 | 12/20/21 10:08 | 12/22/21 12:09 | µg/m$^3$ | ND | 2.03 | 2-Chloronaphthalene |
| SAM5 | 12/20/21 10:08 | 12/22/21 12:09 | µg/m$^3$ | ND | 2.03 | Acenaphthylene |
| SAM5 | 12/20/21 10:08 | 12/22/21 12:09 | µg/m$^3$ | ND | 2.03 | Acenaphthene |
| SAM5 | 12/20/21 10:08 | 12/22/21 12:09 | µg/m$^3$ | ND | 2.03 | Fluorene |
| SAM5 | 12/20/21 10:08 | 12/22/21 12:09 | µg/m$^3$ | ND | 2.03 | PheNDthrene |
| SAM5 | 12/20/21 10:08 | 12/22/21 12:09 | µg/m$^3$ | ND | 2.03 | Anthracene |
| SAM5 | 12/20/21 10:08 | 12/22/21 12:09 | µg/m$^3$ | ND | 2.03 | Fluoranthene |
| SAM5 | 12/20/21 10:08 | 12/22/21 12:09 | µg/m$^3$ | ND | 2.03 | Pyrene |
| SAM5 | 12/20/21 10:08 | 12/22/21 12:09 | µg/m$^3$ | ND | 2.03 | Chrysene |
| SAM5 | 12/20/21 10:08 | 12/22/21 12:09 | µg/m$^3$ | ND | 2.03 | Benzo(a)anthracene |
| SAM5 | 12/20/21 10:08 | 12/22/21 12:09 | µg/m$^3$ | ND | 2.03 | Benzo(b)fluoranthene |
| SAM5 | 12/20/21 10:08 | 12/22/21 12:09 | µg/m$^3$ | ND | 2.03 | Benzo(k)fluoranthene |
| SAM5 | 12/20/21 10:08 | 12/22/21 12:09 | µg/m$^3$ | ND | 2.03 | Benzo(a)pyrene |
| SAM5 | 12/20/21 10:08 | 12/22/21 12:09 | µg/m$^3$ | ND | 2.03 | Indeno(1,2,3-c,d)pyrene |
| SAM5 | 12/20/21 10:08 | 12/22/21 12:09 | µg/m$^3$ | ND | 2.03 | Dibenz(a,h)anthracene |
| SAM5 | 12/20/21 10:08 | 12/22/21 12:09 | µg/m$^3$ | ND | 2.03 | Benzo(g,h,i)perylene |
| SAM1 | 12/22/21 11:56 | 12/23/21 12:35 | µg/m$^3$ | ND | 2.01 | Naphthalene |
| SAM1 | 12/22/21 11:56 | 12/23/21 12:35 | µg/m$^3$ | ND | 2.01 | 2-Methylnaphthalene |
| SAM1 | 12/22/21 11:56 | 12/23/21 12:35 | µg/m$^3$ | ND | 2.01 | 2-Chloronaphthalene |
| SAM1 | 12/22/21 11:56 | 12/23/21 12:35 | µg/m$^3$ | ND | 2.01 | Acenaphthylene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM1 | 12/22/21 11:56 | 12/23/21 12:35 | µg/m$^3$ | ND | 2.01 | Acenaphthene |
| SAM1 | 12/22/21 11:56 | 12/23/21 12:35 | µg/m$^3$ | ND | 2.01 | Fluorene |
| SAM1 | 12/22/21 11:56 | 12/23/21 12:35 | µg/m$^3$ | ND | 2.01 | PheNDthrene |
| SAM1 | 12/22/21 11:56 | 12/23/21 12:35 | µg/m$^3$ | ND | 2.01 | Anthracene |
| SAM1 | 12/22/21 11:56 | 12/23/21 12:35 | µg/m$^3$ | ND | 2.01 | Fluoranthene |
| SAM1 | 12/22/21 11:56 | 12/23/21 12:35 | µg/m$^3$ | ND | 2.01 | Pyrene |
| SAM1 | 12/22/21 11:56 | 12/23/21 12:35 | µg/m$^3$ | ND | 2.01 | Chrysene |
| SAM1 | 12/22/21 11:56 | 12/23/21 12:35 | µg/m$^3$ | ND | 2.01 | Benzo(a)anthracene |
| SAM1 | 12/22/21 11:56 | 12/23/21 12:35 | µg/m$^3$ | ND | 2.01 | Benzo(b)fluoranthene |
| SAM1 | 12/22/21 11:56 | 12/23/21 12:35 | µg/m$^3$ | ND | 2.01 | Benzo(k)fluoranthene |
| SAM1 | 12/22/21 11:56 | 12/23/21 12:35 | µg/m$^3$ | ND | 2.01 | Benzo(a)pyrene |
| SAM1 | 12/22/21 11:56 | 12/23/21 12:35 | µg/m$^3$ | ND | 2.01 | Indeno(1,2,3-c,d)pyrene |
| SAM1 | 12/22/21 11:56 | 12/23/21 12:35 | µg/m$^3$ | ND | 2.01 | Dibenz(a,h)anthracene |
| SAM1 | 12/22/21 11:56 | 12/23/21 12:35 | µg/m$^3$ | ND | 2.01 | Benzo(g,h,i)perylene |
| SAM2 | 12/22/21 11:36 | 12/23/21 12:40 | µg/m$^3$ | ND | 2.02 | Naphthalene |
| SAM2 | 12/22/21 11:36 | 12/23/21 12:40 | µg/m$^3$ | ND | 2.02 | 2-Methylnaphthalene |
| SAM2 | 12/22/21 11:36 | 12/23/21 12:40 | µg/m$^3$ | ND | 2.02 | 2-Chloronaphthalene |
| SAM2 | 12/22/21 11:36 | 12/23/21 12:40 | µg/m$^3$ | ND | 2.02 | Acenaphthylene |
| SAM2 | 12/22/21 11:36 | 12/23/21 12:40 | µg/m$^3$ | ND | 2.02 | Acenaphthene |
| SAM2 | 12/22/21 11:36 | 12/23/21 12:40 | µg/m$^3$ | ND | 2.02 | Fluorene |
| SAM2 | 12/22/21 11:36 | 12/23/21 12:40 | µg/m$^3$ | ND | 2.02 | PheNDthrene |
| SAM2 | 12/22/21 11:36 | 12/23/21 12:40 | µg/m$^3$ | ND | 2.02 | Anthracene |
| SAM2 | 12/22/21 11:36 | 12/23/21 12:40 | µg/m$^3$ | ND | 2.02 | Fluoranthene |
| SAM2 | 12/22/21 11:36 | 12/23/21 12:40 | µg/m$^3$ | ND | 2.02 | Pyrene |
| SAM2 | 12/22/21 11:36 | 12/23/21 12:40 | µg/m$^3$ | ND | 2.02 | Chrysene |
| SAM2 | 12/22/21 11:36 | 12/23/21 12:40 | µg/m$^3$ | ND | 2.02 | Benzo(a)anthracene |
| SAM2 | 12/22/21 11:36 | 12/23/21 12:40 | µg/m$^3$ | ND | 2.02 | Benzo(b)fluoranthene |
| SAM2 | 12/22/21 11:36 | 12/23/21 12:40 | µg/m$^3$ | ND | 2.02 | Benzo(k)fluoranthene |
| SAM2 | 12/22/21 11:36 | 12/23/21 12:40 | µg/m$^3$ | ND | 2.02 | Benzo(a)pyrene |
| SAM2 | 12/22/21 11:36 | 12/23/21 12:40 | µg/m$^3$ | ND | 2.02 | Indeno(1,2,3-c,d)pyrene |
| SAM2 | 12/22/21 11:36 | 12/23/21 12:40 | µg/m$^3$ | ND | 2.02 | Dibenz(a,h)anthracene |
| SAM2 | 12/22/21 11:36 | 12/23/21 12:40 | µg/m$^3$ | ND | 2.02 | Benzo(g,h,i)perylene |
| SAM3 | 12/22/21 12:18 | 12/23/21 12:45 | µg/m$^3$ | ND | 2.03 | Naphthalene |
| SAM3 | 12/22/21 12:18 | 12/23/21 12:45 | µg/m$^3$ | ND | 2.03 | 2-Methylnaphthalene |
| SAM3 | 12/22/21 12:18 | 12/23/21 12:45 | µg/m$^3$ | ND | 2.03 | 2-Chloronaphthalene |
| SAM3 | 12/22/21 12:18 | 12/23/21 12:45 | µg/m$^3$ | ND | 2.03 | Acenaphthylene |
| SAM3 | 12/22/21 12:18 | 12/23/21 12:45 | µg/m$^3$ | ND | 2.03 | Acenaphthene |
| SAM3 | 12/22/21 12:18 | 12/23/21 12:45 | µg/m$^3$ | ND | 2.03 | Fluorene |
| SAM3 | 12/22/21 12:18 | 12/23/21 12:45 | µg/m$^3$ | ND | 2.03 | PheNDthrene |
| SAM3 | 12/22/21 12:18 | 12/23/21 12:45 | µg/m$^3$ | ND | 2.03 | Anthracene |
| SAM3 | 12/22/21 12:18 | 12/23/21 12:45 | µg/m$^3$ | ND | 2.03 | Fluoranthene |
| SAM3 | 12/22/21 12:18 | 12/23/21 12:45 | µg/m$^3$ | ND | 2.03 | Pyrene |
| SAM3 | 12/22/21 12:18 | 12/23/21 12:45 | µg/m$^3$ | ND | 2.03 | Chrysene |
| SAM3 | 12/22/21 12:18 | 12/23/21 12:45 | µg/m$^3$ | ND | 2.03 | Benzo(a)anthracene |
| SAM3 | 12/22/21 12:18 | 12/23/21 12:45 | µg/m$^3$ | ND | 2.03 | Benzo(b)fluoranthene |
| SAM3 | 12/22/21 12:18 | 12/23/21 12:45 | µg/m$^3$ | ND | 2.03 | Benzo(k)fluoranthene |
| SAM3 | 12/22/21 12:18 | 12/23/21 12:45 | µg/m$^3$ | ND | 2.03 | Benzo(a)pyrene |
| SAM3 | 12/22/21 12:18 | 12/23/21 12:45 | µg/m$^3$ | ND | 2.03 | Indeno(1,2,3-c,d)pyrene |
| SAM3 | 12/22/21 12:18 | 12/23/21 12:45 | µg/m$^3$ | ND | 2.03 | Dibenz(a,h)anthracene |
| SAM3 | 12/22/21 12:18 | 12/23/21 12:45 | µg/m$^3$ | ND | 2.03 | Benzo(g,h,i)perylene |
| SAM4 | 12/22/21 12:12 | 12/23/21 12:30 | µg/m$^3$ | ND | 2.04 | Naphthalene |
| SAM4 | 12/22/21 12:12 | 12/23/21 12:30 | µg/m$^3$ | ND | 2.04 | 2-Methylnaphthalene |
| SAM4 | 12/22/21 12:12 | 12/23/21 12:30 | µg/m$^3$ | ND | 2.04 | 2-Chloronaphthalene |
| SAM4 | 12/22/21 12:12 | 12/23/21 12:30 | µg/m$^3$ | ND | 2.04 | Acenaphthylene |
| SAM4 | 12/22/21 12:12 | 12/23/21 12:30 | µg/m$^3$ | ND | 2.04 | Acenaphthene |
| SAM4 | 12/22/21 12:12 | 12/23/21 12:30 | µg/m$^3$ | ND | 2.04 | Fluorene |
| SAM4 | 12/22/21 12:12 | 12/23/21 12:30 | µg/m$^3$ | ND | 2.04 | PheNDthrene |
| SAM4 | 12/22/21 12:12 | 12/23/21 12:30 | µg/m$^3$ | ND | 2.04 | Anthracene |
| SAM4 | 12/22/21 12:12 | 12/23/21 12:30 | µg/m$^3$ | ND | 2.04 | Fluoranthene |
| SAM4 | 12/22/21 12:12 | 12/23/21 12:30 | µg/m$^3$ | ND | 2.04 | Pyrene |
| SAM4 | 12/22/21 12:12 | 12/23/21 12:30 | µg/m$^3$ | ND | 2.04 | Chrysene |
| SAM4 | 12/22/21 12:12 | 12/23/21 12:30 | µg/m$^3$ | ND | 2.04 | Benzo(a)anthracene |
| SAM4 | 12/22/21 12:12 | 12/23/21 12:30 | µg/m$^3$ | ND | 2.04 | Benzo(b)fluoranthene |
| SAM4 | 12/22/21 12:12 | 12/23/21 12:30 | µg/m$^3$ | ND | 2.04 | Benzo(k)fluoranthene |
| SAM4 | 12/22/21 12:12 | 12/23/21 12:30 | µg/m$^3$ | ND | 2.04 | Benzo(a)pyrene |
| SAM4 | 12/22/21 12:12 | 12/23/21 12:30 | µg/m$^3$ | ND | 2.04 | Indeno(1,2,3-c,d)pyrene |
| SAM4 | 12/22/21 12:12 | 12/23/21 12:30 | µg/m$^3$ | ND | 2.04 | Dibenz(a,h)anthracene |
| SAM4 | 12/22/21 12:12 | 12/23/21 12:30 | µg/m$^3$ | ND | 2.04 | Benzo(g,h,i)perylene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM5 | 12/22/21 12:06 | 12/23/21 12:28 | µg/m$^3$ | ND | 2.03 | Naphthalene |
| SAM5 | 12/22/21 12:06 | 12/23/21 12:28 | µg/m$^3$ | ND | 2.03 | 2-Methylnaphthalene |
| SAM5 | 12/22/21 12:06 | 12/23/21 12:28 | µg/m$^3$ | ND | 2.03 | 2-Chloronaphthalene |
| SAM5 | 12/22/21 12:06 | 12/23/21 12:28 | µg/m$^3$ | ND | 2.03 | Acenaphthylene |
| SAM5 | 12/22/21 12:06 | 12/23/21 12:28 | µg/m$^3$ | ND | 2.03 | Acenaphthene |
| SAM5 | 12/22/21 12:06 | 12/23/21 12:28 | µg/m$^3$ | ND | 2.03 | Fluorene |
| SAM5 | 12/22/21 12:06 | 12/23/21 12:28 | µg/m$^3$ | ND | 2.03 | PheNDthrene |
| SAM5 | 12/22/21 12:06 | 12/23/21 12:28 | µg/m$^3$ | ND | 2.03 | Anthracene |
| SAM5 | 12/22/21 12:06 | 12/23/21 12:28 | µg/m$^3$ | ND | 2.03 | Fluoranthene |
| SAM5 | 12/22/21 12:06 | 12/23/21 12:28 | µg/m$^3$ | ND | 2.03 | Pyrene |
| SAM5 | 12/22/21 12:06 | 12/23/21 12:28 | µg/m$^3$ | ND | 2.03 | Chrysene |
| SAM5 | 12/22/21 12:06 | 12/23/21 12:28 | µg/m$^3$ | ND | 2.03 | Benzo(a)anthracene |
| SAM5 | 12/22/21 12:06 | 12/23/21 12:28 | µg/m$^3$ | ND | 2.03 | Benzo(b)fluoranthene |
| SAM5 | 12/22/21 12:06 | 12/23/21 12:28 | µg/m$^3$ | ND | 2.03 | Benzo(k)fluoranthene |
| SAM5 | 12/22/21 12:06 | 12/23/21 12:28 | µg/m$^3$ | ND | 2.03 | Benzo(a)pyrene |
| SAM5 | 12/22/21 12:06 | 12/23/21 12:28 | µg/m$^3$ | ND | 2.03 | Indeno(1,2,3-c,d)pyrene |
| SAM5 | 12/22/21 12:06 | 12/23/21 12:28 | µg/m$^3$ | ND | 2.03 | Dibenz(a,h)anthracene |
| SAM5 | 12/22/21 12:06 | 12/23/21 12:28 | µg/m$^3$ | ND | 2.03 | Benzo(g,h,i)perylene |
| SAM1 | 12/27/21 08:40 | 12/29/21 08:31 | µg/m$^3$ | ND | 1.98 | Naphthalene |
| SAM1 | 12/27/21 08:40 | 12/29/21 08:31 | µg/m$^3$ | ND | 1.98 | 2-Methylnaphthalene |
| SAM1 | 12/27/21 08:40 | 12/29/21 08:31 | µg/m$^3$ | ND | 1.98 | 2-Chloronaphthalene |
| SAM1 | 12/27/21 08:40 | 12/29/21 08:31 | µg/m$^3$ | ND | 1.98 | Acenaphthylene |
| SAM1 | 12/27/21 08:40 | 12/29/21 08:31 | µg/m$^3$ | ND | 1.98 | Acenaphthene |
| SAM1 | 12/27/21 08:40 | 12/29/21 08:31 | µg/m$^3$ | ND | 1.98 | Fluorene |
| SAM1 | 12/27/21 08:40 | 12/29/21 08:31 | µg/m$^3$ | ND | 1.98 | PheNDthrene |
| SAM1 | 12/27/21 08:40 | 12/29/21 08:31 | µg/m$^3$ | ND | 1.98 | Anthracene |
| SAM1 | 12/27/21 08:40 | 12/29/21 08:31 | µg/m$^3$ | ND | 1.98 | Fluoranthene |
| SAM1 | 12/27/21 08:40 | 12/29/21 08:31 | µg/m$^3$ | ND | 1.98 | Pyrene |
| SAM1 | 12/27/21 08:40 | 12/29/21 08:31 | µg/m$^3$ | ND | 1.98 | Chrysene |
| SAM1 | 12/27/21 08:40 | 12/29/21 08:31 | µg/m$^3$ | ND | 1.98 | Benzo(a)anthracene |
| SAM1 | 12/27/21 08:40 | 12/29/21 08:31 | µg/m$^3$ | ND | 1.98 | Benzo(b)fluoranthene |
| SAM1 | 12/27/21 08:40 | 12/29/21 08:31 | µg/m$^3$ | ND | 1.98 | Benzo(k)fluoranthene |
| SAM1 | 12/27/21 08:40 | 12/29/21 08:31 | µg/m$^3$ | ND | 1.98 | Benzo(a)pyrene |
| SAM1 | 12/27/21 08:40 | 12/29/21 08:31 | µg/m$^3$ | ND | 1.98 | Indeno(1,2,3-c,d)pyrene |
| SAM1 | 12/27/21 08:40 | 12/29/21 08:31 | µg/m$^3$ | ND | 1.98 | Dibenz(a,h)anthracene |
| SAM1 | 12/27/21 08:40 | 12/29/21 08:31 | µg/m$^3$ | ND | 1.98 | Benzo(g,h,i)perylene |
| SAM2 | 12/27/21 09:28 | 12/29/21 09:09 | µg/m$^3$ | ND | 1.97 | Naphthalene |
| SAM2 | 12/27/21 09:28 | 12/29/21 09:09 | µg/m$^3$ | ND | 1.97 | 2-Methylnaphthalene |
| SAM2 | 12/27/21 09:28 | 12/29/21 09:09 | µg/m$^3$ | ND | 1.97 | 2-Chloronaphthalene |
| SAM2 | 12/27/21 09:28 | 12/29/21 09:09 | µg/m$^3$ | ND | 1.97 | Acenaphthylene |
| SAM2 | 12/27/21 09:28 | 12/29/21 09:09 | µg/m$^3$ | ND | 1.97 | Acenaphthene |
| SAM2 | 12/27/21 09:28 | 12/29/21 09:09 | µg/m$^3$ | ND | 1.97 | Fluorene |
| SAM2 | 12/27/21 09:28 | 12/29/21 09:09 | µg/m$^3$ | ND | 1.97 | PheNDthrene |
| SAM2 | 12/27/21 09:28 | 12/29/21 09:09 | µg/m$^3$ | ND | 1.97 | Anthracene |
| SAM2 | 12/27/21 09:28 | 12/29/21 09:09 | µg/m$^3$ | ND | 1.97 | Fluoranthene |
| SAM2 | 12/27/21 09:28 | 12/29/21 09:09 | µg/m$^3$ | ND | 1.97 | Pyrene |
| SAM2 | 12/27/21 09:28 | 12/29/21 09:09 | µg/m$^3$ | ND | 1.97 | Chrysene |
| SAM2 | 12/27/21 09:28 | 12/29/21 09:09 | µg/m$^3$ | ND | 1.97 | Benzo(a)anthracene |
| SAM2 | 12/27/21 09:28 | 12/29/21 09:09 | µg/m$^3$ | ND | 1.97 | Benzo(b)fluoranthene |
| SAM2 | 12/27/21 09:28 | 12/29/21 09:09 | µg/m$^3$ | ND | 1.97 | Benzo(k)fluoranthene |
| SAM2 | 12/27/21 09:28 | 12/29/21 09:09 | µg/m$^3$ | ND | 1.97 | Benzo(a)pyrene |
| SAM2 | 12/27/21 09:28 | 12/29/21 09:09 | µg/m$^3$ | ND | 1.97 | Indeno(1,2,3-c,d)pyrene |
| SAM2 | 12/27/21 09:28 | 12/29/21 09:09 | µg/m$^3$ | ND | 1.97 | Dibenz(a,h)anthracene |
| SAM2 | 12/27/21 09:28 | 12/29/21 09:09 | µg/m$^3$ | ND | 1.97 | Benzo(g,h,i)perylene |
| SAM3 | 12/27/21 08:35 | 12/29/21 08:22 | µg/m$^3$ | ND | 2.01 | Naphthalene |
| SAM3 | 12/27/21 08:35 | 12/29/21 08:22 | µg/m$^3$ | ND | 2.01 | 2-Methylnaphthalene |
| SAM3 | 12/27/21 08:35 | 12/29/21 08:22 | µg/m$^3$ | ND | 2.01 | 2-Chloronaphthalene |
| SAM3 | 12/27/21 08:35 | 12/29/21 08:22 | µg/m$^3$ | ND | 2.01 | Acenaphthylene |
| SAM3 | 12/27/21 08:35 | 12/29/21 08:22 | µg/m$^3$ | ND | 2.01 | Acenaphthene |
| SAM3 | 12/27/21 08:35 | 12/29/21 08:22 | µg/m$^3$ | ND | 2.01 | Fluorene |
| SAM3 | 12/27/21 08:35 | 12/29/21 08:22 | µg/m$^3$ | ND | 2.01 | PheNDthrene |
| SAM3 | 12/27/21 08:35 | 12/29/21 08:22 | µg/m$^3$ | ND | 2.01 | Anthracene |
| SAM3 | 12/27/21 08:35 | 12/29/21 08:22 | µg/m$^3$ | ND | 2.01 | Fluoranthene |
| SAM3 | 12/27/21 08:35 | 12/29/21 08:22 | µg/m$^3$ | ND | 2.01 | Pyrene |
| SAM3 | 12/27/21 08:35 | 12/29/21 08:22 | µg/m$^3$ | ND | 2.01 | Chrysene |
| SAM3 | 12/27/21 08:35 | 12/29/21 08:22 | µg/m$^3$ | ND | 2.01 | Benzo(a)anthracene |
| SAM3 | 12/27/21 08:35 | 12/29/21 08:22 | µg/m$^3$ | ND | 2.01 | Benzo(b)fluoranthene |
| SAM3 | 12/27/21 08:35 | 12/29/21 08:22 | µg/m$^3$ | ND | 2.01 | Benzo(k)fluoranthene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM3 | 12/27/21 08:35 | 12/29/21 08:22 | µg/m$^3$ | ND | 2.01 | Benzo(a)pyrene |
| SAM3 | 12/27/21 08:35 | 12/29/21 08:22 | µg/m$^3$ | ND | 2.01 | Indeno(1,2,3-c,d)pyrene |
| SAM3 | 12/27/21 08:35 | 12/29/21 08:22 | µg/m$^3$ | ND | 2.01 | Dibenz(a,h)anthracene |
| SAM3 | 12/27/21 08:35 | 12/29/21 08:22 | µg/m$^3$ | ND | 2.01 | Benzo(g,h,i)perylene |
| SAM4 | 12/27/21 09:21 | 12/29/21 08:58 | µg/m$^3$ | ND | 2.05 | Naphthalene |
| SAM4 | 12/27/21 09:21 | 12/29/21 08:58 | µg/m$^3$ | ND | 2.05 | 2-Methylnaphthalene |
| SAM4 | 12/27/21 09:21 | 12/29/21 08:58 | µg/m$^3$ | ND | 2.05 | 2-Chloronaphthalene |
| SAM4 | 12/27/21 09:21 | 12/29/21 08:58 | µg/m$^3$ | ND | 2.05 | Acenaphthylene |
| SAM4 | 12/27/21 09:21 | 12/29/21 08:58 | µg/m$^3$ | ND | 2.05 | Acenaphthene |
| SAM4 | 12/27/21 09:21 | 12/29/21 08:58 | µg/m$^3$ | ND | 2.05 | Fluorene |
| SAM4 | 12/27/21 09:21 | 12/29/21 08:58 | µg/m$^3$ | ND | 2.05 | PheNDthrene |
| SAM4 | 12/27/21 09:21 | 12/29/21 08:58 | µg/m$^3$ | ND | 2.05 | Anthracene |
| SAM4 | 12/27/21 09:21 | 12/29/21 08:58 | µg/m$^3$ | ND | 2.05 | Fluoranthene |
| SAM4 | 12/27/21 09:21 | 12/29/21 08:58 | µg/m$^3$ | ND | 2.05 | Pyrene |
| SAM4 | 12/27/21 09:21 | 12/29/21 08:58 | µg/m$^3$ | ND | 2.05 | Chrysene |
| SAM4 | 12/27/21 09:21 | 12/29/21 08:58 | µg/m$^3$ | ND | 2.05 | Benzo(a)anthracene |
| SAM4 | 12/27/21 09:21 | 12/29/21 08:58 | µg/m$^3$ | ND | 2.05 | Benzo(b)fluoranthene |
| SAM4 | 12/27/21 09:21 | 12/29/21 08:58 | µg/m$^3$ | ND | 2.05 | Benzo(k)fluoranthene |
| SAM4 | 12/27/21 09:21 | 12/29/21 08:58 | µg/m$^3$ | ND | 2.05 | Benzo(a)pyrene |
| SAM4 | 12/27/21 09:21 | 12/29/21 08:58 | µg/m$^3$ | ND | 2.05 | Indeno(1,2,3-c,d)pyrene |
| SAM4 | 12/27/21 09:21 | 12/29/21 08:58 | µg/m$^3$ | ND | 2.05 | Dibenz(a,h)anthracene |
| SAM4 | 12/27/21 09:21 | 12/29/21 08:58 | µg/m$^3$ | ND | 2.05 | Benzo(g,h,i)perylene |
| SAM5 | 12/27/21 08:52 | 12/29/21 08:45 | µg/m$^3$ | ND | 2.03 | Naphthalene |
| SAM5 | 12/27/21 08:52 | 12/29/21 08:45 | µg/m$^3$ | ND | 2.03 | 2-Methylnaphthalene |
| SAM5 | 12/27/21 08:52 | 12/29/21 08:45 | µg/m$^3$ | ND | 2.03 | 2-Chloronaphthalene |
| SAM5 | 12/27/21 08:52 | 12/29/21 08:45 | µg/m$^3$ | ND | 2.03 | Acenaphthylene |
| SAM5 | 12/27/21 08:52 | 12/29/21 08:45 | µg/m$^3$ | ND | 2.03 | Acenaphthene |
| SAM5 | 12/27/21 08:52 | 12/29/21 08:45 | µg/m$^3$ | ND | 2.03 | Fluorene |
| SAM5 | 12/27/21 08:52 | 12/29/21 08:45 | µg/m$^3$ | ND | 2.03 | PheNDthrene |
| SAM5 | 12/27/21 08:52 | 12/29/21 08:45 | µg/m$^3$ | ND | 2.03 | Anthracene |
| SAM5 | 12/27/21 08:52 | 12/29/21 08:45 | µg/m$^3$ | ND | 2.03 | Fluoranthene |
| SAM5 | 12/27/21 08:52 | 12/29/21 08:45 | µg/m$^3$ | ND | 2.03 | Pyrene |
| SAM5 | 12/27/21 08:52 | 12/29/21 08:45 | µg/m$^3$ | ND | 2.03 | Chrysene |
| SAM5 | 12/27/21 08:52 | 12/29/21 08:45 | µg/m$^3$ | ND | 2.03 | Benzo(a)anthracene |
| SAM5 | 12/27/21 08:52 | 12/29/21 08:45 | µg/m$^3$ | ND | 2.03 | Benzo(b)fluoranthene |
| SAM5 | 12/27/21 08:52 | 12/29/21 08:45 | µg/m$^3$ | ND | 2.03 | Benzo(k)fluoranthene |
| SAM5 | 12/27/21 08:52 | 12/29/21 08:45 | µg/m$^3$ | ND | 2.03 | Benzo(a)pyrene |
| SAM5 | 12/27/21 08:52 | 12/29/21 08:45 | µg/m$^3$ | ND | 2.03 | Indeno(1,2,3-c,d)pyrene |
| SAM5 | 12/27/21 08:52 | 12/29/21 08:45 | µg/m$^3$ | ND | 2.03 | Dibenz(a,h)anthracene |
| SAM5 | 12/27/21 08:52 | 12/29/21 08:45 | µg/m$^3$ | ND | 2.03 | Benzo(g,h,i)perylene |
| SAM1 | 12/29/21 08:35 | 12/30/21 15:37 | µg/m$^3$ | ND | 2.04 | Naphthalene |
| SAM1 | 12/29/21 08:35 | 12/30/21 15:37 | µg/m$^3$ | ND | 2.04 | 2-Methylnaphthalene |
| SAM1 | 12/29/21 08:35 | 12/30/21 15:37 | µg/m$^3$ | ND | 2.04 | 2-Chloronaphthalene |
| SAM1 | 12/29/21 08:35 | 12/30/21 15:37 | µg/m$^3$ | ND | 2.04 | Acenaphthylene |
| SAM1 | 12/29/21 08:35 | 12/30/21 15:37 | µg/m$^3$ | ND | 2.04 | Acenaphthene |
| SAM1 | 12/29/21 08:35 | 12/30/21 15:37 | µg/m$^3$ | ND | 2.04 | Fluorene |
| SAM1 | 12/29/21 08:35 | 12/30/21 15:37 | µg/m$^3$ | ND | 2.04 | PheNDthrene |
| SAM1 | 12/29/21 08:35 | 12/30/21 15:37 | µg/m$^3$ | ND | 2.04 | Anthracene |
| SAM1 | 12/29/21 08:35 | 12/30/21 15:37 | µg/m$^3$ | ND | 2.04 | Fluoranthene |
| SAM1 | 12/29/21 08:35 | 12/30/21 15:37 | µg/m$^3$ | ND | 2.04 | Pyrene |
| SAM1 | 12/29/21 08:35 | 12/30/21 15:37 | µg/m$^3$ | ND | 2.04 | Chrysene |
| SAM1 | 12/29/21 08:35 | 12/30/21 15:37 | µg/m$^3$ | ND | 2.04 | Benzo(a)anthracene |
| SAM1 | 12/29/21 08:35 | 12/30/21 15:37 | µg/m$^3$ | ND | 2.04 | Benzo(b)fluoranthene |
| SAM1 | 12/29/21 08:35 | 12/30/21 15:37 | µg/m$^3$ | ND | 2.04 | Benzo(k)fluoranthene |
| SAM1 | 12/29/21 08:35 | 12/30/21 15:37 | µg/m$^3$ | ND | 2.04 | Benzo(a)pyrene |
| SAM1 | 12/29/21 08:35 | 12/30/21 15:37 | µg/m$^3$ | ND | 2.04 | Indeno(1,2,3-c,d)pyrene |
| SAM1 | 12/29/21 08:35 | 12/30/21 15:37 | µg/m$^3$ | ND | 2.04 | Dibenz(a,h)anthracene |
| SAM1 | 12/29/21 08:35 | 12/30/21 15:37 | µg/m$^3$ | ND | 2.04 | Benzo(g,h,i)perylene |
| SAM2 | 12/29/21 09:14 | 12/30/21 15:30 | µg/m$^3$ | ND | 1.97 | Naphthalene |
| SAM2 | 12/29/21 09:14 | 12/30/21 15:30 | µg/m$^3$ | ND | 1.97 | 2-Methylnaphthalene |
| SAM2 | 12/29/21 09:14 | 12/30/21 15:30 | µg/m$^3$ | ND | 1.97 | 2-Chloronaphthalene |
| SAM2 | 12/29/21 09:14 | 12/30/21 15:30 | µg/m$^3$ | ND | 1.97 | Acenaphthylene |
| SAM2 | 12/29/21 09:14 | 12/30/21 15:30 | µg/m$^3$ | ND | 1.97 | Acenaphthene |
| SAM2 | 12/29/21 09:14 | 12/30/21 15:30 | µg/m$^3$ | ND | 1.97 | Fluorene |
| SAM2 | 12/29/21 09:14 | 12/30/21 15:30 | µg/m$^3$ | ND | 1.97 | PheNDthrene |
| SAM2 | 12/29/21 09:14 | 12/30/21 15:30 | µg/m$^3$ | ND | 1.97 | Anthracene |
| SAM2 | 12/29/21 09:14 | 12/30/21 15:30 | µg/m$^3$ | ND | 1.97 | Fluoranthene |
| SAM2 | 12/29/21 09:14 | 12/30/21 15:30 | µg/m$^3$ | ND | 1.97 | Pyrene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM2 | 12/29/21 09:14 | 12/30/21 15:30 | µg/m$^3$ | ND | 1.97 | Chrysene |
| SAM2 | 12/29/21 09:14 | 12/30/21 15:30 | µg/m$^3$ | ND | 1.97 | Benzo(a)anthracene |
| SAM2 | 12/29/21 09:14 | 12/30/21 15:30 | µg/m$^3$ | ND | 1.97 | Benzo(b)fluoranthene |
| SAM2 | 12/29/21 09:14 | 12/30/21 15:30 | µg/m$^3$ | ND | 1.97 | Benzo(k)fluoranthene |
| SAM2 | 12/29/21 09:14 | 12/30/21 15:30 | µg/m$^3$ | ND | 1.97 | Benzo(a)pyrene |
| SAM2 | 12/29/21 09:14 | 12/30/21 15:30 | µg/m$^3$ | ND | 1.97 | Indeno(1,2,3-c,d)pyrene |
| SAM2 | 12/29/21 09:14 | 12/30/21 15:30 | µg/m$^3$ | ND | 1.97 | Dibenz(a,h)anthracene |
| SAM2 | 12/29/21 09:14 | 12/30/21 15:30 | µg/m$^3$ | ND | 1.97 | Benzo(g,h,i)perylene |
| SAM3 | 12/29/21 08:27 | 12/30/21 15:34 | µg/m$^3$ | ND | 1.98 | Naphthalene |
| SAM3 | 12/29/21 08:27 | 12/30/21 15:34 | µg/m$^3$ | ND | 1.98 | 2-Methylnaphthalene |
| SAM3 | 12/29/21 08:27 | 12/30/21 15:34 | µg/m$^3$ | ND | 1.98 | 2-Chloronaphthalene |
| SAM3 | 12/29/21 08:27 | 12/30/21 15:34 | µg/m$^3$ | ND | 1.98 | Acenaphthylene |
| SAM3 | 12/29/21 08:27 | 12/30/21 15:34 | µg/m$^3$ | ND | 1.98 | Acenaphthene |
| SAM3 | 12/29/21 08:27 | 12/30/21 15:34 | µg/m$^3$ | ND | 1.98 | Fluorene |
| SAM3 | 12/29/21 08:27 | 12/30/21 15:34 | µg/m$^3$ | ND | 1.98 | PheNDthrene |
| SAM3 | 12/29/21 08:27 | 12/30/21 15:34 | µg/m$^3$ | ND | 1.98 | Anthracene |
| SAM3 | 12/29/21 08:27 | 12/30/21 15:34 | µg/m$^3$ | ND | 1.98 | Fluoranthene |
| SAM3 | 12/29/21 08:27 | 12/30/21 15:34 | µg/m$^3$ | ND | 1.98 | Pyrene |
| SAM3 | 12/29/21 08:27 | 12/30/21 15:34 | µg/m$^3$ | ND | 1.98 | Chrysene |
| SAM3 | 12/29/21 08:27 | 12/30/21 15:34 | µg/m$^3$ | ND | 1.98 | Benzo(a)anthracene |
| SAM3 | 12/29/21 08:27 | 12/30/21 15:34 | µg/m$^3$ | ND | 1.98 | Benzo(b)fluoranthene |
| SAM3 | 12/29/21 08:27 | 12/30/21 15:34 | µg/m$^3$ | ND | 1.98 | Benzo(k)fluoranthene |
| SAM3 | 12/29/21 08:27 | 12/30/21 15:34 | µg/m$^3$ | ND | 1.98 | Benzo(a)pyrene |
| SAM3 | 12/29/21 08:27 | 12/30/21 15:34 | µg/m$^3$ | ND | 1.98 | Indeno(1,2,3-c,d)pyrene |
| SAM3 | 12/29/21 08:27 | 12/30/21 15:34 | µg/m$^3$ | ND | 1.98 | Dibenz(a,h)anthracene |
| SAM3 | 12/29/21 08:27 | 12/30/21 15:34 | µg/m$^3$ | ND | 1.98 | Benzo(g,h,i)perylene |
| SAM4 | 12/29/21 09:03 | 12/30/21 15:45 | µg/m$^3$ | ND | 1.97 | Naphthalene |
| SAM4 | 12/29/21 09:03 | 12/30/21 15:45 | µg/m$^3$ | ND | 1.97 | 2-Methylnaphthalene |
| SAM4 | 12/29/21 09:03 | 12/30/21 15:45 | µg/m$^3$ | ND | 1.97 | 2-Chloronaphthalene |
| SAM4 | 12/29/21 09:03 | 12/30/21 15:45 | µg/m$^3$ | ND | 1.97 | Acenaphthylene |
| SAM4 | 12/29/21 09:03 | 12/30/21 15:45 | µg/m$^3$ | ND | 1.97 | Acenaphthene |
| SAM4 | 12/29/21 09:03 | 12/30/21 15:45 | µg/m$^3$ | ND | 1.97 | Fluorene |
| SAM4 | 12/29/21 09:03 | 12/30/21 15:45 | µg/m$^3$ | ND | 1.97 | PheNDthrene |
| SAM4 | 12/29/21 09:03 | 12/30/21 15:45 | µg/m$^3$ | ND | 1.97 | Anthracene |
| SAM4 | 12/29/21 09:03 | 12/30/21 15:45 | µg/m$^3$ | ND | 1.97 | Fluoranthene |
| SAM4 | 12/29/21 09:03 | 12/30/21 15:45 | µg/m$^3$ | ND | 1.97 | Pyrene |
| SAM4 | 12/29/21 09:03 | 12/30/21 15:45 | µg/m$^3$ | ND | 1.97 | Chrysene |
| SAM4 | 12/29/21 09:03 | 12/30/21 15:45 | µg/m$^3$ | ND | 1.97 | Benzo(a)anthracene |
| SAM4 | 12/29/21 09:03 | 12/30/21 15:45 | µg/m$^3$ | ND | 1.97 | Benzo(b)fluoranthene |
| SAM4 | 12/29/21 09:03 | 12/30/21 15:45 | µg/m$^3$ | ND | 1.97 | Benzo(k)fluoranthene |
| SAM4 | 12/29/21 09:03 | 12/30/21 15:45 | µg/m$^3$ | ND | 1.97 | Benzo(a)pyrene |
| SAM4 | 12/29/21 09:03 | 12/30/21 15:45 | µg/m$^3$ | ND | 1.97 | Indeno(1,2,3-c,d)pyrene |
| SAM4 | 12/29/21 09:03 | 12/30/21 15:45 | µg/m$^3$ | ND | 1.97 | Dibenz(a,h)anthracene |
| SAM4 | 12/29/21 09:03 | 12/30/21 15:45 | µg/m$^3$ | ND | 1.97 | Benzo(g,h,i)perylene |
| SAM5 | 12/29/21 08:50 | 12/30/21 15:40 | µg/m$^3$ | ND | 1.98 | Naphthalene |
| SAM5 | 12/29/21 08:50 | 12/30/21 15:40 | µg/m$^3$ | ND | 1.98 | 2-Methylnaphthalene |
| SAM5 | 12/29/21 08:50 | 12/30/21 15:40 | µg/m$^3$ | ND | 1.98 | 2-Chloronaphthalene |
| SAM5 | 12/29/21 08:50 | 12/30/21 15:40 | µg/m$^3$ | ND | 1.98 | Acenaphthylene |
| SAM5 | 12/29/21 08:50 | 12/30/21 15:40 | µg/m$^3$ | ND | 1.98 | Acenaphthene |
| SAM5 | 12/29/21 08:50 | 12/30/21 15:40 | µg/m$^3$ | ND | 1.98 | Fluorene |
| SAM5 | 12/29/21 08:50 | 12/30/21 15:40 | µg/m$^3$ | ND | 1.98 | PheNDthrene |
| SAM5 | 12/29/21 08:50 | 12/30/21 15:40 | µg/m$^3$ | ND | 1.98 | Anthracene |
| SAM5 | 12/29/21 08:50 | 12/30/21 15:40 | µg/m$^3$ | ND | 1.98 | Fluoranthene |
| SAM5 | 12/29/21 08:50 | 12/30/21 15:40 | µg/m$^3$ | ND | 1.98 | Pyrene |
| SAM5 | 12/29/21 08:50 | 12/30/21 15:40 | µg/m$^3$ | ND | 1.98 | Chrysene |
| SAM5 | 12/29/21 08:50 | 12/30/21 15:40 | µg/m$^3$ | ND | 1.98 | Benzo(a)anthracene |
| SAM5 | 12/29/21 08:50 | 12/30/21 15:40 | µg/m$^3$ | ND | 1.98 | Benzo(b)fluoranthene |
| SAM5 | 12/29/21 08:50 | 12/30/21 15:40 | µg/m$^3$ | ND | 1.98 | Benzo(k)fluoranthene |
| SAM5 | 12/29/21 08:50 | 12/30/21 15:40 | µg/m$^3$ | ND | 1.98 | Benzo(a)pyrene |
| SAM5 | 12/29/21 08:50 | 12/30/21 15:40 | µg/m$^3$ | ND | 1.98 | Indeno(1,2,3-c,d)pyrene |
| SAM5 | 12/29/21 08:50 | 12/30/21 15:40 | µg/m$^3$ | ND | 1.98 | Dibenz(a,h)anthracene |
| SAM5 | 12/29/21 08:50 | 12/30/21 15:40 | µg/m$^3$ | ND | 1.98 | Benzo(g,h,i)perylene |
| SAM1 | 01/03/22 12:16 | 01/05/22 13:12 | µg/m$^3$ | ND | 2.01* | Naphthalene |
| SAM1 | 01/03/22 12:16 | 01/05/22 13:12 | µg/m$^3$ | ND | 2.01 | 2-Methylnaphthalene |
| SAM1 | 01/03/22 12:16 | 01/05/22 13:12 | µg/m$^3$ | ND | 2.01 | 2-Chloronaphthalene |
| SAM1 | 01/03/22 12:16 | 01/05/22 13:12 | µg/m$^3$ | ND | 2.01 | Acenaphthylene |
| SAM1 | 01/03/22 12:16 | 01/05/22 13:12 | µg/m$^3$ | ND | 2.01 | Acenaphthene |
| SAM1 | 01/03/22 12:16 | 01/05/22 13:12 | µg/m$^3$ | ND | 2.01 | Fluorene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM1 | 01/03/22 12:16 | 01/05/22 13:12 | µg/m$^3$ | ND | 2.01 | PheNDthrene |
| SAM1 | 01/03/22 12:16 | 01/05/22 13:12 | µg/m$^3$ | ND | 2.01 | Anthracene |
| SAM1 | 01/03/22 12:16 | 01/05/22 13:12 | µg/m$^3$ | ND | 2.01 | Fluoranthene |
| SAM1 | 01/03/22 12:16 | 01/05/22 13:12 | µg/m$^3$ | ND | 2.01 | Pyrene |
| SAM1 | 01/03/22 12:16 | 01/05/22 13:12 | µg/m$^3$ | ND | 2.01 | Chrysene |
| SAM1 | 01/03/22 12:16 | 01/05/22 13:12 | µg/m$^3$ | ND | 2.01 | Benzo(a)anthracene |
| SAM1 | 01/03/22 12:16 | 01/05/22 13:12 | µg/m$^3$ | ND | 2.01 | Benzo(b)fluoranthene |
| SAM1 | 01/03/22 12:16 | 01/05/22 13:12 | µg/m$^3$ | ND | 2.01 | Benzo(k)fluoranthene |
| SAM1 | 01/03/22 12:16 | 01/05/22 13:12 | µg/m$^3$ | ND | 2.01 | Benzo(a)pyrene |
| SAM1 | 01/03/22 12:16 | 01/05/22 13:12 | µg/m$^3$ | ND | 2.01 | Indeno(1,2,3-c,d)pyrene |
| SAM1 | 01/03/22 12:16 | 01/05/22 13:12 | µg/m$^3$ | ND | 2.01 | Dibenz(a,h)anthracene |
| SAM1 | 01/03/22 12:16 | 01/05/22 13:12 | µg/m$^3$ | ND | 2.01 | Benzo(g,h,i)perylene |
| SAM1 | 01/03/22 12:16 | 01/05/22 13:12 | µg/m$^3$ | ND | 2.01 | Naphthalene |
| SAM1 | 01/03/22 12:16 | 01/05/22 13:12 | µg/m$^3$ | ND | 2.01 | 2-Methylnaphthalene |
| SAM1 | 01/03/22 12:16 | 01/05/22 13:12 | µg/m$^3$ | ND | 2.01 | 2-Chloronaphthalene |
| SAM1 | 01/03/22 12:16 | 01/05/22 13:12 | µg/m$^3$ | ND | 2.01 | Acenaphthylene |
| SAM1 | 01/03/22 12:16 | 01/05/22 13:12 | µg/m$^3$ | ND | 2.01 | Acenaphthene |
| SAM1 | 01/03/22 12:16 | 01/05/22 13:12 | µg/m$^3$ | ND | 2.01 | Fluorene |
| SAM1 | 01/03/22 12:16 | 01/05/22 13:12 | µg/m$^3$ | ND | 2.01 | PheNDthrene |
| SAM1 | 01/03/22 12:16 | 01/05/22 13:12 | µg/m$^3$ | ND | 2.01 | Anthracene |
| SAM1 | 01/03/22 12:16 | 01/05/22 13:12 | µg/m$^3$ | ND | 2.01 | Fluoranthene |
| SAM1 | 01/03/22 12:16 | 01/05/22 13:12 | µg/m$^3$ | ND | 2.01 | Pyrene |
| SAM1 | 01/03/22 12:16 | 01/05/22 13:12 | µg/m$^3$ | ND | 2.01 | Chrysene |
| SAM1 | 01/03/22 12:16 | 01/05/22 13:12 | µg/m$^3$ | ND | 2.01 | Benzo(a)anthracene |
| SAM1 | 01/03/22 12:16 | 01/05/22 13:12 | µg/m$^3$ | ND | 2.01 | Benzo(b)fluoranthene |
| SAM1 | 01/03/22 12:16 | 01/05/22 13:12 | µg/m$^3$ | ND | 2.01 | Benzo(k)fluoranthene |
| SAM1 | 01/03/22 12:16 | 01/05/22 13:12 | µg/m$^3$ | ND | 2.01 | Benzo(a)pyrene |
| SAM1 | 01/03/22 12:16 | 01/05/22 13:12 | µg/m$^3$ | ND | 2.01 | Indeno(1,2,3-c,d)pyrene |
| SAM1 | 01/03/22 12:16 | 01/05/22 13:12 | µg/m$^3$ | ND | 2.01 | Dibenz(a,h)anthracene |
| SAM1 | 01/03/22 12:16 | 01/05/22 13:12 | µg/m$^3$ | ND | 2.01 | Benzo(g,h,i)perylene |
| SAM2 | 01/03/22 12:35 | 01/05/22 13:45 | µg/m$^3$ | ND | 2.05 | Naphthalene |
| SAM2 | 01/03/22 12:35 | 01/05/22 13:45 | µg/m$^3$ | ND | 2.05 | 2-Methylnaphthalene |
| SAM2 | 01/03/22 12:35 | 01/05/22 13:45 | µg/m$^3$ | ND | 2.05 | 2-Chloronaphthalene |
| SAM2 | 01/03/22 12:35 | 01/05/22 13:45 | µg/m$^3$ | ND | 2.05 | Acenaphthylene |
| SAM2 | 01/03/22 12:35 | 01/05/22 13:45 | µg/m$^3$ | ND | 2.05 | Acenaphthene |
| SAM2 | 01/03/22 12:35 | 01/05/22 13:45 | µg/m$^3$ | ND | 2.05 | Fluorene |
| SAM2 | 01/03/22 12:35 | 01/05/22 13:45 | µg/m$^3$ | ND | 2.05 | PheNDthrene |
| SAM2 | 01/03/22 12:35 | 01/05/22 13:45 | µg/m$^3$ | ND | 2.05 | Anthracene |
| SAM2 | 01/03/22 12:35 | 01/05/22 13:45 | µg/m$^3$ | ND | 2.05 | Fluoranthene |
| SAM2 | 01/03/22 12:35 | 01/05/22 13:45 | µg/m$^3$ | ND | 2.05 | Pyrene |
| SAM2 | 01/03/22 12:35 | 01/05/22 13:45 | µg/m$^3$ | ND | 2.05 | Chrysene |
| SAM2 | 01/03/22 12:35 | 01/05/22 13:45 | µg/m$^3$ | ND | 2.05 | Benzo(a)anthracene |
| SAM2 | 01/03/22 12:35 | 01/05/22 13:45 | µg/m$^3$ | ND | 2.05 | Benzo(b)fluoranthene |
| SAM2 | 01/03/22 12:35 | 01/05/22 13:45 | µg/m$^3$ | ND | 2.05 | Benzo(k)fluoranthene |
| SAM2 | 01/03/22 12:35 | 01/05/22 13:45 | µg/m$^3$ | ND | 2.05 | Benzo(a)pyrene |
| SAM2 | 01/03/22 12:35 | 01/05/22 13:45 | µg/m$^3$ | ND | 2.05 | Indeno(1,2,3-c,d)pyrene |
| SAM2 | 01/03/22 12:35 | 01/05/22 13:45 | µg/m$^3$ | ND | 2.05 | Dibenz(a,h)anthracene |
| SAM2 | 01/03/22 12:35 | 01/05/22 13:45 | µg/m$^3$ | ND | 2.05 | Benzo(g,h,i)perylene |
| SAM2 | 01/03/22 12:35 | 01/05/22 13:45 | µg/m$^3$ | ND | 2.05 | Naphthalene |
| SAM2 | 01/03/22 12:35 | 01/05/22 13:45 | µg/m$^3$ | ND | 2.05 | 2-Methylnaphthalene |
| SAM2 | 01/03/22 12:35 | 01/05/22 13:45 | µg/m$^3$ | ND | 2.05 | 2-Chloronaphthalene |
| SAM2 | 01/03/22 12:35 | 01/05/22 13:45 | µg/m$^3$ | ND | 2.05 | Acenaphthylene |
| SAM2 | 01/03/22 12:35 | 01/05/22 13:45 | µg/m$^3$ | ND | 2.05 | Acenaphthene |
| SAM2 | 01/03/22 12:35 | 01/05/22 13:45 | µg/m$^3$ | ND | 2.05 | Fluorene |
| SAM2 | 01/03/22 12:35 | 01/05/22 13:45 | µg/m$^3$ | ND | 2.05 | PheNDthrene |
| SAM2 | 01/03/22 12:35 | 01/05/22 13:45 | µg/m$^3$ | ND | 2.05 | Anthracene |
| SAM2 | 01/03/22 12:35 | 01/05/22 13:45 | µg/m$^3$ | ND | 2.05 | Fluoranthene |
| SAM2 | 01/03/22 12:35 | 01/05/22 13:45 | µg/m$^3$ | ND | 2.05 | Pyrene |
| SAM2 | 01/03/22 12:35 | 01/05/22 13:45 | µg/m$^3$ | ND | 2.05 | Chrysene |
| SAM2 | 01/03/22 12:35 | 01/05/22 13:45 | µg/m$^3$ | ND | 2.05 | Benzo(a)anthracene |
| SAM2 | 01/03/22 12:35 | 01/05/22 13:45 | µg/m$^3$ | ND | 2.05 | Benzo(b)fluoranthene |
| SAM2 | 01/03/22 12:35 | 01/05/22 13:45 | µg/m$^3$ | ND | 2.05 | Benzo(k)fluoranthene |
| SAM2 | 01/03/22 12:35 | 01/05/22 13:45 | µg/m$^3$ | ND | 2.05 | Benzo(a)pyrene |
| SAM2 | 01/03/22 12:35 | 01/05/22 13:45 | µg/m$^3$ | ND | 2.05 | Indeno(1,2,3-c,d)pyrene |
| SAM2 | 01/03/22 12:35 | 01/05/22 13:45 | µg/m$^3$ | ND | 2.05 | Dibenz(a,h)anthracene |
| SAM2 | 01/03/22 12:35 | 01/05/22 13:45 | µg/m$^3$ | ND | 2.05 | Benzo(g,h,i)perylene |
| SAM3 | 01/03/22 12:12 | 01/05/22 13:29 | µg/m$^3$ | ND | 2.00 | Naphthalene |
| SAM3 | 01/03/22 12:12 | 01/05/22 13:29 | µg/m$^3$ | ND | 2.00 | 2-Methylnaphthalene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM3 | 01/03/22 12:12 | 01/05/22 13:29 | µg/m$^3$ | ND | 2.00 | 2-Chloronaphthalene |
| SAM3 | 01/03/22 12:12 | 01/05/22 13:29 | µg/m$^3$ | ND | 2.00 | Acenaphthylene |
| SAM3 | 01/03/22 12:12 | 01/05/22 13:29 | µg/m$^3$ | ND | 2.00 | Acenaphthene |
| SAM3 | 01/03/22 12:12 | 01/05/22 13:29 | µg/m$^3$ | ND | 2.00 | Fluorene |
| SAM3 | 01/03/22 12:12 | 01/05/22 13:29 | µg/m$^3$ | ND | 2.00 | PheNDthrene |
| SAM3 | 01/03/22 12:12 | 01/05/22 13:29 | µg/m$^3$ | ND | 2.00 | Anthracene |
| SAM3 | 01/03/22 12:12 | 01/05/22 13:29 | µg/m$^3$ | ND | 2.00 | Fluoranthene |
| SAM3 | 01/03/22 12:12 | 01/05/22 13:29 | µg/m$^3$ | ND | 2.00 | Pyrene |
| SAM3 | 01/03/22 12:12 | 01/05/22 13:29 | µg/m$^3$ | ND | 2.00 | Chrysene |
| SAM3 | 01/03/22 12:12 | 01/05/22 13:29 | µg/m$^3$ | ND | 2.00 | Benzo(a)anthracene |
| SAM3 | 01/03/22 12:12 | 01/05/22 13:29 | µg/m$^3$ | ND | 2.00 | Benzo(b)fluoranthene |
| SAM3 | 01/03/22 12:12 | 01/05/22 13:29 | µg/m$^3$ | ND | 2.00 | Benzo(k)fluoranthene |
| SAM3 | 01/03/22 12:12 | 01/05/22 13:29 | µg/m$^3$ | ND | 2.00 | Benzo(a)pyrene |
| SAM3 | 01/03/22 12:12 | 01/05/22 13:29 | µg/m$^3$ | ND | 2.00 | Indeno(1,2,3-c,d)pyrene |
| SAM3 | 01/03/22 12:12 | 01/05/22 13:29 | µg/m$^3$ | ND | 2.00 | Dibenz(a,h)anthracene |
| SAM3 | 01/03/22 12:12 | 01/05/22 13:29 | µg/m$^3$ | ND | 2.00 | Benzo(g,h,i)perylene |
| SAM4 | 01/03/22 12:29 | 01/05/22 12:40 | µg/m$^3$ | ND | 2.04 | Naphthalene |
| SAM4 | 01/03/22 12:29 | 01/05/22 12:40 | µg/m$^3$ | ND | 2.04 | 2-Methylnaphthalene |
| SAM4 | 01/03/22 12:29 | 01/05/22 12:40 | µg/m$^3$ | ND | 2.04 | 2-Chloronaphthalene |
| SAM4 | 01/03/22 12:29 | 01/05/22 12:40 | µg/m$^3$ | ND | 2.04 | Acenaphthylene |
| SAM4 | 01/03/22 12:29 | 01/05/22 12:40 | µg/m$^3$ | ND | 2.04 | Acenaphthene |
| SAM4 | 01/03/22 12:29 | 01/05/22 12:40 | µg/m$^3$ | ND | 2.04 | Fluorene |
| SAM4 | 01/03/22 12:29 | 01/05/22 12:40 | µg/m$^3$ | ND | 2.04 | PheNDthrene |
| SAM4 | 01/03/22 12:29 | 01/05/22 12:40 | µg/m$^3$ | ND | 2.04 | Anthracene |
| SAM4 | 01/03/22 12:29 | 01/05/22 12:40 | µg/m$^3$ | ND | 2.04 | Fluoranthene |
| SAM4 | 01/03/22 12:29 | 01/05/22 12:40 | µg/m$^3$ | ND | 2.04 | Pyrene |
| SAM4 | 01/03/22 12:29 | 01/05/22 12:40 | µg/m$^3$ | ND | 2.04 | Chrysene |
| SAM4 | 01/03/22 12:29 | 01/05/22 12:40 | µg/m$^3$ | ND | 2.04 | Benzo(a)anthracene |
| SAM4 | 01/03/22 12:29 | 01/05/22 12:40 | µg/m$^3$ | ND | 2.04 | Benzo(b)fluoranthene |
| SAM4 | 01/03/22 12:29 | 01/05/22 12:40 | µg/m$^3$ | ND | 2.04 | Benzo(k)fluoranthene |
| SAM4 | 01/03/22 12:29 | 01/05/22 12:40 | µg/m$^3$ | ND | 2.04 | Benzo(a)pyrene |
| SAM4 | 01/03/22 12:29 | 01/05/22 12:40 | µg/m$^3$ | ND | 2.04 | Indeno(1,2,3-c,d)pyrene |
| SAM4 | 01/03/22 12:29 | 01/05/22 12:40 | µg/m$^3$ | ND | 2.04 | Dibenz(a,h)anthracene |
| SAM4 | 01/03/22 12:29 | 01/05/22 12:40 | µg/m$^3$ | ND | 2.04 | Benzo(g,h,i)perylene |
| SAM5 | 01/03/22 12:24 | 01/05/22 12:56 | µg/m$^3$ | ND | 2.04 | Naphthalene |
| SAM5 | 01/03/22 12:24 | 01/05/22 12:56 | µg/m$^3$ | ND | 2.04 | 2-Methylnaphthalene |
| SAM5 | 01/03/22 12:24 | 01/05/22 12:56 | µg/m$^3$ | ND | 2.04 | 2-Chloronaphthalene |
| SAM5 | 01/03/22 12:24 | 01/05/22 12:56 | µg/m$^3$ | ND | 2.04 | Acenaphthylene |
| SAM5 | 01/03/22 12:24 | 01/05/22 12:56 | µg/m$^3$ | ND | 2.04 | Acenaphthene |
| SAM5 | 01/03/22 12:24 | 01/05/22 12:56 | µg/m$^3$ | ND | 2.04 | Fluorene |
| SAM5 | 01/03/22 12:24 | 01/05/22 12:56 | µg/m$^3$ | ND | 2.04 | PheNDthrene |
| SAM5 | 01/03/22 12:24 | 01/05/22 12:56 | µg/m$^3$ | ND | 2.04 | Anthracene |
| SAM5 | 01/03/22 12:24 | 01/05/22 12:56 | µg/m$^3$ | ND | 2.04 | Fluoranthene |
| SAM5 | 01/03/22 12:24 | 01/05/22 12:56 | µg/m$^3$ | ND | 2.04 | Pyrene |
| SAM5 | 01/03/22 12:24 | 01/05/22 12:56 | µg/m$^3$ | ND | 2.04 | Chrysene |
| SAM5 | 01/03/22 12:24 | 01/05/22 12:56 | µg/m$^3$ | ND | 2.04 | Benzo(a)anthracene |
| SAM5 | 01/03/22 12:24 | 01/05/22 12:56 | µg/m$^3$ | ND | 2.04 | Benzo(b)fluoranthene |
| SAM5 | 01/03/22 12:24 | 01/05/22 12:56 | µg/m$^3$ | ND | 2.04 | Benzo(k)fluoranthene |
| SAM5 | 01/03/22 12:24 | 01/05/22 12:56 | µg/m$^3$ | ND | 2.04 | Benzo(a)pyrene |
| SAM5 | 01/03/22 12:24 | 01/05/22 12:56 | µg/m$^3$ | ND | 2.04 | Indeno(1,2,3-c,d)pyrene |
| SAM5 | 01/03/22 12:24 | 01/05/22 12:56 | µg/m$^3$ | ND | 2.04 | Dibenz(a,h)anthracene |
| SAM5 | 01/03/22 12:24 | 01/05/22 12:56 | µg/m$^3$ | ND | 2.04 | Benzo(g,h,i)perylene |
| SAM1 | 01/05/22 13:20 | 01/07/22 11:06 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM1 | 01/05/22 13:20 | 01/07/22 11:06 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM1 | 01/05/22 13:20 | 01/07/22 11:06 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM1 | 01/05/22 13:20 | 01/07/22 11:06 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM1 | 01/05/22 13:20 | 01/07/22 11:06 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM1 | 01/05/22 13:20 | 01/07/22 11:06 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM1 | 01/05/22 13:20 | 01/07/22 11:06 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM1 | 01/05/22 13:20 | 01/07/22 11:06 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM1 | 01/05/22 13:20 | 01/07/22 11:06 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM1 | 01/05/22 13:20 | 01/07/22 11:06 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM1 | 01/05/22 13:20 | 01/07/22 11:06 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM1 | 01/05/22 13:20 | 01/07/22 11:06 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM1 | 01/05/22 13:20 | 01/07/22 11:06 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM1 | 01/05/22 13:20 | 01/07/22 11:06 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM1 | 01/05/22 13:20 | 01/07/22 11:06 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM1 | 01/05/22 13:20 | 01/07/22 11:06 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM1 | 01/05/22 13:20 | 01/07/22 11:06 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM1 | 01/05/22 13:20 | 01/07/22 11:06 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM2 | 01/05/22 13:52 | 01/07/22 11:24 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM2 | 01/05/22 13:52 | 01/07/22 11:24 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM2 | 01/05/22 13:52 | 01/07/22 11:24 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM2 | 01/05/22 13:52 | 01/07/22 11:24 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM2 | 01/05/22 13:52 | 01/07/22 11:24 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM2 | 01/05/22 13:52 | 01/07/22 11:24 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM2 | 01/05/22 13:52 | 01/07/22 11:24 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM2 | 01/05/22 13:52 | 01/07/22 11:24 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM2 | 01/05/22 13:52 | 01/07/22 11:24 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM2 | 01/05/22 13:52 | 01/07/22 11:24 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM2 | 01/05/22 13:52 | 01/07/22 11:24 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM2 | 01/05/22 13:52 | 01/07/22 11:24 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM2 | 01/05/22 13:52 | 01/07/22 11:24 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM2 | 01/05/22 13:52 | 01/07/22 11:24 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM2 | 01/05/22 13:52 | 01/07/22 11:24 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM2 | 01/05/22 13:52 | 01/07/22 11:24 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM2 | 01/05/22 13:52 | 01/07/22 11:24 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM2 | 01/05/22 13:52 | 01/07/22 11:24 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM3 | 01/05/22 13:37 | 01/07/22 11:03 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM3 | 01/05/22 13:37 | 01/07/22 11:03 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM3 | 01/05/22 13:37 | 01/07/22 11:03 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM3 | 01/05/22 13:37 | 01/07/22 11:03 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM3 | 01/05/22 13:37 | 01/07/22 11:03 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM3 | 01/05/22 13:37 | 01/07/22 11:03 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM3 | 01/05/22 13:37 | 01/07/22 11:03 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM3 | 01/05/22 13:37 | 01/07/22 11:03 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM3 | 01/05/22 13:37 | 01/07/22 11:03 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM3 | 01/05/22 13:37 | 01/07/22 11:03 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM3 | 01/05/22 13:37 | 01/07/22 11:03 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM3 | 01/05/22 13:37 | 01/07/22 11:03 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM3 | 01/05/22 13:37 | 01/07/22 11:03 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM3 | 01/05/22 13:37 | 01/07/22 11:03 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM3 | 01/05/22 13:37 | 01/07/22 11:03 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM3 | 01/05/22 13:37 | 01/07/22 11:03 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM3 | 01/05/22 13:37 | 01/07/22 11:03 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM3 | 01/05/22 13:37 | 01/07/22 11:03 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM4 | 01/05/22 12:48 | 01/07/22 11:18 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM4 | 01/05/22 12:48 | 01/07/22 11:18 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM4 | 01/05/22 12:48 | 01/07/22 11:18 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM4 | 01/05/22 12:48 | 01/07/22 11:18 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM4 | 01/05/22 12:48 | 01/07/22 11:18 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM4 | 01/05/22 12:48 | 01/07/22 11:18 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM4 | 01/05/22 12:48 | 01/07/22 11:18 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM4 | 01/05/22 12:48 | 01/07/22 11:18 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM4 | 01/05/22 12:48 | 01/07/22 11:18 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM4 | 01/05/22 12:48 | 01/07/22 11:18 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM4 | 01/05/22 12:48 | 01/07/22 11:18 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM4 | 01/05/22 12:48 | 01/07/22 11:18 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM4 | 01/05/22 12:48 | 01/07/22 11:18 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM4 | 01/05/22 12:48 | 01/07/22 11:18 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM4 | 01/05/22 12:48 | 01/07/22 11:18 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM4 | 01/05/22 12:48 | 01/07/22 11:18 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM4 | 01/05/22 12:48 | 01/07/22 11:18 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM4 | 01/05/22 12:48 | 01/07/22 11:18 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM5 | 01/05/22 13:10 | 01/07/22 11:13 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM5 | 01/05/22 13:10 | 01/07/22 11:13 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM5 | 01/05/22 13:10 | 01/07/22 11:13 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM5 | 01/05/22 13:10 | 01/07/22 11:13 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM5 | 01/05/22 13:10 | 01/07/22 11:13 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM5 | 01/05/22 13:10 | 01/07/22 11:13 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM5 | 01/05/22 13:10 | 01/07/22 11:13 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM5 | 01/05/22 13:10 | 01/07/22 11:13 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM5 | 01/05/22 13:10 | 01/07/22 11:13 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM5 | 01/05/22 13:10 | 01/07/22 11:13 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM5 | 01/05/22 13:10 | 01/07/22 11:13 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM5 | 01/05/22 13:10 | 01/07/22 11:13 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM5 | 01/05/22 13:10 | 01/07/22 11:13 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM5 | 01/05/22 13:10 | 01/07/22 11:13 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM5 | 01/05/22 13:10 | 01/07/22 11:13 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM5 | 01/05/22 13:10 | 01/07/22 11:13 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM5 | 01/05/22 13:10 | 01/07/22 11:13 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM5 | 01/05/22 13:10 | 01/07/22 11:13 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM1 | 01/10/22 09:19 | 01/12/22 08:06 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM1 | 01/10/22 09:19 | 01/12/22 08:06 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM1 | 01/10/22 09:19 | 01/12/22 08:06 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM1 | 01/10/22 09:19 | 01/12/22 08:06 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM1 | 01/10/22 09:19 | 01/12/22 08:06 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM1 | 01/10/22 09:19 | 01/12/22 08:06 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM1 | 01/10/22 09:19 | 01/12/22 08:06 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM1 | 01/10/22 09:19 | 01/12/22 08:06 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM1 | 01/10/22 09:19 | 01/12/22 08:06 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM1 | 01/10/22 09:19 | 01/12/22 08:06 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM1 | 01/10/22 09:19 | 01/12/22 08:06 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM1 | 01/10/22 09:19 | 01/12/22 08:06 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM1 | 01/10/22 09:19 | 01/12/22 08:06 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM1 | 01/10/22 09:19 | 01/12/22 08:06 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM1 | 01/10/22 09:19 | 01/12/22 08:06 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM1 | 01/10/22 09:19 | 01/12/22 08:06 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM1 | 01/10/22 09:19 | 01/12/22 08:06 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM1 | 01/10/22 09:19 | 01/12/22 08:06 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM2 | 01/10/22 09:39 | 01/12/22 08:20 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM2 | 01/10/22 09:39 | 01/12/22 08:20 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM2 | 01/10/22 09:39 | 01/12/22 08:20 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM2 | 01/10/22 09:39 | 01/12/22 08:20 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM2 | 01/10/22 09:39 | 01/12/22 08:20 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM2 | 01/10/22 09:39 | 01/12/22 08:20 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM2 | 01/10/22 09:39 | 01/12/22 08:20 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM2 | 01/10/22 09:39 | 01/12/22 08:20 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM2 | 01/10/22 09:39 | 01/12/22 08:20 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM2 | 01/10/22 09:39 | 01/12/22 08:20 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM2 | 01/10/22 09:39 | 01/12/22 08:20 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM2 | 01/10/22 09:39 | 01/12/22 08:20 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM2 | 01/10/22 09:39 | 01/12/22 08:20 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM2 | 01/10/22 09:39 | 01/12/22 08:20 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM2 | 01/10/22 09:39 | 01/12/22 08:20 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM2 | 01/10/22 09:39 | 01/12/22 08:20 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM2 | 01/10/22 09:39 | 01/12/22 08:20 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM2 | 01/10/22 09:39 | 01/12/22 08:20 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM3 | 01/10/22 09:06 | 01/12/22 07:54 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM3 | 01/10/22 09:06 | 01/12/22 07:54 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM3 | 01/10/22 09:06 | 01/12/22 07:54 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM3 | 01/10/22 09:06 | 01/12/22 07:54 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM3 | 01/10/22 09:06 | 01/12/22 07:54 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM3 | 01/10/22 09:06 | 01/12/22 07:54 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM3 | 01/10/22 09:06 | 01/12/22 07:54 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM3 | 01/10/22 09:06 | 01/12/22 07:54 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM3 | 01/10/22 09:06 | 01/12/22 07:54 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM3 | 01/10/22 09:06 | 01/12/22 07:54 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM3 | 01/10/22 09:06 | 01/12/22 07:54 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM3 | 01/10/22 09:06 | 01/12/22 07:54 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM3 | 01/10/22 09:06 | 01/12/22 07:54 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM3 | 01/10/22 09:06 | 01/12/22 07:54 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM3 | 01/10/22 09:06 | 01/12/22 07:54 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM3 | 01/10/22 09:06 | 01/12/22 07:54 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM3 | 01/10/22 09:06 | 01/12/22 07:54 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM3 | 01/10/22 09:06 | 01/12/22 07:54 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM4 | 01/10/22 09:58 | 01/12/22 08:35 | µg/m$^3$ | 0.18* | 2.00* | Naphthalene |
| SAM4 | 01/10/22 09:58 | 01/12/22 08:35 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM4 | 01/10/22 09:58 | 01/12/22 08:35 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM4 | 01/10/22 09:58 | 01/12/22 08:35 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM4 | 01/10/22 09:58 | 01/12/22 08:35 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM4 | 01/10/22 09:58 | 01/12/22 08:35 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM4 | 01/10/22 09:58 | 01/12/22 08:35 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM4 | 01/10/22 09:58 | 01/12/22 08:35 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM4 | 01/10/22 09:58 | 01/12/22 08:35 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM4 | 01/10/22 09:58 | 01/12/22 08:35 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM4 | 01/10/22 09:58 | 01/12/22 08:35 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM4 | 01/10/22 09:58 | 01/12/22 08:35 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM4 | 01/10/22 09:58 | 01/12/22 08:35 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM4 | 01/10/22 09:58 | 01/12/22 08:35 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM4 | 01/10/22 09:58 | 01/12/22 08:35 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM4 | 01/10/22 09:58 | 01/12/22 08:35 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM4 | 01/10/22 09:58 | 01/12/22 08:35 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM4 | 01/10/22 09:58 | 01/12/22 08:35 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM5 | 01/10/22 09:25 | 01/12/22 08:48 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM5 | 01/10/22 09:25 | 01/12/22 08:48 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM5 | 01/10/22 09:25 | 01/12/22 08:48 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM5 | 01/10/22 09:25 | 01/12/22 08:48 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM5 | 01/10/22 09:25 | 01/12/22 08:48 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM5 | 01/10/22 09:25 | 01/12/22 08:48 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM5 | 01/10/22 09:25 | 01/12/22 08:48 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM5 | 01/10/22 09:25 | 01/12/22 08:48 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM5 | 01/10/22 09:25 | 01/12/22 08:48 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM5 | 01/10/22 09:25 | 01/12/22 08:48 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM5 | 01/10/22 09:25 | 01/12/22 08:48 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM5 | 01/10/22 09:25 | 01/12/22 08:48 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM5 | 01/10/22 09:25 | 01/12/22 08:48 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM5 | 01/10/22 09:25 | 01/12/22 08:48 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM5 | 01/10/22 09:25 | 01/12/22 08:48 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM5 | 01/10/22 09:25 | 01/12/22 08:48 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM5 | 01/10/22 09:25 | 01/12/22 08:48 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM5 | 01/10/22 09:25 | 01/12/22 08:48 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM1 | 01/12/22 08:10 | 01/14/22 12:27 | µg/m$^3$ | 0.35* | 2.00* | Naphthalene |
| SAM1 | 01/12/22 08:10 | 01/14/22 12:27 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM1 | 01/12/22 08:10 | 01/14/22 12:27 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM1 | 01/12/22 08:10 | 01/14/22 12:27 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM1 | 01/12/22 08:10 | 01/14/22 12:27 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM1 | 01/12/22 08:10 | 01/14/22 12:27 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM1 | 01/12/22 08:10 | 01/14/22 12:27 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM1 | 01/12/22 08:10 | 01/14/22 12:27 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM1 | 01/12/22 08:10 | 01/14/22 12:27 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM1 | 01/12/22 08:10 | 01/14/22 12:27 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM1 | 01/12/22 08:10 | 01/14/22 12:27 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM1 | 01/12/22 08:10 | 01/14/22 12:27 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM1 | 01/12/22 08:10 | 01/14/22 12:27 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM1 | 01/12/22 08:10 | 01/14/22 12:27 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM1 | 01/12/22 08:10 | 01/14/22 12:27 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM1 | 01/12/22 08:10 | 01/14/22 12:27 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM1 | 01/12/22 08:10 | 01/14/22 12:27 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM1 | 01/12/22 08:10 | 01/14/22 12:27 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM2 | 01/12/22 08:27 | 01/14/22 12:07 | µg/m$^3$ | 0.16* | 2.00* | Naphthalene |
| SAM2 | 01/12/22 08:27 | 01/14/22 12:07 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM2 | 01/12/22 08:27 | 01/14/22 12:07 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM2 | 01/12/22 08:27 | 01/14/22 12:07 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM2 | 01/12/22 08:27 | 01/14/22 12:07 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM2 | 01/12/22 08:27 | 01/14/22 12:07 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM2 | 01/12/22 08:27 | 01/14/22 12:07 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM2 | 01/12/22 08:27 | 01/14/22 12:07 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM2 | 01/12/22 08:27 | 01/14/22 12:07 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM2 | 01/12/22 08:27 | 01/14/22 12:07 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM2 | 01/12/22 08:27 | 01/14/22 12:07 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM2 | 01/12/22 08:27 | 01/14/22 12:07 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM2 | 01/12/22 08:27 | 01/14/22 12:07 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM2 | 01/12/22 08:27 | 01/14/22 12:07 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM2 | 01/12/22 08:27 | 01/14/22 12:07 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM2 | 01/12/22 08:27 | 01/14/22 12:07 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM2 | 01/12/22 08:27 | 01/14/22 12:07 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM2 | 01/12/22 08:27 | 01/14/22 12:07 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM3 | 01/12/22 08:01 | 01/14/22 12:23 | µg/m$^3$ | 0.22* | 2.00* | Naphthalene |
| SAM3 | 01/12/22 08:01 | 01/14/22 12:23 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM3 | 01/12/22 08:01 | 01/14/22 12:23 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM3 | 01/12/22 08:01 | 01/14/22 12:23 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM3 | 01/12/22 08:01 | 01/14/22 12:23 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM3 | 01/12/22 08:01 | 01/14/22 12:23 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM3 | 01/12/22 08:01 | 01/14/22 12:23 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM3 | 01/12/22 08:01 | 01/14/22 12:23 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM3 | 01/12/22 08:01 | 01/14/22 12:23 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM3 | 01/12/22 08:01 | 01/14/22 12:23 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM3 | 01/12/22 08:01 | 01/14/22 12:23 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM3 | 01/12/22 08:01 | 01/14/22 12:23 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM3 | 01/12/22 08:01 | 01/14/22 12:23 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM3 | 01/12/22 08:01 | 01/14/22 12:23 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM3 | 01/12/22 08:01 | 01/14/22 12:23 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM3 | 01/12/22 08:01 | 01/14/22 12:23 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM3 | 01/12/22 08:01 | 01/14/22 12:23 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM3 | 01/12/22 08:01 | 01/14/22 12:23 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM4 | 01/12/22 08:39 | 01/14/22 12:13 | µg/m$^3$ | 3.72* | 2.00* | Naphthalene |
| SAM4 | 01/12/22 08:39 | 01/14/22 12:13 | µg/m$^3$ | 0.63* | 2.00* | 2-Methylnaphthalene |
| SAM4 | 01/12/22 08:39 | 01/14/22 12:13 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM4 | 01/12/22 08:39 | 01/14/22 12:13 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM4 | 01/12/22 08:39 | 01/14/22 12:13 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM4 | 01/12/22 08:39 | 01/14/22 12:13 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM4 | 01/12/22 08:39 | 01/14/22 12:13 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM4 | 01/12/22 08:39 | 01/14/22 12:13 | µg/m$^3$ | ND | 2.00* | Anthracene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM4 | 01/12/22 08:39 | 01/14/22 12:13 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM4 | 01/12/22 08:39 | 01/14/22 12:13 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM4 | 01/12/22 08:39 | 01/14/22 12:13 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM4 | 01/12/22 08:39 | 01/14/22 12:13 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM4 | 01/12/22 08:39 | 01/14/22 12:13 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM4 | 01/12/22 08:39 | 01/14/22 12:13 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM4 | 01/12/22 08:39 | 01/14/22 12:13 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM4 | 01/12/22 08:39 | 01/14/22 12:13 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM4 | 01/12/22 08:39 | 01/14/22 12:13 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM4 | 01/12/22 08:39 | 01/14/22 12:13 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM5 | 01/12/22 08:52 | 01/14/22 12:18 | µg/m$^3$ | 0.41* | 2.00* | Naphthalene |
| SAM5 | 01/12/22 08:52 | 01/14/22 12:18 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM5 | 01/12/22 08:52 | 01/14/22 12:18 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM5 | 01/12/22 08:52 | 01/14/22 12:18 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM5 | 01/12/22 08:52 | 01/14/22 12:18 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM5 | 01/12/22 08:52 | 01/14/22 12:18 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM5 | 01/12/22 08:52 | 01/14/22 12:18 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM5 | 01/12/22 08:52 | 01/14/22 12:18 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM5 | 01/12/22 08:52 | 01/14/22 12:18 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM5 | 01/12/22 08:52 | 01/14/22 12:18 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM5 | 01/12/22 08:52 | 01/14/22 12:18 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM5 | 01/12/22 08:52 | 01/14/22 12:18 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM5 | 01/12/22 08:52 | 01/14/22 12:18 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM5 | 01/12/22 08:52 | 01/14/22 12:18 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM5 | 01/12/22 08:52 | 01/14/22 12:18 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM5 | 01/12/22 08:52 | 01/14/22 12:18 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM5 | 01/12/22 08:52 | 01/14/22 12:18 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM5 | 01/12/22 08:52 | 01/14/22 12:18 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM1 | 01/17/22 08:17 | 01/19/22 08:13 | µg/m$^3$ | ND | 1.99 | Naphthalene |
| SAM1 | 01/17/22 08:17 | 01/19/22 08:13 | µg/m$^3$ | ND | 1.99 | 2-Methylnaphthalene |
| SAM1 | 01/17/22 08:17 | 01/19/22 08:13 | µg/m$^3$ | ND | 1.99 | 2-Chloronaphthalene |
| SAM1 | 01/17/22 08:17 | 01/19/22 08:13 | µg/m$^3$ | ND | 1.99 | Acenaphthylene |
| SAM1 | 01/17/22 08:17 | 01/19/22 08:13 | µg/m$^3$ | ND | 1.99 | Acenaphthene |
| SAM1 | 01/17/22 08:17 | 01/19/22 08:13 | µg/m$^3$ | ND | 1.99 | Fluorene |
| SAM1 | 01/17/22 08:17 | 01/19/22 08:13 | µg/m$^3$ | ND | 1.99 | PheNDthrene |
| SAM1 | 01/17/22 08:17 | 01/19/22 08:13 | µg/m$^3$ | ND | 1.99 | Anthracene |
| SAM1 | 01/17/22 08:17 | 01/19/22 08:13 | µg/m$^3$ | ND | 1.99 | Fluoranthene |
| SAM1 | 01/17/22 08:17 | 01/19/22 08:13 | µg/m$^3$ | ND | 1.99 | Pyrene |
| SAM1 | 01/17/22 08:17 | 01/19/22 08:13 | µg/m$^3$ | ND | 1.99 | Chrysene |
| SAM1 | 01/17/22 08:17 | 01/19/22 08:13 | µg/m$^3$ | ND | 1.99 | Benzo(a)anthracene |
| SAM1 | 01/17/22 08:17 | 01/19/22 08:13 | µg/m$^3$ | ND | 1.99 | Benzo(b)fluoranthene |
| SAM1 | 01/17/22 08:17 | 01/19/22 08:13 | µg/m$^3$ | ND | 1.99 | Benzo(k)fluoranthene |
| SAM1 | 01/17/22 08:17 | 01/19/22 08:13 | µg/m$^3$ | ND | 1.99 | Benzo(a)pyrene |
| SAM1 | 01/17/22 08:17 | 01/19/22 08:13 | µg/m$^3$ | ND | 1.99 | Indeno(1,2,3-c,d)pyrene |
| SAM1 | 01/17/22 08:17 | 01/19/22 08:13 | µg/m$^3$ | ND | 1.99 | Dibenz(a,h)anthracene |
| SAM1 | 01/17/22 08:17 | 01/19/22 08:13 | µg/m$^3$ | ND | 1.99 | Benzo(g,h,i)perylene |
| SAM2 | 01/17/22 08:00 | 01/19/22 07:58 | µg/m$^3$ | ND | 2.09 | Naphthalene |
| SAM2 | 01/17/22 08:00 | 01/19/22 07:58 | µg/m$^3$ | ND | 2.09 | 2-Methylnaphthalene |
| SAM2 | 01/17/22 08:00 | 01/19/22 07:58 | µg/m$^3$ | ND | 2.09 | 2-Chloronaphthalene |
| SAM2 | 01/17/22 08:00 | 01/19/22 07:58 | µg/m$^3$ | ND | 2.09 | Acenaphthylene |
| SAM2 | 01/17/22 08:00 | 01/19/22 07:58 | µg/m$^3$ | ND | 2.09 | Acenaphthene |
| SAM2 | 01/17/22 08:00 | 01/19/22 07:58 | µg/m$^3$ | ND | 2.09 | Fluorene |
| SAM2 | 01/17/22 08:00 | 01/19/22 07:58 | µg/m$^3$ | ND | 2.09 | PheNDthrene |
| SAM2 | 01/17/22 08:00 | 01/19/22 07:58 | µg/m$^3$ | ND | 2.09 | Anthracene |
| SAM2 | 01/17/22 08:00 | 01/19/22 07:58 | µg/m$^3$ | ND | 2.09 | Fluoranthene |
| SAM2 | 01/17/22 08:00 | 01/19/22 07:58 | µg/m$^3$ | ND | 2.09 | Pyrene |
| SAM2 | 01/17/22 08:00 | 01/19/22 07:58 | µg/m$^3$ | ND | 2.09 | Chrysene |
| SAM2 | 01/17/22 08:00 | 01/19/22 07:58 | µg/m$^3$ | ND | 2.09 | Benzo(a)anthracene |
| SAM2 | 01/17/22 08:00 | 01/19/22 07:58 | µg/m$^3$ | ND | 2.09 | Benzo(b)fluoranthene |
| SAM2 | 01/17/22 08:00 | 01/19/22 07:58 | µg/m$^3$ | ND | 2.09 | Benzo(k)fluoranthene |
| SAM2 | 01/17/22 08:00 | 01/19/22 07:58 | µg/m$^3$ | ND | 2.09 | Benzo(a)pyrene |
| SAM2 | 01/17/22 08:00 | 01/19/22 07:58 | µg/m$^3$ | ND | 2.09 | Indeno(1,2,3-c,d)pyrene |
| SAM2 | 01/17/22 08:00 | 01/19/22 07:58 | µg/m$^3$ | ND | 2.09 | Dibenz(a,h)anthracene |
| SAM2 | 01/17/22 08:00 | 01/19/22 07:58 | µg/m$^3$ | ND | 2.09 | Benzo(g,h,i)perylene |
| SAM3 | 01/17/22 08:11 | 01/19/22 08:07 | µg/m$^3$ | ND | 1.95 | Naphthalene |
| SAM3 | 01/17/22 08:11 | 01/19/22 08:07 | µg/m$^3$ | ND | 1.95 | 2-Methylnaphthalene |
| SAM3 | 01/17/22 08:11 | 01/19/22 08:07 | µg/m$^3$ | ND | 1.95 | 2-Chloronaphthalene |
| SAM3 | 01/17/22 08:11 | 01/19/22 08:07 | µg/m$^3$ | ND | 1.95 | Acenaphthylene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM3 | 01/17/22 08:11 | 01/19/22 08:07 | µg/m$^3$ | ND | 1.95 | Acenaphthene |
| SAM3 | 01/17/22 08:11 | 01/19/22 08:07 | µg/m$^3$ | ND | 1.95 | Fluorene |
| SAM3 | 01/17/22 08:11 | 01/19/22 08:07 | µg/m$^3$ | ND | 1.95 | PheNDthrene |
| SAM3 | 01/17/22 08:11 | 01/19/22 08:07 | µg/m$^3$ | ND | 1.95 | Anthracene |
| SAM3 | 01/17/22 08:11 | 01/19/22 08:07 | µg/m$^3$ | ND | 1.95 | Fluoranthene |
| SAM3 | 01/17/22 08:11 | 01/19/22 08:07 | µg/m$^3$ | ND | 1.95 | Pyrene |
| SAM3 | 01/17/22 08:11 | 01/19/22 08:07 | µg/m$^3$ | ND | 1.95 | Chrysene |
| SAM3 | 01/17/22 08:11 | 01/19/22 08:07 | µg/m$^3$ | ND | 1.95 | Benzo(a)anthracene |
| SAM3 | 01/17/22 08:11 | 01/19/22 08:07 | µg/m$^3$ | ND | 1.95 | Benzo(b)fluoranthene |
| SAM3 | 01/17/22 08:11 | 01/19/22 08:07 | µg/m$^3$ | ND | 1.95 | Benzo(k)fluoranthene |
| SAM3 | 01/17/22 08:11 | 01/19/22 08:07 | µg/m$^3$ | ND | 1.95 | Benzo(a)pyrene |
| SAM3 | 01/17/22 08:11 | 01/19/22 08:07 | µg/m$^3$ | ND | 1.95 | Indeno(1,2,3-c,d)pyrene |
| SAM3 | 01/17/22 08:11 | 01/19/22 08:07 | µg/m$^3$ | ND | 1.95 | Dibenz(a,h)anthracene |
| SAM3 | 01/17/22 08:11 | 01/19/22 08:07 | µg/m$^3$ | ND | 1.95 | Benzo(g,h,i)perylene |
| SAM4 | 01/17/22 08:39 | 01/19/22 08:32 | µg/m$^3$ | 0.79 | 1.98 | Naphthalene |
| SAM4 | 01/17/22 08:39 | 01/19/22 08:32 | µg/m$^3$ | ND | 1.98 | 2-Methylnaphthalene |
| SAM4 | 01/17/22 08:39 | 01/19/22 08:32 | µg/m$^3$ | ND | 1.98 | 2-Chloronaphthalene |
| SAM4 | 01/17/22 08:39 | 01/19/22 08:32 | µg/m$^3$ | ND | 1.98 | Acenaphthylene |
| SAM4 | 01/17/22 08:39 | 01/19/22 08:32 | µg/m$^3$ | ND | 1.98 | Acenaphthene |
| SAM4 | 01/17/22 08:39 | 01/19/22 08:32 | µg/m$^3$ | ND | 1.98 | Fluorene |
| SAM4 | 01/17/22 08:39 | 01/19/22 08:32 | µg/m$^3$ | ND | 1.98 | PheNDthrene |
| SAM4 | 01/17/22 08:39 | 01/19/22 08:32 | µg/m$^3$ | ND | 1.98 | Anthracene |
| SAM4 | 01/17/22 08:39 | 01/19/22 08:32 | µg/m$^3$ | ND | 1.98 | Fluoranthene |
| SAM4 | 01/17/22 08:39 | 01/19/22 08:32 | µg/m$^3$ | ND | 1.98 | Pyrene |
| SAM4 | 01/17/22 08:39 | 01/19/22 08:32 | µg/m$^3$ | ND | 1.98 | Chrysene |
| SAM4 | 01/17/22 08:39 | 01/19/22 08:32 | µg/m$^3$ | ND | 1.98 | Benzo(a)anthracene |
| SAM4 | 01/17/22 08:39 | 01/19/22 08:32 | µg/m$^3$ | ND | 1.98 | Benzo(b)fluoranthene |
| SAM4 | 01/17/22 08:39 | 01/19/22 08:32 | µg/m$^3$ | ND | 1.98 | Benzo(k)fluoranthene |
| SAM4 | 01/17/22 08:39 | 01/19/22 08:32 | µg/m$^3$ | ND | 1.98 | Benzo(a)pyrene |
| SAM4 | 01/17/22 08:39 | 01/19/22 08:32 | µg/m$^3$ | ND | 1.98 | Indeno(1,2,3-c,d)pyrene |
| SAM4 | 01/17/22 08:39 | 01/19/22 08:32 | µg/m$^3$ | ND | 1.98 | Dibenz(a,h)anthracene |
| SAM4 | 01/17/22 08:39 | 01/19/22 08:32 | µg/m$^3$ | ND | 1.98 | Benzo(g,h,i)perylene |
| SAM5 | 01/17/22 08:27 | 01/19/22 08:23 | µg/m$^3$ | ND | 1.98 | Naphthalene |
| SAM5 | 01/17/22 08:27 | 01/19/22 08:23 | µg/m$^3$ | ND | 1.98 | 2-Methylnaphthalene |
| SAM5 | 01/17/22 08:27 | 01/19/22 08:23 | µg/m$^3$ | ND | 1.98 | 2-Chloronaphthalene |
| SAM5 | 01/17/22 08:27 | 01/19/22 08:23 | µg/m$^3$ | ND | 1.98 | Acenaphthylene |
| SAM5 | 01/17/22 08:27 | 01/19/22 08:23 | µg/m$^3$ | ND | 1.98 | Acenaphthene |
| SAM5 | 01/17/22 08:27 | 01/19/22 08:23 | µg/m$^3$ | ND | 1.98 | Fluorene |
| SAM5 | 01/17/22 08:27 | 01/19/22 08:23 | µg/m$^3$ | ND | 1.98 | PheNDthrene |
| SAM5 | 01/17/22 08:27 | 01/19/22 08:23 | µg/m$^3$ | ND | 1.98 | Anthracene |
| SAM5 | 01/17/22 08:27 | 01/19/22 08:23 | µg/m$^3$ | ND | 1.98 | Fluoranthene |
| SAM5 | 01/17/22 08:27 | 01/19/22 08:23 | µg/m$^3$ | ND | 1.98 | Pyrene |
| SAM5 | 01/17/22 08:27 | 01/19/22 08:23 | µg/m$^3$ | ND | 1.98 | Chrysene |
| SAM5 | 01/17/22 08:27 | 01/19/22 08:23 | µg/m$^3$ | ND | 1.98 | Benzo(a)anthracene |
| SAM5 | 01/17/22 08:27 | 01/19/22 08:23 | µg/m$^3$ | ND | 1.98 | Benzo(b)fluoranthene |
| SAM5 | 01/17/22 08:27 | 01/19/22 08:23 | µg/m$^3$ | ND | 1.98 | Benzo(k)fluoranthene |
| SAM5 | 01/17/22 08:27 | 01/19/22 08:23 | µg/m$^3$ | ND | 1.98 | Benzo(a)pyrene |
| SAM5 | 01/17/22 08:27 | 01/19/22 08:23 | µg/m$^3$ | ND | 1.98 | Indeno(1,2,3-c,d)pyrene |
| SAM5 | 01/17/22 08:27 | 01/19/22 08:23 | µg/m$^3$ | ND | 1.98 | Dibenz(a,h)anthracene |
| SAM5 | 01/17/22 08:27 | 01/19/22 08:23 | µg/m$^3$ | ND | 1.98 | Benzo(g,h,i)perylene |
| SAM1 | 01/19/22 08:53 | 01/21/22 08:53 | µg/m$^3$ | ND | 1.95 | Naphthalene |
| SAM1 | 01/19/22 08:53 | 01/21/22 08:53 | µg/m$^3$ | ND | 1.95 | 2-Methylnaphthalene |
| SAM1 | 01/19/22 08:53 | 01/21/22 08:53 | µg/m$^3$ | ND | 1.95 | 2-Chloronaphthalene |
| SAM1 | 01/19/22 08:53 | 01/21/22 08:53 | µg/m$^3$ | ND | 1.95 | Acenaphthylene |
| SAM1 | 01/19/22 08:53 | 01/21/22 08:53 | µg/m$^3$ | ND | 1.95 | Acenaphthene |
| SAM1 | 01/19/22 08:53 | 01/21/22 08:53 | µg/m$^3$ | ND | 1.95 | Fluorene |
| SAM1 | 01/19/22 08:53 | 01/21/22 08:53 | µg/m$^3$ | ND | 1.95 | PheNDthrene |
| SAM1 | 01/19/22 08:53 | 01/21/22 08:53 | µg/m$^3$ | ND | 1.95 | Anthracene |
| SAM1 | 01/19/22 08:53 | 01/21/22 08:53 | µg/m$^3$ | ND | 1.95 | Fluoranthene |
| SAM1 | 01/19/22 08:53 | 01/21/22 08:53 | µg/m$^3$ | ND | 1.95 | Pyrene |
| SAM1 | 01/19/22 08:53 | 01/21/22 08:53 | µg/m$^3$ | ND | 1.95 | Chrysene |
| SAM1 | 01/19/22 08:53 | 01/21/22 08:53 | µg/m$^3$ | ND | 1.95 | Benzo(a)anthracene |
| SAM1 | 01/19/22 08:53 | 01/21/22 08:53 | µg/m$^3$ | ND | 1.95 | Benzo(b)fluoranthene |
| SAM1 | 01/19/22 08:53 | 01/21/22 08:53 | µg/m$^3$ | ND | 1.95 | Benzo(k)fluoranthene |
| SAM1 | 01/19/22 08:53 | 01/21/22 08:53 | µg/m$^3$ | ND | 1.95 | Benzo(a)pyrene |
| SAM1 | 01/19/22 08:53 | 01/21/22 08:53 | µg/m$^3$ | ND | 1.95 | Indeno(1,2,3-c,d)pyrene |
| SAM1 | 01/19/22 08:53 | 01/21/22 08:53 | µg/m$^3$ | ND | 1.95 | Dibenz(a,h)anthracene |
| SAM1 | 01/19/22 08:53 | 01/21/22 08:53 | µg/m$^3$ | ND | 1.95 | Benzo(g,h,i)perylene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM2 | 01/19/22 08:48 | 01/21/22 08:34 | µg/m$^3$ | ND | 2.09 | Naphthalene |
| SAM2 | 01/19/22 08:48 | 01/21/22 08:34 | µg/m$^3$ | ND | 2.09 | 2-Methylnaphthalene |
| SAM2 | 01/19/22 08:48 | 01/21/22 08:34 | µg/m$^3$ | ND | 2.09 | 2-Chloronaphthalene |
| SAM2 | 01/19/22 08:48 | 01/21/22 08:34 | µg/m$^3$ | ND | 2.09 | Acenaphthylene |
| SAM2 | 01/19/22 08:48 | 01/21/22 08:34 | µg/m$^3$ | ND | 2.09 | Acenaphthene |
| SAM2 | 01/19/22 08:48 | 01/21/22 08:34 | µg/m$^3$ | ND | 2.09 | Fluorene |
| SAM2 | 01/19/22 08:48 | 01/21/22 08:34 | µg/m$^3$ | ND | 2.09 | PheNDthrene |
| SAM2 | 01/19/22 08:48 | 01/21/22 08:34 | µg/m$^3$ | ND | 2.09 | Anthracene |
| SAM2 | 01/19/22 08:48 | 01/21/22 08:34 | µg/m$^3$ | ND | 2.09 | Fluoranthene |
| SAM2 | 01/19/22 08:48 | 01/21/22 08:34 | µg/m$^3$ | ND | 2.09 | Pyrene |
| SAM2 | 01/19/22 08:48 | 01/21/22 08:34 | µg/m$^3$ | ND | 2.09 | Chrysene |
| SAM2 | 01/19/22 08:48 | 01/21/22 08:34 | µg/m$^3$ | ND | 2.09 | Benzo(a)anthracene |
| SAM2 | 01/19/22 08:48 | 01/21/22 08:34 | µg/m$^3$ | ND | 2.09 | Benzo(b)fluoranthene |
| SAM2 | 01/19/22 08:48 | 01/21/22 08:34 | µg/m$^3$ | ND | 2.09 | Benzo(k)fluoranthene |
| SAM2 | 01/19/22 08:48 | 01/21/22 08:34 | µg/m$^3$ | ND | 2.09 | Benzo(a)pyrene |
| SAM2 | 01/19/22 08:48 | 01/21/22 08:34 | µg/m$^3$ | ND | 2.09 | Indeno(1,2,3-c,d)pyrene |
| SAM2 | 01/19/22 08:48 | 01/21/22 08:34 | µg/m$^3$ | ND | 2.09 | Dibenz(a,h)anthracene |
| SAM2 | 01/19/22 08:48 | 01/21/22 08:34 | µg/m$^3$ | ND | 2.09 | Benzo(g,h,i)perylene |
| SAM3 | 01/19/22 08:50 | 01/21/22 08:40 | µg/m$^3$ | ND | 1.95 | Naphthalene |
| SAM3 | 01/19/22 08:50 | 01/21/22 08:40 | µg/m$^3$ | ND | 1.95 | 2-Methylnaphthalene |
| SAM3 | 01/19/22 08:50 | 01/21/22 08:40 | µg/m$^3$ | ND | 1.95 | 2-Chloronaphthalene |
| SAM3 | 01/19/22 08:50 | 01/21/22 08:40 | µg/m$^3$ | ND | 1.95 | Acenaphthylene |
| SAM3 | 01/19/22 08:50 | 01/21/22 08:40 | µg/m$^3$ | ND | 1.95 | Acenaphthene |
| SAM3 | 01/19/22 08:50 | 01/21/22 08:40 | µg/m$^3$ | ND | 1.95 | Fluorene |
| SAM3 | 01/19/22 08:50 | 01/21/22 08:40 | µg/m$^3$ | ND | 1.95 | PheNDthrene |
| SAM3 | 01/19/22 08:50 | 01/21/22 08:40 | µg/m$^3$ | ND | 1.95 | Anthracene |
| SAM3 | 01/19/22 08:50 | 01/21/22 08:40 | µg/m$^3$ | ND | 1.95 | Fluoranthene |
| SAM3 | 01/19/22 08:50 | 01/21/22 08:40 | µg/m$^3$ | ND | 1.95 | Pyrene |
| SAM3 | 01/19/22 08:50 | 01/21/22 08:40 | µg/m$^3$ | ND | 1.95 | Chrysene |
| SAM3 | 01/19/22 08:50 | 01/21/22 08:40 | µg/m$^3$ | ND | 1.95 | Benzo(a)anthracene |
| SAM3 | 01/19/22 08:50 | 01/21/22 08:40 | µg/m$^3$ | ND | 1.95 | Benzo(b)fluoranthene |
| SAM3 | 01/19/22 08:50 | 01/21/22 08:40 | µg/m$^3$ | ND | 1.95 | Benzo(k)fluoranthene |
| SAM3 | 01/19/22 08:50 | 01/21/22 08:40 | µg/m$^3$ | ND | 1.95 | Benzo(a)pyrene |
| SAM3 | 01/19/22 08:50 | 01/21/22 08:40 | µg/m$^3$ | ND | 1.95 | Indeno(1,2,3-c,d)pyrene |
| SAM3 | 01/19/22 08:50 | 01/21/22 08:40 | µg/m$^3$ | ND | 1.95 | Dibenz(a,h)anthracene |
| SAM3 | 01/19/22 08:50 | 01/21/22 08:40 | µg/m$^3$ | ND | 1.95 | Benzo(g,h,i)perylene |
| SAM4 | 01/19/22 09:01 | 01/21/22 09:09 | µg/m$^3$ | ND | 1.98 | Naphthalene |
| SAM4 | 01/19/22 09:01 | 01/21/22 09:09 | µg/m$^3$ | ND | 1.98 | 2-Methylnaphthalene |
| SAM4 | 01/19/22 09:01 | 01/21/22 09:09 | µg/m$^3$ | ND | 1.98 | 2-Chloronaphthalene |
| SAM4 | 01/19/22 09:01 | 01/21/22 09:09 | µg/m$^3$ | ND | 1.98 | Acenaphthylene |
| SAM4 | 01/19/22 09:01 | 01/21/22 09:09 | µg/m$^3$ | ND | 1.98 | Acenaphthene |
| SAM4 | 01/19/22 09:01 | 01/21/22 09:09 | µg/m$^3$ | ND | 1.98 | Fluorene |
| SAM4 | 01/19/22 09:01 | 01/21/22 09:09 | µg/m$^3$ | ND | 1.98 | PheNDthrene |
| SAM4 | 01/19/22 09:01 | 01/21/22 09:09 | µg/m$^3$ | ND | 1.98 | Anthracene |
| SAM4 | 01/19/22 09:01 | 01/21/22 09:09 | µg/m$^3$ | ND | 1.98 | Fluoranthene |
| SAM4 | 01/19/22 09:01 | 01/21/22 09:09 | µg/m$^3$ | ND | 1.98 | Pyrene |
| SAM4 | 01/19/22 09:01 | 01/21/22 09:09 | µg/m$^3$ | ND | 1.98 | Chrysene |
| SAM4 | 01/19/22 09:01 | 01/21/22 09:09 | µg/m$^3$ | ND | 1.98 | Benzo(a)anthracene |
| SAM4 | 01/19/22 09:01 | 01/21/22 09:09 | µg/m$^3$ | ND | 1.98 | Benzo(b)fluoranthene |
| SAM4 | 01/19/22 09:01 | 01/21/22 09:09 | µg/m$^3$ | ND | 1.98 | Benzo(k)fluoranthene |
| SAM4 | 01/19/22 09:01 | 01/21/22 09:09 | µg/m$^3$ | ND | 1.98 | Benzo(a)pyrene |
| SAM4 | 01/19/22 09:01 | 01/21/22 09:09 | µg/m$^3$ | ND | 1.98 | Indeno(1,2,3-c,d)pyrene |
| SAM4 | 01/19/22 09:01 | 01/21/22 09:09 | µg/m$^3$ | ND | 1.98 | Dibenz(a,h)anthracene |
| SAM4 | 01/19/22 09:01 | 01/21/22 09:09 | µg/m$^3$ | ND | 1.98 | Benzo(g,h,i)perylene |
| SAM5 | 01/19/22 08:58 | 01/21/22 09:02 | µg/m$^3$ | ND | 1.98 | Naphthalene |
| SAM5 | 01/19/22 08:58 | 01/21/22 09:02 | µg/m$^3$ | ND | 1.98 | 2-Methylnaphthalene |
| SAM5 | 01/19/22 08:58 | 01/21/22 09:02 | µg/m$^3$ | ND | 1.98 | 2-Chloronaphthalene |
| SAM5 | 01/19/22 08:58 | 01/21/22 09:02 | µg/m$^3$ | ND | 1.98 | Acenaphthylene |
| SAM5 | 01/19/22 08:58 | 01/21/22 09:02 | µg/m$^3$ | ND | 1.98 | Acenaphthene |
| SAM5 | 01/19/22 08:58 | 01/21/22 09:02 | µg/m$^3$ | ND | 1.98 | Fluorene |
| SAM5 | 01/19/22 08:58 | 01/21/22 09:02 | µg/m$^3$ | ND | 1.98 | PheNDthrene |
| SAM5 | 01/19/22 08:58 | 01/21/22 09:02 | µg/m$^3$ | ND | 1.98 | Anthracene |
| SAM5 | 01/19/22 08:58 | 01/21/22 09:02 | µg/m$^3$ | ND | 1.98 | Fluoranthene |
| SAM5 | 01/19/22 08:58 | 01/21/22 09:02 | µg/m$^3$ | ND | 1.98 | Pyrene |
| SAM5 | 01/19/22 08:58 | 01/21/22 09:02 | µg/m$^3$ | ND | 1.98 | Chrysene |
| SAM5 | 01/19/22 08:58 | 01/21/22 09:02 | µg/m$^3$ | ND | 1.98 | Benzo(a)anthracene |
| SAM5 | 01/19/22 08:58 | 01/21/22 09:02 | µg/m$^3$ | ND | 1.98 | Benzo(b)fluoranthene |
| SAM5 | 01/19/22 08:58 | 01/21/22 09:02 | µg/m$^3$ | ND | 1.98 | Benzo(k)fluoranthene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM5 | 01/19/22 08:58 | 01/21/22 09:02 | µg/m$^3$ | ND | 1.98 | Benzo(a)pyrene |
| SAM5 | 01/19/22 08:58 | 01/21/22 09:02 | µg/m$^3$ | ND | 1.98 | Indeno(1,2,3-c,d)pyrene |
| SAM5 | 01/19/22 08:58 | 01/21/22 09:02 | µg/m$^3$ | ND | 1.98 | Dibenz(a,h)anthracene |
| SAM5 | 01/19/22 08:58 | 01/21/22 09:02 | µg/m$^3$ | ND | 1.98 | Benzo(g,h,i)perylene |
| SAM1 | 01/24/22 08:18 | 01/26/22 07:53 | µg/m$^3$ | 0.18 | 1.93 | Naphthalene |
| SAM1 | 01/24/22 08:18 | 01/26/22 07:53 | µg/m$^3$ | ND | 1.93 | 2-Methylnaphthalene |
| SAM1 | 01/24/22 08:18 | 01/26/22 07:53 | µg/m$^3$ | ND | 1.93 | 2-Chloronaphthalene |
| SAM1 | 01/24/22 08:18 | 01/26/22 07:53 | µg/m$^3$ | ND | 1.93 | Acenaphthylene |
| SAM1 | 01/24/22 08:18 | 01/26/22 07:53 | µg/m$^3$ | ND | 1.93 | Acenaphthene |
| SAM1 | 01/24/22 08:18 | 01/26/22 07:53 | µg/m$^3$ | ND | 1.93 | Fluorene |
| SAM1 | 01/24/22 08:18 | 01/26/22 07:53 | µg/m$^3$ | ND | 1.93 | PheNDthrene |
| SAM1 | 01/24/22 08:18 | 01/26/22 07:53 | µg/m$^3$ | ND | 1.93 | Anthracene |
| SAM1 | 01/24/22 08:18 | 01/26/22 07:53 | µg/m$^3$ | ND | 1.93 | Fluoranthene |
| SAM1 | 01/24/22 08:18 | 01/26/22 07:53 | µg/m$^3$ | ND | 1.93 | Pyrene |
| SAM1 | 01/24/22 08:18 | 01/26/22 07:53 | µg/m$^3$ | ND | 1.93 | Chrysene |
| SAM1 | 01/24/22 08:18 | 01/26/22 07:53 | µg/m$^3$ | ND | 1.93 | Benzo(a)anthracene |
| SAM1 | 01/24/22 08:18 | 01/26/22 07:53 | µg/m$^3$ | ND | 1.93 | Benzo(b)fluoranthene |
| SAM1 | 01/24/22 08:18 | 01/26/22 07:53 | µg/m$^3$ | ND | 1.93 | Benzo(k)fluoranthene |
| SAM1 | 01/24/22 08:18 | 01/26/22 07:53 | µg/m$^3$ | ND | 1.93 | Benzo(a)pyrene |
| SAM1 | 01/24/22 08:18 | 01/26/22 07:53 | µg/m$^3$ | ND | 1.93 | Indeno(1,2,3-c,d)pyrene |
| SAM1 | 01/24/22 08:18 | 01/26/22 07:53 | µg/m$^3$ | ND | 1.93 | Dibenz(a,h)anthracene |
| SAM1 | 01/24/22 08:18 | 01/26/22 07:53 | µg/m$^3$ | ND | 1.93 | Benzo(g,h,i)perylene |
| SAM2 | 01/24/22 07:59 | 01/26/22 07:38 | µg/m$^3$ | ND | 1.93 | Naphthalene |
| SAM2 | 01/24/22 07:59 | 01/26/22 07:38 | µg/m$^3$ | ND | 1.93 | 2-Methylnaphthalene |
| SAM2 | 01/24/22 07:59 | 01/26/22 07:38 | µg/m$^3$ | ND | 1.93 | 2-Chloronaphthalene |
| SAM2 | 01/24/22 07:59 | 01/26/22 07:38 | µg/m$^3$ | ND | 1.93 | Acenaphthylene |
| SAM2 | 01/24/22 07:59 | 01/26/22 07:38 | µg/m$^3$ | ND | 1.93 | Acenaphthene |
| SAM2 | 01/24/22 07:59 | 01/26/22 07:38 | µg/m$^3$ | ND | 1.93 | Fluorene |
| SAM2 | 01/24/22 07:59 | 01/26/22 07:38 | µg/m$^3$ | ND | 1.93 | PheNDthrene |
| SAM2 | 01/24/22 07:59 | 01/26/22 07:38 | µg/m$^3$ | ND | 1.93 | Anthracene |
| SAM2 | 01/24/22 07:59 | 01/26/22 07:38 | µg/m$^3$ | ND | 1.93 | Fluoranthene |
| SAM2 | 01/24/22 07:59 | 01/26/22 07:38 | µg/m$^3$ | ND | 1.93 | Pyrene |
| SAM2 | 01/24/22 07:59 | 01/26/22 07:38 | µg/m$^3$ | ND | 1.93 | Chrysene |
| SAM2 | 01/24/22 07:59 | 01/26/22 07:38 | µg/m$^3$ | ND | 1.93 | Benzo(a)anthracene |
| SAM2 | 01/24/22 07:59 | 01/26/22 07:38 | µg/m$^3$ | ND | 1.93 | Benzo(b)fluoranthene |
| SAM2 | 01/24/22 07:59 | 01/26/22 07:38 | µg/m$^3$ | ND | 1.93 | Benzo(k)fluoranthene |
| SAM2 | 01/24/22 07:59 | 01/26/22 07:38 | µg/m$^3$ | ND | 1.93 | Benzo(a)pyrene |
| SAM2 | 01/24/22 07:59 | 01/26/22 07:38 | µg/m$^3$ | ND | 1.93 | Indeno(1,2,3-c,d)pyrene |
| SAM2 | 01/24/22 07:59 | 01/26/22 07:38 | µg/m$^3$ | ND | 1.93 | Dibenz(a,h)anthracene |
| SAM2 | 01/24/22 07:59 | 01/26/22 07:38 | µg/m$^3$ | ND | 1.93 | Benzo(g,h,i)perylene |
| SAM3 | 01/24/22 08:07 | 01/26/22 07:46 | µg/m$^3$ | ND | 1.95 | Naphthalene |
| SAM3 | 01/24/22 08:07 | 01/26/22 07:46 | µg/m$^3$ | ND | 1.95 | 2-Methylnaphthalene |
| SAM3 | 01/24/22 08:07 | 01/26/22 07:46 | µg/m$^3$ | ND | 1.95 | 2-Chloronaphthalene |
| SAM3 | 01/24/22 08:07 | 01/26/22 07:46 | µg/m$^3$ | ND | 1.95 | Acenaphthylene |
| SAM3 | 01/24/22 08:07 | 01/26/22 07:46 | µg/m$^3$ | ND | 1.95 | Acenaphthene |
| SAM3 | 01/24/22 08:07 | 01/26/22 07:46 | µg/m$^3$ | ND | 1.95 | Fluorene |
| SAM3 | 01/24/22 08:07 | 01/26/22 07:46 | µg/m$^3$ | ND | 1.95 | PheNDthrene |
| SAM3 | 01/24/22 08:07 | 01/26/22 07:46 | µg/m$^3$ | ND | 1.95 | Anthracene |
| SAM3 | 01/24/22 08:07 | 01/26/22 07:46 | µg/m$^3$ | ND | 1.95 | Fluoranthene |
| SAM3 | 01/24/22 08:07 | 01/26/22 07:46 | µg/m$^3$ | ND | 1.95 | Pyrene |
| SAM3 | 01/24/22 08:07 | 01/26/22 07:46 | µg/m$^3$ | ND | 1.95 | Chrysene |
| SAM3 | 01/24/22 08:07 | 01/26/22 07:46 | µg/m$^3$ | ND | 1.95 | Benzo(a)anthracene |
| SAM3 | 01/24/22 08:07 | 01/26/22 07:46 | µg/m$^3$ | ND | 1.95 | Benzo(b)fluoranthene |
| SAM3 | 01/24/22 08:07 | 01/26/22 07:46 | µg/m$^3$ | ND | 1.95 | Benzo(k)fluoranthene |
| SAM3 | 01/24/22 08:07 | 01/26/22 07:46 | µg/m$^3$ | ND | 1.95 | Benzo(a)pyrene |
| SAM3 | 01/24/22 08:07 | 01/26/22 07:46 | µg/m$^3$ | ND | 1.95 | Indeno(1,2,3-c,d)pyrene |
| SAM3 | 01/24/22 08:07 | 01/26/22 07:46 | µg/m$^3$ | ND | 1.95 | Dibenz(a,h)anthracene |
| SAM3 | 01/24/22 08:07 | 01/26/22 07:46 | µg/m$^3$ | ND | 1.95 | Benzo(g,h,i)perylene |
| SAM4 | 01/24/22 08:38 | 01/26/22 08:11 | µg/m$^3$ | ND | 1.94 | Naphthalene |
| SAM4 | 01/24/22 08:38 | 01/26/22 08:11 | µg/m$^3$ | ND | 1.94 | 2-Methylnaphthalene |
| SAM4 | 01/24/22 08:38 | 01/26/22 08:11 | µg/m$^3$ | ND | 1.94 | 2-Chloronaphthalene |
| SAM4 | 01/24/22 08:38 | 01/26/22 08:11 | µg/m$^3$ | ND | 1.94 | Acenaphthylene |
| SAM4 | 01/24/22 08:38 | 01/26/22 08:11 | µg/m$^3$ | ND | 1.94 | Acenaphthene |
| SAM4 | 01/24/22 08:38 | 01/26/22 08:11 | µg/m$^3$ | ND | 1.94 | Fluorene |
| SAM4 | 01/24/22 08:38 | 01/26/22 08:11 | µg/m$^3$ | ND | 1.94 | PheNDthrene |
| SAM4 | 01/24/22 08:38 | 01/26/22 08:11 | µg/m$^3$ | ND | 1.94 | Anthracene |
| SAM4 | 01/24/22 08:38 | 01/26/22 08:11 | µg/m$^3$ | ND | 1.94 | Fluoranthene |
| SAM4 | 01/24/22 08:38 | 01/26/22 08:11 | µg/m$^3$ | ND | 1.94 | Pyrene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM4 | 01/24/22 08:38 | 01/26/22 08:11 | µg/m$^3$ | ND | 1.94 | Chrysene |
| SAM4 | 01/24/22 08:38 | 01/26/22 08:11 | µg/m$^3$ | ND | 1.94 | Benzo(a)anthracene |
| SAM4 | 01/24/22 08:38 | 01/26/22 08:11 | µg/m$^3$ | ND | 1.94 | Benzo(b)fluoranthene |
| SAM4 | 01/24/22 08:38 | 01/26/22 08:11 | µg/m$^3$ | ND | 1.94 | Benzo(k)fluoranthene |
| SAM4 | 01/24/22 08:38 | 01/26/22 08:11 | µg/m$^3$ | ND | 1.94 | Benzo(a)pyrene |
| SAM4 | 01/24/22 08:38 | 01/26/22 08:11 | µg/m$^3$ | ND | 1.94 | Indeno(1,2,3-c,d)pyrene |
| SAM4 | 01/24/22 08:38 | 01/26/22 08:11 | µg/m$^3$ | ND | 1.94 | Dibenz(a,h)anthracene |
| SAM4 | 01/24/22 08:38 | 01/26/22 08:11 | µg/m$^3$ | ND | 1.94 | Benzo(g,h,i)perylene |
| SAM5 | 01/24/22 08:28 | 01/26/22 08:03 | µg/m$^3$ | ND | 1.98 | Naphthalene |
| SAM5 | 01/24/22 08:28 | 01/26/22 08:03 | µg/m$^3$ | ND | 1.98 | 2-Methylnaphthalene |
| SAM5 | 01/24/22 08:28 | 01/26/22 08:03 | µg/m$^3$ | ND | 1.98 | 2-Chloronaphthalene |
| SAM5 | 01/24/22 08:28 | 01/26/22 08:03 | µg/m$^3$ | ND | 1.98 | Acenaphthylene |
| SAM5 | 01/24/22 08:28 | 01/26/22 08:03 | µg/m$^3$ | ND | 1.98 | Acenaphthene |
| SAM5 | 01/24/22 08:28 | 01/26/22 08:03 | µg/m$^3$ | ND | 1.98 | Fluorene |
| SAM5 | 01/24/22 08:28 | 01/26/22 08:03 | µg/m$^3$ | ND | 1.98 | PheNDthrene |
| SAM5 | 01/24/22 08:28 | 01/26/22 08:03 | µg/m$^3$ | ND | 1.98 | Anthracene |
| SAM5 | 01/24/22 08:28 | 01/26/22 08:03 | µg/m$^3$ | ND | 1.98 | Fluoranthene |
| SAM5 | 01/24/22 08:28 | 01/26/22 08:03 | µg/m$^3$ | ND | 1.98 | Pyrene |
| SAM5 | 01/24/22 08:28 | 01/26/22 08:03 | µg/m$^3$ | ND | 1.98 | Chrysene |
| SAM5 | 01/24/22 08:28 | 01/26/22 08:03 | µg/m$^3$ | ND | 1.98 | Benzo(a)anthracene |
| SAM5 | 01/24/22 08:28 | 01/26/22 08:03 | µg/m$^3$ | ND | 1.98 | Benzo(b)fluoranthene |
| SAM5 | 01/24/22 08:28 | 01/26/22 08:03 | µg/m$^3$ | ND | 1.98 | Benzo(k)fluoranthene |
| SAM5 | 01/24/22 08:28 | 01/26/22 08:03 | µg/m$^3$ | ND | 1.98 | Benzo(a)pyrene |
| SAM5 | 01/24/22 08:28 | 01/26/22 08:03 | µg/m$^3$ | ND | 1.98 | Indeno(1,2,3-c,d)pyrene |
| SAM5 | 01/24/22 08:28 | 01/26/22 08:03 | µg/m$^3$ | ND | 1.98 | Dibenz(a,h)anthracene |
| SAM5 | 01/24/22 08:28 | 01/26/22 08:03 | µg/m$^3$ | ND | 1.98 | Benzo(g,h,i)perylene |
| SAM1 | 01/26/22 09:35 | 01/28/22 08:03 | µg/m$^3$ | ND | 2.04 | Naphthalene |
| SAM1 | 01/26/22 09:35 | 01/28/22 08:03 | µg/m$^3$ | ND | 2.04 | 2-Methylnaphthalene |
| SAM1 | 01/26/22 09:35 | 01/28/22 08:03 | µg/m$^3$ | ND | 2.04 | 2-Chloronaphthalene |
| SAM1 | 01/26/22 09:35 | 01/28/22 08:03 | µg/m$^3$ | ND | 2.04 | Acenaphthylene |
| SAM1 | 01/26/22 09:35 | 01/28/22 08:03 | µg/m$^3$ | ND | 2.04 | Acenaphthene |
| SAM1 | 01/26/22 09:35 | 01/28/22 08:03 | µg/m$^3$ | ND | 2.04 | Fluorene |
| SAM1 | 01/26/22 09:35 | 01/28/22 08:03 | µg/m$^3$ | ND | 2.04 | PheNDthrene |
| SAM1 | 01/26/22 09:35 | 01/28/22 08:03 | µg/m$^3$ | ND | 2.04 | Anthracene |
| SAM1 | 01/26/22 09:35 | 01/28/22 08:03 | µg/m$^3$ | ND | 2.04 | Fluoranthene |
| SAM1 | 01/26/22 09:35 | 01/28/22 08:03 | µg/m$^3$ | ND | 2.04 | Pyrene |
| SAM1 | 01/26/22 09:35 | 01/28/22 08:03 | µg/m$^3$ | ND | 2.04 | Chrysene |
| SAM1 | 01/26/22 09:35 | 01/28/22 08:03 | µg/m$^3$ | ND | 2.04 | Benzo(a)anthracene |
| SAM1 | 01/26/22 09:35 | 01/28/22 08:03 | µg/m$^3$ | ND | 2.04 | Benzo(b)fluoranthene |
| SAM1 | 01/26/22 09:35 | 01/28/22 08:03 | µg/m$^3$ | ND | 2.04 | Benzo(k)fluoranthene |
| SAM1 | 01/26/22 09:35 | 01/28/22 08:03 | µg/m$^3$ | ND | 2.04 | Benzo(a)pyrene |
| SAM1 | 01/26/22 09:35 | 01/28/22 08:03 | µg/m$^3$ | ND | 2.04 | Indeno(1,2,3-c,d)pyrene |
| SAM1 | 01/26/22 09:35 | 01/28/22 08:03 | µg/m$^3$ | ND | 2.04 | Dibenz(a,h)anthracene |
| SAM1 | 01/26/22 09:35 | 01/28/22 08:03 | µg/m$^3$ | ND | 2.04 | Benzo(g,h,i)perylene |
| SAM2 | 01/26/22 09:21 | 01/28/22 07:50 | µg/m$^3$ | 0.17 | 2.07 | Naphthalene |
| SAM2 | 01/26/22 09:21 | 01/28/22 07:50 | µg/m$^3$ | ND | 2.07 | 2-Methylnaphthalene |
| SAM2 | 01/26/22 09:21 | 01/28/22 07:50 | µg/m$^3$ | ND | 2.07 | 2-Chloronaphthalene |
| SAM2 | 01/26/22 09:21 | 01/28/22 07:50 | µg/m$^3$ | ND | 2.07 | Acenaphthylene |
| SAM2 | 01/26/22 09:21 | 01/28/22 07:50 | µg/m$^3$ | ND | 2.07 | Acenaphthene |
| SAM2 | 01/26/22 09:21 | 01/28/22 07:50 | µg/m$^3$ | ND | 2.07 | Fluorene |
| SAM2 | 01/26/22 09:21 | 01/28/22 07:50 | µg/m$^3$ | ND | 2.07 | PheNDthrene |
| SAM2 | 01/26/22 09:21 | 01/28/22 07:50 | µg/m$^3$ | ND | 2.07 | Anthracene |
| SAM2 | 01/26/22 09:21 | 01/28/22 07:50 | µg/m$^3$ | ND | 2.07 | Fluoranthene |
| SAM2 | 01/26/22 09:21 | 01/28/22 07:50 | µg/m$^3$ | ND | 2.07 | Pyrene |
| SAM2 | 01/26/22 09:21 | 01/28/22 07:50 | µg/m$^3$ | ND | 2.07 | Chrysene |
| SAM2 | 01/26/22 09:21 | 01/28/22 07:50 | µg/m$^3$ | ND | 2.07 | Benzo(a)anthracene |
| SAM2 | 01/26/22 09:21 | 01/28/22 07:50 | µg/m$^3$ | ND | 2.07 | Benzo(b)fluoranthene |
| SAM2 | 01/26/22 09:21 | 01/28/22 07:50 | µg/m$^3$ | ND | 2.07 | Benzo(k)fluoranthene |
| SAM2 | 01/26/22 09:21 | 01/28/22 07:50 | µg/m$^3$ | ND | 2.07 | Benzo(a)pyrene |
| SAM2 | 01/26/22 09:21 | 01/28/22 07:50 | µg/m$^3$ | ND | 2.07 | Indeno(1,2,3-c,d)pyrene |
| SAM2 | 01/26/22 09:21 | 01/28/22 07:50 | µg/m$^3$ | ND | 2.07 | Dibenz(a,h)anthracene |
| SAM2 | 01/26/22 09:21 | 01/28/22 07:50 | µg/m$^3$ | ND | 2.07 | Benzo(g,h,i)perylene |
| SAM3 | 01/26/22 09:30 | 01/28/22 07:56 | µg/m$^3$ | ND | 2.05 | Naphthalene |
| SAM3 | 01/26/22 09:30 | 01/28/22 07:56 | µg/m$^3$ | ND | 2.05 | 2-Methylnaphthalene |
| SAM3 | 01/26/22 09:30 | 01/28/22 07:56 | µg/m$^3$ | ND | 2.05 | 2-Chloronaphthalene |
| SAM3 | 01/26/22 09:30 | 01/28/22 07:56 | µg/m$^3$ | ND | 2.05 | Acenaphthylene |
| SAM3 | 01/26/22 09:30 | 01/28/22 07:56 | µg/m$^3$ | ND | 2.05 | Acenaphthene |
| SAM3 | 01/26/22 09:30 | 01/28/22 07:56 | µg/m$^3$ | ND | 2.05 | Fluorene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM3 | 01/26/22 09:30 | 01/28/22 07:56 | µg/m$^3$ | ND | 2.05 | PheNDthrene |
| SAM3 | 01/26/22 09:30 | 01/28/22 07:56 | µg/m$^3$ | ND | 2.05 | Anthracene |
| SAM3 | 01/26/22 09:30 | 01/28/22 07:56 | µg/m$^3$ | ND | 2.05 | Fluoranthene |
| SAM3 | 01/26/22 09:30 | 01/28/22 07:56 | µg/m$^3$ | ND | 2.05 | Pyrene |
| SAM3 | 01/26/22 09:30 | 01/28/22 07:56 | µg/m$^3$ | ND | 2.05 | Chrysene |
| SAM3 | 01/26/22 09:30 | 01/28/22 07:56 | µg/m$^3$ | ND | 2.05 | Benzo(a)anthracene |
| SAM3 | 01/26/22 09:30 | 01/28/22 07:56 | µg/m$^3$ | ND | 2.05 | Benzo(b)fluoranthene |
| SAM3 | 01/26/22 09:30 | 01/28/22 07:56 | µg/m$^3$ | ND | 2.05 | Benzo(k)fluoranthene |
| SAM3 | 01/26/22 09:30 | 01/28/22 07:56 | µg/m$^3$ | ND | 2.05 | Benzo(a)pyrene |
| SAM3 | 01/26/22 09:30 | 01/28/22 07:56 | µg/m$^3$ | ND | 2.05 | Indeno(1,2,3-c,d)pyrene |
| SAM3 | 01/26/22 09:30 | 01/28/22 07:56 | µg/m$^3$ | ND | 2.05 | Dibenz(a,h)anthracene |
| SAM3 | 01/26/22 09:30 | 01/28/22 07:56 | µg/m$^3$ | ND | 2.05 | Benzo(g,h,i)perylene |
| SAM4 | 01/26/22 09:44 | 01/28/22 08:22 | µg/m$^3$ | 0.22 | 2.14 | Naphthalene |
| SAM4 | 01/26/22 09:44 | 01/28/22 08:22 | µg/m$^3$ | ND | 2.14 | 2-Methylnaphthalene |
| SAM4 | 01/26/22 09:44 | 01/28/22 08:22 | µg/m$^3$ | ND | 2.14 | 2-Chloronaphthalene |
| SAM4 | 01/26/22 09:44 | 01/28/22 08:22 | µg/m$^3$ | ND | 2.14 | Acenaphthylene |
| SAM4 | 01/26/22 09:44 | 01/28/22 08:22 | µg/m$^3$ | ND | 2.14 | Acenaphthene |
| SAM4 | 01/26/22 09:44 | 01/28/22 08:22 | µg/m$^3$ | ND | 2.14 | Fluorene |
| SAM4 | 01/26/22 09:44 | 01/28/22 08:22 | µg/m$^3$ | ND | 2.14 | PheNDthrene |
| SAM4 | 01/26/22 09:44 | 01/28/22 08:22 | µg/m$^3$ | ND | 2.14 | Anthracene |
| SAM4 | 01/26/22 09:44 | 01/28/22 08:22 | µg/m$^3$ | ND | 2.14 | Fluoranthene |
| SAM4 | 01/26/22 09:44 | 01/28/22 08:22 | µg/m$^3$ | ND | 2.14 | Pyrene |
| SAM4 | 01/26/22 09:44 | 01/28/22 08:22 | µg/m$^3$ | ND | 2.14 | Chrysene |
| SAM4 | 01/26/22 09:44 | 01/28/22 08:22 | µg/m$^3$ | ND | 2.14 | Benzo(a)anthracene |
| SAM4 | 01/26/22 09:44 | 01/28/22 08:22 | µg/m$^3$ | ND | 2.14 | Benzo(b)fluoranthene |
| SAM4 | 01/26/22 09:44 | 01/28/22 08:22 | µg/m$^3$ | ND | 2.14 | Benzo(k)fluoranthene |
| SAM4 | 01/26/22 09:44 | 01/28/22 08:22 | µg/m$^3$ | ND | 2.14 | Benzo(a)pyrene |
| SAM4 | 01/26/22 09:44 | 01/28/22 08:22 | µg/m$^3$ | ND | 2.14 | Indeno(1,2,3-c,d)pyrene |
| SAM4 | 01/26/22 09:44 | 01/28/22 08:22 | µg/m$^3$ | ND | 2.14 | Dibenz(a,h)anthracene |
| SAM4 | 01/26/22 09:44 | 01/28/22 08:22 | µg/m$^3$ | ND | 2.14 | Benzo(g,h,i)perylene |
| SAM5 | 01/26/22 09:39 | 01/28/22 08:10 | µg/m$^3$ | ND | 2.05 | Naphthalene |
| SAM5 | 01/26/22 09:39 | 01/28/22 08:10 | µg/m$^3$ | ND | 2.05 | 2-Methylnaphthalene |
| SAM5 | 01/26/22 09:39 | 01/28/22 08:10 | µg/m$^3$ | ND | 2.05 | 2-Chloronaphthalene |
| SAM5 | 01/26/22 09:39 | 01/28/22 08:10 | µg/m$^3$ | ND | 2.05 | Acenaphthylene |
| SAM5 | 01/26/22 09:39 | 01/28/22 08:10 | µg/m$^3$ | ND | 2.05 | Acenaphthene |
| SAM5 | 01/26/22 09:39 | 01/28/22 08:10 | µg/m$^3$ | ND | 2.05 | Fluorene |
| SAM5 | 01/26/22 09:39 | 01/28/22 08:10 | µg/m$^3$ | ND | 2.05 | PheNDthrene |
| SAM5 | 01/26/22 09:39 | 01/28/22 08:10 | µg/m$^3$ | ND | 2.05 | Anthracene |
| SAM5 | 01/26/22 09:39 | 01/28/22 08:10 | µg/m$^3$ | ND | 2.05 | Fluoranthene |
| SAM5 | 01/26/22 09:39 | 01/28/22 08:10 | µg/m$^3$ | ND | 2.05 | Pyrene |
| SAM5 | 01/26/22 09:39 | 01/28/22 08:10 | µg/m$^3$ | ND | 2.05 | Chrysene |
| SAM5 | 01/26/22 09:39 | 01/28/22 08:10 | µg/m$^3$ | ND | 2.05 | Benzo(a)anthracene |
| SAM5 | 01/26/22 09:39 | 01/28/22 08:10 | µg/m$^3$ | ND | 2.05 | Benzo(b)fluoranthene |
| SAM5 | 01/26/22 09:39 | 01/28/22 08:10 | µg/m$^3$ | ND | 2.05 | Benzo(k)fluoranthene |
| SAM5 | 01/26/22 09:39 | 01/28/22 08:10 | µg/m$^3$ | ND | 2.05 | Benzo(a)pyrene |
| SAM5 | 01/26/22 09:39 | 01/28/22 08:10 | µg/m$^3$ | ND | 2.05 | Indeno(1,2,3-c,d)pyrene |
| SAM5 | 01/26/22 09:39 | 01/28/22 08:10 | µg/m$^3$ | ND | 2.05 | Dibenz(a,h)anthracene |
| SAM5 | 01/26/22 09:39 | 01/28/22 08:10 | µg/m$^3$ | ND | 2.05 | Benzo(g,h,i)perylene |
| SAM1 | 01/31/22 08:09 | 02/02/22 08:47 | µg/m$^3$ | ND | 2.00 | Naphthalene |
| SAM1 | 01/31/22 08:09 | 02/02/22 08:47 | µg/m$^3$ | ND | 2.00 | 2-Methylnaphthalene |
| SAM1 | 01/31/22 08:09 | 02/02/22 08:47 | µg/m$^3$ | ND | 2.00 | 2-Chloronaphthalene |
| SAM1 | 01/31/22 08:09 | 02/02/22 08:47 | µg/m$^3$ | ND | 2.00 | Acenaphthylene |
| SAM1 | 01/31/22 08:09 | 02/02/22 08:47 | µg/m$^3$ | ND | 2.00 | Acenaphthene |
| SAM1 | 01/31/22 08:09 | 02/02/22 08:47 | µg/m$^3$ | ND | 2.00 | Fluorene |
| SAM1 | 01/31/22 08:09 | 02/02/22 08:47 | µg/m$^3$ | ND | 2.00 | PheNDthrene |
| SAM1 | 01/31/22 08:09 | 02/02/22 08:47 | µg/m$^3$ | ND | 2.00 | Anthracene |
| SAM1 | 01/31/22 08:09 | 02/02/22 08:47 | µg/m$^3$ | ND | 2.00 | Fluoranthene |
| SAM1 | 01/31/22 08:09 | 02/02/22 08:47 | µg/m$^3$ | ND | 2.00 | Pyrene |
| SAM1 | 01/31/22 08:09 | 02/02/22 08:47 | µg/m$^3$ | ND | 2.00 | Chrysene |
| SAM1 | 01/31/22 08:09 | 02/02/22 08:47 | µg/m$^3$ | ND | 2.00 | Benzo(a)anthracene |
| SAM1 | 01/31/22 08:09 | 02/02/22 08:47 | µg/m$^3$ | ND | 2.00 | Benzo(b)fluoranthene |
| SAM1 | 01/31/22 08:09 | 02/02/22 08:47 | µg/m$^3$ | ND | 2.00 | Benzo(k)fluoranthene |
| SAM1 | 01/31/22 08:09 | 02/02/22 08:47 | µg/m$^3$ | ND | 2.00 | Benzo(a)pyrene |
| SAM1 | 01/31/22 08:09 | 02/02/22 08:47 | µg/m$^3$ | ND | 2.00 | Indeno(1,2,3-c,d)pyrene |
| SAM1 | 01/31/22 08:09 | 02/02/22 08:47 | µg/m$^3$ | ND | 2.00 | Dibenz(a,h)anthracene |
| SAM1 | 01/31/22 08:09 | 02/02/22 08:47 | µg/m$^3$ | ND | 2.00 | Benzo(g,h,i)perylene |
| SAM2 | 01/31/22 07:55 | 02/02/22 08:13 | µg/m$^3$ | ND | 1.99 | Naphthalene |
| SAM2 | 01/31/22 07:55 | 02/02/22 08:13 | µg/m$^3$ | ND | 1.99 | 2-Methylnaphthalene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM2 | 01/31/22 07:55 | 02/02/22 08:13 | µg/m$^3$ | ND | 1.99 | 2-Chloronaphthalene |
| SAM2 | 01/31/22 07:55 | 02/02/22 08:13 | µg/m$^3$ | ND | 1.99 | Acenaphthylene |
| SAM2 | 01/31/22 07:55 | 02/02/22 08:13 | µg/m$^3$ | ND | 1.99 | Acenaphthene |
| SAM2 | 01/31/22 07:55 | 02/02/22 08:13 | µg/m$^3$ | ND | 1.99 | Fluorene |
| SAM2 | 01/31/22 07:55 | 02/02/22 08:13 | µg/m$^3$ | ND | 1.99 | PheNDthrene |
| SAM2 | 01/31/22 07:55 | 02/02/22 08:13 | µg/m$^3$ | ND | 1.99 | Anthracene |
| SAM2 | 01/31/22 07:55 | 02/02/22 08:13 | µg/m$^3$ | ND | 1.99 | Fluoranthene |
| SAM2 | 01/31/22 07:55 | 02/02/22 08:13 | µg/m$^3$ | ND | 1.99 | Pyrene |
| SAM2 | 01/31/22 07:55 | 02/02/22 08:13 | µg/m$^3$ | ND | 1.99 | Chrysene |
| SAM2 | 01/31/22 07:55 | 02/02/22 08:13 | µg/m$^3$ | ND | 1.99 | Benzo(a)anthracene |
| SAM2 | 01/31/22 07:55 | 02/02/22 08:13 | µg/m$^3$ | ND | 1.99 | Benzo(b)fluoranthene |
| SAM2 | 01/31/22 07:55 | 02/02/22 08:13 | µg/m$^3$ | ND | 1.99 | Benzo(k)fluoranthene |
| SAM2 | 01/31/22 07:55 | 02/02/22 08:13 | µg/m$^3$ | ND | 1.99 | Benzo(a)pyrene |
| SAM2 | 01/31/22 07:55 | 02/02/22 08:13 | µg/m$^3$ | ND | 1.99 | Indeno(1,2,3-c,d)pyrene |
| SAM2 | 01/31/22 07:55 | 02/02/22 08:13 | µg/m$^3$ | ND | 1.99 | Dibenz(a,h)anthracene |
| SAM2 | 01/31/22 07:55 | 02/02/22 08:13 | µg/m$^3$ | ND | 1.99 | Benzo(g,h,i)perylene |
| SAM3 | 01/31/22 08:02 | 02/02/22 08:34 | µg/m$^3$ | ND | 2.02 | Naphthalene |
| SAM3 | 01/31/22 08:02 | 02/02/22 08:34 | µg/m$^3$ | ND | 2.02 | 2-Methylnaphthalene |
| SAM3 | 01/31/22 08:02 | 02/02/22 08:34 | µg/m$^3$ | ND | 2.02 | 2-Chloronaphthalene |
| SAM3 | 01/31/22 08:02 | 02/02/22 08:34 | µg/m$^3$ | ND | 2.02 | Acenaphthylene |
| SAM3 | 01/31/22 08:02 | 02/02/22 08:34 | µg/m$^3$ | ND | 2.02 | Acenaphthene |
| SAM3 | 01/31/22 08:02 | 02/02/22 08:34 | µg/m$^3$ | ND | 2.02 | Fluorene |
| SAM3 | 01/31/22 08:02 | 02/02/22 08:34 | µg/m$^3$ | ND | 2.02 | PheNDthrene |
| SAM3 | 01/31/22 08:02 | 02/02/22 08:34 | µg/m$^3$ | ND | 2.02 | Anthracene |
| SAM3 | 01/31/22 08:02 | 02/02/22 08:34 | µg/m$^3$ | ND | 2.02 | Fluoranthene |
| SAM3 | 01/31/22 08:02 | 02/02/22 08:34 | µg/m$^3$ | ND | 2.02 | Pyrene |
| SAM3 | 01/31/22 08:02 | 02/02/22 08:34 | µg/m$^3$ | ND | 2.02 | Chrysene |
| SAM3 | 01/31/22 08:02 | 02/02/22 08:34 | µg/m$^3$ | ND | 2.02 | Benzo(a)anthracene |
| SAM3 | 01/31/22 08:02 | 02/02/22 08:34 | µg/m$^3$ | ND | 2.02 | Benzo(b)fluoranthene |
| SAM3 | 01/31/22 08:02 | 02/02/22 08:34 | µg/m$^3$ | ND | 2.02 | Benzo(k)fluoranthene |
| SAM3 | 01/31/22 08:02 | 02/02/22 08:34 | µg/m$^3$ | ND | 2.02 | Benzo(a)pyrene |
| SAM3 | 01/31/22 08:02 | 02/02/22 08:34 | µg/m$^3$ | ND | 2.02 | Indeno(1,2,3-c,d)pyrene |
| SAM3 | 01/31/22 08:02 | 02/02/22 08:34 | µg/m$^3$ | ND | 2.02 | Dibenz(a,h)anthracene |
| SAM3 | 01/31/22 08:02 | 02/02/22 08:34 | µg/m$^3$ | ND | 2.02 | Benzo(g,h,i)perylene |
| SAM4 | 01/31/22 08:28 | 02/02/22 08:54 | µg/m$^3$ | 0.4 | 1.91 | Naphthalene |
| SAM4 | 01/31/22 08:28 | 02/02/22 08:54 | µg/m$^3$ | ND | 1.91 | 2-Methylnaphthalene |
| SAM4 | 01/31/22 08:28 | 02/02/22 08:54 | µg/m$^3$ | ND | 1.91 | 2-Chloronaphthalene |
| SAM4 | 01/31/22 08:28 | 02/02/22 08:54 | µg/m$^3$ | ND | 1.91 | Acenaphthylene |
| SAM4 | 01/31/22 08:28 | 02/02/22 08:54 | µg/m$^3$ | ND | 1.91 | Acenaphthene |
| SAM4 | 01/31/22 08:28 | 02/02/22 08:54 | µg/m$^3$ | ND | 1.91 | Fluorene |
| SAM4 | 01/31/22 08:28 | 02/02/22 08:54 | µg/m$^3$ | ND | 1.91 | PheNDthrene |
| SAM4 | 01/31/22 08:28 | 02/02/22 08:54 | µg/m$^3$ | ND | 1.91 | Anthracene |
| SAM4 | 01/31/22 08:28 | 02/02/22 08:54 | µg/m$^3$ | ND | 1.91 | Fluoranthene |
| SAM4 | 01/31/22 08:28 | 02/02/22 08:54 | µg/m$^3$ | ND | 1.91 | Pyrene |
| SAM4 | 01/31/22 08:28 | 02/02/22 08:54 | µg/m$^3$ | ND | 1.91 | Chrysene |
| SAM4 | 01/31/22 08:28 | 02/02/22 08:54 | µg/m$^3$ | ND | 1.91 | Benzo(a)anthracene |
| SAM4 | 01/31/22 08:28 | 02/02/22 08:54 | µg/m$^3$ | ND | 1.91 | Benzo(b)fluoranthene |
| SAM4 | 01/31/22 08:28 | 02/02/22 08:54 | µg/m$^3$ | ND | 1.91 | Benzo(k)fluoranthene |
| SAM4 | 01/31/22 08:28 | 02/02/22 08:54 | µg/m$^3$ | ND | 1.91 | Benzo(a)pyrene |
| SAM4 | 01/31/22 08:28 | 02/02/22 08:54 | µg/m$^3$ | ND | 1.91 | Indeno(1,2,3-c,d)pyrene |
| SAM4 | 01/31/22 08:28 | 02/02/22 08:54 | µg/m$^3$ | ND | 1.91 | Dibenz(a,h)anthracene |
| SAM4 | 01/31/22 08:28 | 02/02/22 08:54 | µg/m$^3$ | ND | 1.91 | Benzo(g,h,i)perylene |
| SAM5 | 01/31/22 08:19 | 02/02/22 08:49 | µg/m$^3$ | ND | 2.03 | Naphthalene |
| SAM5 | 01/31/22 08:19 | 02/02/22 08:49 | µg/m$^3$ | ND | 2.03 | 2-Methylnaphthalene |
| SAM5 | 01/31/22 08:19 | 02/02/22 08:49 | µg/m$^3$ | ND | 2.03 | 2-Chloronaphthalene |
| SAM5 | 01/31/22 08:19 | 02/02/22 08:49 | µg/m$^3$ | ND | 2.03 | Acenaphthylene |
| SAM5 | 01/31/22 08:19 | 02/02/22 08:49 | µg/m$^3$ | ND | 2.03 | Acenaphthene |
| SAM5 | 01/31/22 08:19 | 02/02/22 08:49 | µg/m$^3$ | ND | 2.03 | Fluorene |
| SAM5 | 01/31/22 08:19 | 02/02/22 08:49 | µg/m$^3$ | ND | 2.03 | PheNDthrene |
| SAM5 | 01/31/22 08:19 | 02/02/22 08:49 | µg/m$^3$ | ND | 2.03 | Anthracene |
| SAM5 | 01/31/22 08:19 | 02/02/22 08:49 | µg/m$^3$ | ND | 2.03 | Fluoranthene |
| SAM5 | 01/31/22 08:19 | 02/02/22 08:49 | µg/m$^3$ | ND | 2.03 | Pyrene |
| SAM5 | 01/31/22 08:19 | 02/02/22 08:49 | µg/m$^3$ | ND | 2.03 | Chrysene |
| SAM5 | 01/31/22 08:19 | 02/02/22 08:49 | µg/m$^3$ | ND | 2.03 | Benzo(a)anthracene |
| SAM5 | 01/31/22 08:19 | 02/02/22 08:49 | µg/m$^3$ | ND | 2.03 | Benzo(b)fluoranthene |
| SAM5 | 01/31/22 08:19 | 02/02/22 08:49 | µg/m$^3$ | ND | 2.03 | Benzo(k)fluoranthene |
| SAM5 | 01/31/22 08:19 | 02/02/22 08:49 | µg/m$^3$ | ND | 2.03 | Benzo(a)pyrene |
| SAM5 | 01/31/22 08:19 | 02/02/22 08:49 | µg/m$^3$ | ND | 2.03 | Indeno(1,2,3-c,d)pyrene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM5 | 01/31/22 08:19 | 02/02/22 08:49 | µg/m$^3$ | ND | 2.03 | Dibenz(a,h)anthracene |
| SAM5 | 01/31/22 08:19 | 02/02/22 08:49 | µg/m$^3$ | ND | 2.03 | Benzo(g,h,i)perylene |
| SAM1 | 02/02/22 10:04 | 02/03/22 17:09 | µg/m$^3$ | ND | 1.95 | Naphthalene |
| SAM1 | 02/02/22 10:04 | 02/03/22 17:09 | µg/m$^3$ | ND | 1.95 | 2-Methylnaphthalene |
| SAM1 | 02/02/22 10:04 | 02/03/22 17:09 | µg/m$^3$ | ND | 1.95 | 2-Chloronaphthalene |
| SAM1 | 02/02/22 10:04 | 02/03/22 17:09 | µg/m$^3$ | ND | 1.95 | Acenaphthylene |
| SAM1 | 02/02/22 10:04 | 02/03/22 17:09 | µg/m$^3$ | ND | 1.95 | Acenaphthene |
| SAM1 | 02/02/22 10:04 | 02/03/22 17:09 | µg/m$^3$ | ND | 1.95 | Fluorene |
| SAM1 | 02/02/22 10:04 | 02/03/22 17:09 | µg/m$^3$ | ND | 1.95 | PheNDthrene |
| SAM1 | 02/02/22 10:04 | 02/03/22 17:09 | µg/m$^3$ | ND | 1.95 | Anthracene |
| SAM1 | 02/02/22 10:04 | 02/03/22 17:09 | µg/m$^3$ | ND | 1.95 | Fluoranthene |
| SAM1 | 02/02/22 10:04 | 02/03/22 17:09 | µg/m$^3$ | ND | 1.95 | Pyrene |
| SAM1 | 02/02/22 10:04 | 02/03/22 17:09 | µg/m$^3$ | ND | 1.95 | Chrysene |
| SAM1 | 02/02/22 10:04 | 02/03/22 17:09 | µg/m$^3$ | ND | 1.95 | Benzo(a)anthracene |
| SAM1 | 02/02/22 10:04 | 02/03/22 17:09 | µg/m$^3$ | ND | 1.95 | Benzo(b)fluoranthene |
| SAM1 | 02/02/22 10:04 | 02/03/22 17:09 | µg/m$^3$ | ND | 1.95 | Benzo(k)fluoranthene |
| SAM1 | 02/02/22 10:04 | 02/03/22 17:09 | µg/m$^3$ | ND | 1.95 | Benzo(a)pyrene |
| SAM1 | 02/02/22 10:04 | 02/03/22 17:09 | µg/m$^3$ | ND | 1.95 | Indeno(1,2,3-c,d)pyrene |
| SAM1 | 02/02/22 10:04 | 02/03/22 17:09 | µg/m$^3$ | ND | 1.95 | Dibenz(a,h)anthracene |
| SAM1 | 02/02/22 10:04 | 02/03/22 17:09 | µg/m$^3$ | ND | 1.95 | Benzo(g,h,i)perylene |
| SAM2 | 02/02/22 09:53 | 02/03/22 17:20 | µg/m$^3$ | ND | 1.96 | Naphthalene |
| SAM2 | 02/02/22 09:53 | 02/03/22 17:20 | µg/m$^3$ | ND | 1.96 | 2-Methylnaphthalene |
| SAM2 | 02/02/22 09:53 | 02/03/22 17:20 | µg/m$^3$ | ND | 1.96 | 2-Chloronaphthalene |
| SAM2 | 02/02/22 09:53 | 02/03/22 17:20 | µg/m$^3$ | ND | 1.96 | Acenaphthylene |
| SAM2 | 02/02/22 09:53 | 02/03/22 17:20 | µg/m$^3$ | ND | 1.96 | Acenaphthene |
| SAM2 | 02/02/22 09:53 | 02/03/22 17:20 | µg/m$^3$ | ND | 1.96 | Fluorene |
| SAM2 | 02/02/22 09:53 | 02/03/22 17:20 | µg/m$^3$ | ND | 1.96 | PheNDthrene |
| SAM2 | 02/02/22 09:53 | 02/03/22 17:20 | µg/m$^3$ | ND | 1.96 | Anthracene |
| SAM2 | 02/02/22 09:53 | 02/03/22 17:20 | µg/m$^3$ | ND | 1.96 | Fluoranthene |
| SAM2 | 02/02/22 09:53 | 02/03/22 17:20 | µg/m$^3$ | ND | 1.96 | Pyrene |
| SAM2 | 02/02/22 09:53 | 02/03/22 17:20 | µg/m$^3$ | ND | 1.96 | Chrysene |
| SAM2 | 02/02/22 09:53 | 02/03/22 17:20 | µg/m$^3$ | ND | 1.96 | Benzo(a)anthracene |
| SAM2 | 02/02/22 09:53 | 02/03/22 17:20 | µg/m$^3$ | ND | 1.96 | Benzo(b)fluoranthene |
| SAM2 | 02/02/22 09:53 | 02/03/22 17:20 | µg/m$^3$ | ND | 1.96 | Benzo(k)fluoranthene |
| SAM2 | 02/02/22 09:53 | 02/03/22 17:20 | µg/m$^3$ | ND | 1.96 | Benzo(a)pyrene |
| SAM2 | 02/02/22 09:53 | 02/03/22 17:20 | µg/m$^3$ | ND | 1.96 | Indeno(1,2,3-c,d)pyrene |
| SAM2 | 02/02/22 09:53 | 02/03/22 17:20 | µg/m$^3$ | ND | 1.96 | Dibenz(a,h)anthracene |
| SAM2 | 02/02/22 09:53 | 02/03/22 17:20 | µg/m$^3$ | ND | 1.96 | Benzo(g,h,i)perylene |
| SAM3 | 02/02/22 10:03 | 02/03/22 17:03 | µg/m$^3$ | ND | 1.95 | Naphthalene |
| SAM3 | 02/02/22 10:03 | 02/03/22 17:03 | µg/m$^3$ | ND | 1.95 | 2-Methylnaphthalene |
| SAM3 | 02/02/22 10:03 | 02/03/22 17:03 | µg/m$^3$ | ND | 1.95 | 2-Chloronaphthalene |
| SAM3 | 02/02/22 10:03 | 02/03/22 17:03 | µg/m$^3$ | ND | 1.95 | Acenaphthylene |
| SAM3 | 02/02/22 10:03 | 02/03/22 17:03 | µg/m$^3$ | ND | 1.95 | Acenaphthene |
| SAM3 | 02/02/22 10:03 | 02/03/22 17:03 | µg/m$^3$ | ND | 1.95 | Fluorene |
| SAM3 | 02/02/22 10:03 | 02/03/22 17:03 | µg/m$^3$ | ND | 1.95 | PheNDthrene |
| SAM3 | 02/02/22 10:03 | 02/03/22 17:03 | µg/m$^3$ | ND | 1.95 | Anthracene |
| SAM3 | 02/02/22 10:03 | 02/03/22 17:03 | µg/m$^3$ | ND | 1.95 | Fluoranthene |
| SAM3 | 02/02/22 10:03 | 02/03/22 17:03 | µg/m$^3$ | ND | 1.95 | Pyrene |
| SAM3 | 02/02/22 10:03 | 02/03/22 17:03 | µg/m$^3$ | ND | 1.95 | Chrysene |
| SAM3 | 02/02/22 10:03 | 02/03/22 17:03 | µg/m$^3$ | ND | 1.95 | Benzo(a)anthracene |
| SAM3 | 02/02/22 10:03 | 02/03/22 17:03 | µg/m$^3$ | ND | 1.95 | Benzo(b)fluoranthene |
| SAM3 | 02/02/22 10:03 | 02/03/22 17:03 | µg/m$^3$ | ND | 1.95 | Benzo(k)fluoranthene |
| SAM3 | 02/02/22 10:03 | 02/03/22 17:03 | µg/m$^3$ | ND | 1.95 | Benzo(a)pyrene |
| SAM3 | 02/02/22 10:03 | 02/03/22 17:03 | µg/m$^3$ | ND | 1.95 | Indeno(1,2,3-c,d)pyrene |
| SAM3 | 02/02/22 10:03 | 02/03/22 17:03 | µg/m$^3$ | ND | 1.95 | Dibenz(a,h)anthracene |
| SAM3 | 02/02/22 10:03 | 02/03/22 17:03 | µg/m$^3$ | ND | 1.95 | Benzo(g,h,i)perylene |
| SAM4 | 02/02/22 10:13 | 02/03/22 17:15 | µg/m$^3$ | ND | 1.99 | Naphthalene |
| SAM4 | 02/02/22 10:13 | 02/03/22 17:15 | µg/m$^3$ | ND | 1.99 | 2-Methylnaphthalene |
| SAM4 | 02/02/22 10:13 | 02/03/22 17:15 | µg/m$^3$ | ND | 1.99 | 2-Chloronaphthalene |
| SAM4 | 02/02/22 10:13 | 02/03/22 17:15 | µg/m$^3$ | ND | 1.99 | Acenaphthylene |
| SAM4 | 02/02/22 10:13 | 02/03/22 17:15 | µg/m$^3$ | ND | 1.99 | Acenaphthene |
| SAM4 | 02/02/22 10:13 | 02/03/22 17:15 | µg/m$^3$ | ND | 1.99 | Fluorene |
| SAM4 | 02/02/22 10:13 | 02/03/22 17:15 | µg/m$^3$ | ND | 1.99 | PheNDthrene |
| SAM4 | 02/02/22 10:13 | 02/03/22 17:15 | µg/m$^3$ | ND | 1.99 | Anthracene |
| SAM4 | 02/02/22 10:13 | 02/03/22 17:15 | µg/m$^3$ | ND | 1.99 | Fluoranthene |
| SAM4 | 02/02/22 10:13 | 02/03/22 17:15 | µg/m$^3$ | ND | 1.99 | Pyrene |
| SAM4 | 02/02/22 10:13 | 02/03/22 17:15 | µg/m$^3$ | ND | 1.99 | Chrysene |
| SAM4 | 02/02/22 10:13 | 02/03/22 17:15 | µg/m$^3$ | ND | 1.99 | Benzo(a)anthracene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM4 | 02/02/22 10:13 | 02/03/22 17:15 | µg/m$^3$ | ND | 1.99 | Benzo(b)fluoranthene |
| SAM4 | 02/02/22 10:13 | 02/03/22 17:15 | µg/m$^3$ | ND | 1.99 | Benzo(k)fluoranthene |
| SAM4 | 02/02/22 10:13 | 02/03/22 17:15 | µg/m$^3$ | ND | 1.99 | Benzo(a)pyrene |
| SAM4 | 02/02/22 10:13 | 02/03/22 17:15 | µg/m$^3$ | ND | 1.99 | Indeno(1,2,3-c,d)pyrene |
| SAM4 | 02/02/22 10:13 | 02/03/22 17:15 | µg/m$^3$ | ND | 1.99 | Dibenz(a,h)anthracene |
| SAM4 | 02/02/22 10:13 | 02/03/22 17:15 | µg/m$^3$ | ND | 1.99 | Benzo(g,h,i)perylene |
| SAM5 | 02/02/22 10:09 | 02/03/22 17:10 | µg/m$^3$ | ND | 1.99 | Naphthalene |
| SAM5 | 02/02/22 10:09 | 02/03/22 17:10 | µg/m$^3$ | ND | 1.99 | 2-Methylnaphthalene |
| SAM5 | 02/02/22 10:09 | 02/03/22 17:10 | µg/m$^3$ | ND | 1.99 | 2-Chloronaphthalene |
| SAM5 | 02/02/22 10:09 | 02/03/22 17:10 | µg/m$^3$ | ND | 1.99 | Acenaphthylene |
| SAM5 | 02/02/22 10:09 | 02/03/22 17:10 | µg/m$^3$ | ND | 1.99 | Acenaphthene |
| SAM5 | 02/02/22 10:09 | 02/03/22 17:10 | µg/m$^3$ | ND | 1.99 | Fluorene |
| SAM5 | 02/02/22 10:09 | 02/03/22 17:10 | µg/m$^3$ | ND | 1.99 | PheNDthrene |
| SAM5 | 02/02/22 10:09 | 02/03/22 17:10 | µg/m$^3$ | ND | 1.99 | Anthracene |
| SAM5 | 02/02/22 10:09 | 02/03/22 17:10 | µg/m$^3$ | ND | 1.99 | Fluoranthene |
| SAM5 | 02/02/22 10:09 | 02/03/22 17:10 | µg/m$^3$ | ND | 1.99 | Pyrene |
| SAM5 | 02/02/22 10:09 | 02/03/22 17:10 | µg/m$^3$ | ND | 1.99 | Chrysene |
| SAM5 | 02/02/22 10:09 | 02/03/22 17:10 | µg/m$^3$ | ND | 1.99 | Benzo(a)anthracene |
| SAM5 | 02/02/22 10:09 | 02/03/22 17:10 | µg/m$^3$ | ND | 1.99 | Benzo(b)fluoranthene |
| SAM5 | 02/02/22 10:09 | 02/03/22 17:10 | µg/m$^3$ | ND | 1.99 | Benzo(k)fluoranthene |
| SAM5 | 02/02/22 10:09 | 02/03/22 17:10 | µg/m$^3$ | ND | 1.99 | Benzo(a)pyrene |
| SAM5 | 02/02/22 10:09 | 02/03/22 17:10 | µg/m$^3$ | ND | 1.99 | Indeno(1,2,3-c,d)pyrene |
| SAM5 | 02/02/22 10:09 | 02/03/22 17:10 | µg/m$^3$ | ND | 1.99 | Dibenz(a,h)anthracene |
| SAM5 | 02/02/22 10:09 | 02/03/22 17:10 | µg/m$^3$ | ND | 1.99 | Benzo(g,h,i)perylene |
| SAM1 | 02/07/22 08:28 | 02/09/22 07:50 | µg/m$^3$ | ND | 2.03 | Naphthalene |
| SAM1 | 02/07/22 08:28 | 02/09/22 07:50 | µg/m$^3$ | ND | 2.03 | 2-Methylnaphthalene |
| SAM1 | 02/07/22 08:28 | 02/09/22 07:50 | µg/m$^3$ | ND | 2.03 | 2-Chloronaphthalene |
| SAM1 | 02/07/22 08:28 | 02/09/22 07:50 | µg/m$^3$ | ND | 2.03 | Acenaphthylene |
| SAM1 | 02/07/22 08:28 | 02/09/22 07:50 | µg/m$^3$ | ND | 2.03 | Acenaphthene |
| SAM1 | 02/07/22 08:28 | 02/09/22 07:50 | µg/m$^3$ | ND | 2.03 | Fluorene |
| SAM1 | 02/07/22 08:28 | 02/09/22 07:50 | µg/m$^3$ | ND | 2.03 | PheNDthrene |
| SAM1 | 02/07/22 08:28 | 02/09/22 07:50 | µg/m$^3$ | ND | 2.03 | Anthracene |
| SAM1 | 02/07/22 08:28 | 02/09/22 07:50 | µg/m$^3$ | ND | 2.03 | Fluoranthene |
| SAM1 | 02/07/22 08:28 | 02/09/22 07:50 | µg/m$^3$ | ND | 2.03 | Pyrene |
| SAM1 | 02/07/22 08:28 | 02/09/22 07:50 | µg/m$^3$ | ND | 2.03 | Chrysene |
| SAM1 | 02/07/22 08:28 | 02/09/22 07:50 | µg/m$^3$ | ND | 2.03 | Benzo(a)anthracene |
| SAM1 | 02/07/22 08:28 | 02/09/22 07:50 | µg/m$^3$ | ND | 2.03 | Benzo(b)fluoranthene |
| SAM1 | 02/07/22 08:28 | 02/09/22 07:50 | µg/m$^3$ | ND | 2.03 | Benzo(k)fluoranthene |
| SAM1 | 02/07/22 08:28 | 02/09/22 07:50 | µg/m$^3$ | ND | 2.03 | Benzo(a)pyrene |
| SAM1 | 02/07/22 08:28 | 02/09/22 07:50 | µg/m$^3$ | ND | 2.03 | Indeno(1,2,3-c,d)pyrene |
| SAM1 | 02/07/22 08:28 | 02/09/22 07:50 | µg/m$^3$ | ND | 2.03 | Dibenz(a,h)anthracene |
| SAM1 | 02/07/22 08:28 | 02/09/22 07:50 | µg/m$^3$ | ND | 2.03 | Benzo(g,h,i)perylene |
| SAM2 | 02/07/22 08:36 | 02/09/22 07:38 | µg/m$^3$ | ND | 1.96 | Naphthalene |
| SAM2 | 02/07/22 08:36 | 02/09/22 07:38 | µg/m$^3$ | ND | 1.96 | 2-Methylnaphthalene |
| SAM2 | 02/07/22 08:36 | 02/09/22 07:38 | µg/m$^3$ | ND | 1.96 | 2-Chloronaphthalene |
| SAM2 | 02/07/22 08:36 | 02/09/22 07:38 | µg/m$^3$ | ND | 1.96 | Acenaphthylene |
| SAM2 | 02/07/22 08:36 | 02/09/22 07:38 | µg/m$^3$ | ND | 1.96 | Acenaphthene |
| SAM2 | 02/07/22 08:36 | 02/09/22 07:38 | µg/m$^3$ | ND | 1.96 | Fluorene |
| SAM2 | 02/07/22 08:36 | 02/09/22 07:38 | µg/m$^3$ | ND | 1.96 | PheNDthrene |
| SAM2 | 02/07/22 08:36 | 02/09/22 07:38 | µg/m$^3$ | ND | 1.96 | Anthracene |
| SAM2 | 02/07/22 08:36 | 02/09/22 07:38 | µg/m$^3$ | ND | 1.96 | Fluoranthene |
| SAM2 | 02/07/22 08:36 | 02/09/22 07:38 | µg/m$^3$ | ND | 1.96 | Pyrene |
| SAM2 | 02/07/22 08:36 | 02/09/22 07:38 | µg/m$^3$ | ND | 1.96 | Chrysene |
| SAM2 | 02/07/22 08:36 | 02/09/22 07:38 | µg/m$^3$ | ND | 1.96 | Benzo(a)anthracene |
| SAM2 | 02/07/22 08:36 | 02/09/22 07:38 | µg/m$^3$ | ND | 1.96 | Benzo(b)fluoranthene |
| SAM2 | 02/07/22 08:36 | 02/09/22 07:38 | µg/m$^3$ | ND | 1.96 | Benzo(k)fluoranthene |
| SAM2 | 02/07/22 08:36 | 02/09/22 07:38 | µg/m$^3$ | ND | 1.96 | Benzo(a)pyrene |
| SAM2 | 02/07/22 08:36 | 02/09/22 07:38 | µg/m$^3$ | ND | 1.96 | Indeno(1,2,3-c,d)pyrene |
| SAM2 | 02/07/22 08:36 | 02/09/22 07:38 | µg/m$^3$ | ND | 1.96 | Dibenz(a,h)anthracene |
| SAM2 | 02/07/22 08:36 | 02/09/22 07:38 | µg/m$^3$ | ND | 1.96 | Benzo(g,h,i)perylene |
| SAM3 | 02/07/22 08:22 | 02/09/22 07:45 | µg/m$^3$ | ND | 2.04 | Naphthalene |
| SAM3 | 02/07/22 08:22 | 02/09/22 07:45 | µg/m$^3$ | ND | 2.04 | 2-Methylnaphthalene |
| SAM3 | 02/07/22 08:22 | 02/09/22 07:45 | µg/m$^3$ | ND | 2.04 | 2-Chloronaphthalene |
| SAM3 | 02/07/22 08:22 | 02/09/22 07:45 | µg/m$^3$ | ND | 2.04 | Acenaphthylene |
| SAM3 | 02/07/22 08:22 | 02/09/22 07:45 | µg/m$^3$ | ND | 2.04 | Acenaphthene |
| SAM3 | 02/07/22 08:22 | 02/09/22 07:45 | µg/m$^3$ | ND | 2.04 | Fluorene |
| SAM3 | 02/07/22 08:22 | 02/09/22 07:45 | µg/m$^3$ | ND | 2.04 | PheNDthrene |
| SAM3 | 02/07/22 08:22 | 02/09/22 07:45 | µg/m$^3$ | ND | 2.04 | Anthracene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM3 | 02/07/22 08:22 | 02/09/22 07:45 | µg/m$^3$ | ND | 2.04 | Fluoranthene |
| SAM3 | 02/07/22 08:22 | 02/09/22 07:45 | µg/m$^3$ | ND | 2.04 | Pyrene |
| SAM3 | 02/07/22 08:22 | 02/09/22 07:45 | µg/m$^3$ | ND | 2.04 | Chrysene |
| SAM3 | 02/07/22 08:22 | 02/09/22 07:45 | µg/m$^3$ | ND | 2.04 | Benzo(a)anthracene |
| SAM3 | 02/07/22 08:22 | 02/09/22 07:45 | µg/m$^3$ | ND | 2.04 | Benzo(b)fluoranthene |
| SAM3 | 02/07/22 08:22 | 02/09/22 07:45 | µg/m$^3$ | ND | 2.04 | Benzo(k)fluoranthene |
| SAM3 | 02/07/22 08:22 | 02/09/22 07:45 | µg/m$^3$ | ND | 2.04 | Benzo(a)pyrene |
| SAM3 | 02/07/22 08:22 | 02/09/22 07:45 | µg/m$^3$ | ND | 2.04 | Indeno(1,2,3-c,d)pyrene |
| SAM3 | 02/07/22 08:22 | 02/09/22 07:45 | µg/m$^3$ | ND | 2.04 | Dibenz(a,h)anthracene |
| SAM3 | 02/07/22 08:22 | 02/09/22 07:45 | µg/m$^3$ | ND | 2.04 | Benzo(g,h,i)perylene |
| SAM4 | 02/07/22 08:06 | 02/09/22 08:08 | µg/m$^3$ | ND | 1.99 | Naphthalene |
| SAM4 | 02/07/22 08:06 | 02/09/22 08:08 | µg/m$^3$ | ND | 1.99 | 2-Methylnaphthalene |
| SAM4 | 02/07/22 08:06 | 02/09/22 08:08 | µg/m$^3$ | ND | 1.99 | 2-Chloronaphthalene |
| SAM4 | 02/07/22 08:06 | 02/09/22 08:08 | µg/m$^3$ | ND | 1.99 | Acenaphthylene |
| SAM4 | 02/07/22 08:06 | 02/09/22 08:08 | µg/m$^3$ | ND | 1.99 | Acenaphthene |
| SAM4 | 02/07/22 08:06 | 02/09/22 08:08 | µg/m$^3$ | ND | 1.99 | Fluorene |
| SAM4 | 02/07/22 08:06 | 02/09/22 08:08 | µg/m$^3$ | ND | 1.99 | PheNDthrene |
| SAM4 | 02/07/22 08:06 | 02/09/22 08:08 | µg/m$^3$ | ND | 1.99 | Anthracene |
| SAM4 | 02/07/22 08:06 | 02/09/22 08:08 | µg/m$^3$ | ND | 1.99 | Fluoranthene |
| SAM4 | 02/07/22 08:06 | 02/09/22 08:08 | µg/m$^3$ | ND | 1.99 | Pyrene |
| SAM4 | 02/07/22 08:06 | 02/09/22 08:08 | µg/m$^3$ | ND | 1.99 | Chrysene |
| SAM4 | 02/07/22 08:06 | 02/09/22 08:08 | µg/m$^3$ | ND | 1.99 | Benzo(a)anthracene |
| SAM4 | 02/07/22 08:06 | 02/09/22 08:08 | µg/m$^3$ | ND | 1.99 | Benzo(b)fluoranthene |
| SAM4 | 02/07/22 08:06 | 02/09/22 08:08 | µg/m$^3$ | ND | 1.99 | Benzo(k)fluoranthene |
| SAM4 | 02/07/22 08:06 | 02/09/22 08:08 | µg/m$^3$ | ND | 1.99 | Benzo(a)pyrene |
| SAM4 | 02/07/22 08:06 | 02/09/22 08:08 | µg/m$^3$ | ND | 1.99 | Indeno(1,2,3-c,d)pyrene |
| SAM4 | 02/07/22 08:06 | 02/09/22 08:08 | µg/m$^3$ | ND | 1.99 | Dibenz(a,h)anthracene |
| SAM4 | 02/07/22 08:06 | 02/09/22 08:08 | µg/m$^3$ | ND | 1.99 | Benzo(g,h,i)perylene |
| SAM5 | 02/07/22 08:14 | 02/09/22 07:59 | µg/m$^3$ | ND | 2.04 | Naphthalene |
| SAM5 | 02/07/22 08:14 | 02/09/22 07:59 | µg/m$^3$ | ND | 2.04 | 2-Methylnaphthalene |
| SAM5 | 02/07/22 08:14 | 02/09/22 07:59 | µg/m$^3$ | ND | 2.04 | 2-Chloronaphthalene |
| SAM5 | 02/07/22 08:14 | 02/09/22 07:59 | µg/m$^3$ | ND | 2.04 | Acenaphthylene |
| SAM5 | 02/07/22 08:14 | 02/09/22 07:59 | µg/m$^3$ | ND | 2.04 | Acenaphthene |
| SAM5 | 02/07/22 08:14 | 02/09/22 07:59 | µg/m$^3$ | ND | 2.04 | Fluorene |
| SAM5 | 02/07/22 08:14 | 02/09/22 07:59 | µg/m$^3$ | ND | 2.04 | PheNDthrene |
| SAM5 | 02/07/22 08:14 | 02/09/22 07:59 | µg/m$^3$ | ND | 2.04 | Anthracene |
| SAM5 | 02/07/22 08:14 | 02/09/22 07:59 | µg/m$^3$ | ND | 2.04 | Fluoranthene |
| SAM5 | 02/07/22 08:14 | 02/09/22 07:59 | µg/m$^3$ | ND | 2.04 | Pyrene |
| SAM5 | 02/07/22 08:14 | 02/09/22 07:59 | µg/m$^3$ | ND | 2.04 | Chrysene |
| SAM5 | 02/07/22 08:14 | 02/09/22 07:59 | µg/m$^3$ | ND | 2.04 | Benzo(a)anthracene |
| SAM5 | 02/07/22 08:14 | 02/09/22 07:59 | µg/m$^3$ | ND | 2.04 | Benzo(b)fluoranthene |
| SAM5 | 02/07/22 08:14 | 02/09/22 07:59 | µg/m$^3$ | ND | 2.04 | Benzo(k)fluoranthene |
| SAM5 | 02/07/22 08:14 | 02/09/22 07:59 | µg/m$^3$ | ND | 2.04 | Benzo(a)pyrene |
| SAM5 | 02/07/22 08:14 | 02/09/22 07:59 | µg/m$^3$ | ND | 2.04 | Indeno(1,2,3-c,d)pyrene |
| SAM5 | 02/07/22 08:14 | 02/09/22 07:59 | µg/m$^3$ | ND | 2.04 | Dibenz(a,h)anthracene |
| SAM5 | 02/07/22 08:14 | 02/09/22 07:59 | µg/m$^3$ | ND | 2.04 | Benzo(g,h,i)perylene |
| SAM1 | 02/09/22 12:11 | 02/11/22 07:44 | µg/m$^3$ | ND | 2.03 | Naphthalene |
| SAM1 | 02/09/22 12:11 | 02/11/22 07:44 | µg/m$^3$ | ND | 2.03 | 2-Methylnaphthalene |
| SAM1 | 02/09/22 12:11 | 02/11/22 07:44 | µg/m$^3$ | ND | 2.03 | 2-Chloronaphthalene |
| SAM1 | 02/09/22 12:11 | 02/11/22 07:44 | µg/m$^3$ | ND | 2.03 | Acenaphthylene |
| SAM1 | 02/09/22 12:11 | 02/11/22 07:44 | µg/m$^3$ | ND | 2.03 | Acenaphthene |
| SAM1 | 02/09/22 12:11 | 02/11/22 07:44 | µg/m$^3$ | ND | 2.03 | Fluorene |
| SAM1 | 02/09/22 12:11 | 02/11/22 07:44 | µg/m$^3$ | ND | 2.03 | PheNDthrene |
| SAM1 | 02/09/22 12:11 | 02/11/22 07:44 | µg/m$^3$ | ND | 2.03 | Anthracene |
| SAM1 | 02/09/22 12:11 | 02/11/22 07:44 | µg/m$^3$ | ND | 2.03 | Fluoranthene |
| SAM1 | 02/09/22 12:11 | 02/11/22 07:44 | µg/m$^3$ | ND | 2.03 | Pyrene |
| SAM1 | 02/09/22 12:11 | 02/11/22 07:44 | µg/m$^3$ | ND | 2.03 | Chrysene |
| SAM1 | 02/09/22 12:11 | 02/11/22 07:44 | µg/m$^3$ | ND | 2.03 | Benzo(a)anthracene |
| SAM1 | 02/09/22 12:11 | 02/11/22 07:44 | µg/m$^3$ | ND | 2.03 | Benzo(b)fluoranthene |
| SAM1 | 02/09/22 12:11 | 02/11/22 07:44 | µg/m$^3$ | ND | 2.03 | Benzo(k)fluoranthene |
| SAM1 | 02/09/22 12:11 | 02/11/22 07:44 | µg/m$^3$ | ND | 2.03 | Benzo(a)pyrene |
| SAM1 | 02/09/22 12:11 | 02/11/22 07:44 | µg/m$^3$ | ND | 2.03 | Indeno(1,2,3-c,d)pyrene |
| SAM1 | 02/09/22 12:11 | 02/11/22 07:44 | µg/m$^3$ | ND | 2.03 | Dibenz(a,h)anthracene |
| SAM1 | 02/09/22 12:11 | 02/11/22 07:44 | µg/m$^3$ | ND | 2.03 | Benzo(g,h,i)perylene |
| SAM2 | 02/09/22 12:03 | 02/11/22 07:38 | µg/m$^3$ | 0.28 | 2.05 | Naphthalene |
| SAM2 | 02/09/22 12:03 | 02/11/22 07:38 | µg/m$^3$ | ND | 2.05 | 2-Methylnaphthalene |
| SAM2 | 02/09/22 12:03 | 02/11/22 07:38 | µg/m$^3$ | ND | 2.05 | 2-Chloronaphthalene |
| SAM2 | 02/09/22 12:03 | 02/11/22 07:38 | µg/m$^3$ | ND | 2.05 | Acenaphthylene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM2 | 02/09/22 12:03 | 02/11/22 07:38 | µg/m$^3$ | ND | 2.05 | Acenaphthene |
| SAM2 | 02/09/22 12:03 | 02/11/22 07:38 | µg/m$^3$ | ND | 2.05 | Fluorene |
| SAM2 | 02/09/22 12:03 | 02/11/22 07:38 | µg/m$^3$ | ND | 2.05 | PheNDthrene |
| SAM2 | 02/09/22 12:03 | 02/11/22 07:38 | µg/m$^3$ | ND | 2.05 | Anthracene |
| SAM2 | 02/09/22 12:03 | 02/11/22 07:38 | µg/m$^3$ | ND | 2.05 | Fluoranthene |
| SAM2 | 02/09/22 12:03 | 02/11/22 07:38 | µg/m$^3$ | ND | 2.05 | Pyrene |
| SAM2 | 02/09/22 12:03 | 02/11/22 07:38 | µg/m$^3$ | ND | 2.05 | Chrysene |
| SAM2 | 02/09/22 12:03 | 02/11/22 07:38 | µg/m$^3$ | ND | 2.05 | Benzo(a)anthracene |
| SAM2 | 02/09/22 12:03 | 02/11/22 07:38 | µg/m$^3$ | ND | 2.05 | Benzo(b)fluoranthene |
| SAM2 | 02/09/22 12:03 | 02/11/22 07:38 | µg/m$^3$ | ND | 2.05 | Benzo(k)fluoranthene |
| SAM2 | 02/09/22 12:03 | 02/11/22 07:38 | µg/m$^3$ | ND | 2.05 | Benzo(a)pyrene |
| SAM2 | 02/09/22 12:03 | 02/11/22 07:38 | µg/m$^3$ | ND | 2.05 | Indeno(1,2,3-c,d)pyrene |
| SAM2 | 02/09/22 12:03 | 02/11/22 07:38 | µg/m$^3$ | ND | 2.05 | Dibenz(a,h)anthracene |
| SAM2 | 02/09/22 12:03 | 02/11/22 07:38 | µg/m$^3$ | ND | 2.05 | Benzo(g,h,i)perylene |
| SAM3 | 02/09/22 12:07 | 02/11/22 07:42 | µg/m$^3$ | ND | 2.02 | Naphthalene |
| SAM3 | 02/09/22 12:07 | 02/11/22 07:42 | µg/m$^3$ | ND | 2.02 | 2-Methylnaphthalene |
| SAM3 | 02/09/22 12:07 | 02/11/22 07:42 | µg/m$^3$ | ND | 2.02 | 2-Chloronaphthalene |
| SAM3 | 02/09/22 12:07 | 02/11/22 07:42 | µg/m$^3$ | ND | 2.02 | Acenaphthylene |
| SAM3 | 02/09/22 12:07 | 02/11/22 07:42 | µg/m$^3$ | ND | 2.02 | Acenaphthene |
| SAM3 | 02/09/22 12:07 | 02/11/22 07:42 | µg/m$^3$ | ND | 2.02 | Fluorene |
| SAM3 | 02/09/22 12:07 | 02/11/22 07:42 | µg/m$^3$ | ND | 2.02 | PheNDthrene |
| SAM3 | 02/09/22 12:07 | 02/11/22 07:42 | µg/m$^3$ | ND | 2.02 | Anthracene |
| SAM3 | 02/09/22 12:07 | 02/11/22 07:42 | µg/m$^3$ | ND | 2.02 | Fluoranthene |
| SAM3 | 02/09/22 12:07 | 02/11/22 07:42 | µg/m$^3$ | ND | 2.02 | Pyrene |
| SAM3 | 02/09/22 12:07 | 02/11/22 07:42 | µg/m$^3$ | ND | 2.02 | Chrysene |
| SAM3 | 02/09/22 12:07 | 02/11/22 07:42 | µg/m$^3$ | ND | 2.02 | Benzo(a)anthracene |
| SAM3 | 02/09/22 12:07 | 02/11/22 07:42 | µg/m$^3$ | ND | 2.02 | Benzo(b)fluoranthene |
| SAM3 | 02/09/22 12:07 | 02/11/22 07:42 | µg/m$^3$ | ND | 2.02 | Benzo(k)fluoranthene |
| SAM3 | 02/09/22 12:07 | 02/11/22 07:42 | µg/m$^3$ | ND | 2.02 | Benzo(a)pyrene |
| SAM3 | 02/09/22 12:07 | 02/11/22 07:42 | µg/m$^3$ | ND | 2.02 | Indeno(1,2,3-c,d)pyrene |
| SAM3 | 02/09/22 12:07 | 02/11/22 07:42 | µg/m$^3$ | ND | 2.02 | Dibenz(a,h)anthracene |
| SAM3 | 02/09/22 12:07 | 02/11/22 07:42 | µg/m$^3$ | ND | 2.02 | Benzo(g,h,i)perylene |
| SAM4 | 02/09/22 12:22 | 02/11/22 07:52 | µg/m$^3$ | ND | 1.96 | Naphthalene |
| SAM4 | 02/09/22 12:22 | 02/11/22 07:52 | µg/m$^3$ | ND | 1.96 | 2-Methylnaphthalene |
| SAM4 | 02/09/22 12:22 | 02/11/22 07:52 | µg/m$^3$ | ND | 1.96 | 2-Chloronaphthalene |
| SAM4 | 02/09/22 12:22 | 02/11/22 07:52 | µg/m$^3$ | ND | 1.96 | Acenaphthylene |
| SAM4 | 02/09/22 12:22 | 02/11/22 07:52 | µg/m$^3$ | ND | 1.96 | Acenaphthene |
| SAM4 | 02/09/22 12:22 | 02/11/22 07:52 | µg/m$^3$ | ND | 1.96 | Fluorene |
| SAM4 | 02/09/22 12:22 | 02/11/22 07:52 | µg/m$^3$ | ND | 1.96 | PheNDthrene |
| SAM4 | 02/09/22 12:22 | 02/11/22 07:52 | µg/m$^3$ | ND | 1.96 | Anthracene |
| SAM4 | 02/09/22 12:22 | 02/11/22 07:52 | µg/m$^3$ | ND | 1.96 | Fluoranthene |
| SAM4 | 02/09/22 12:22 | 02/11/22 07:52 | µg/m$^3$ | ND | 1.96 | Pyrene |
| SAM4 | 02/09/22 12:22 | 02/11/22 07:52 | µg/m$^3$ | ND | 1.96 | Chrysene |
| SAM4 | 02/09/22 12:22 | 02/11/22 07:52 | µg/m$^3$ | ND | 1.96 | Benzo(a)anthracene |
| SAM4 | 02/09/22 12:22 | 02/11/22 07:52 | µg/m$^3$ | ND | 1.96 | Benzo(b)fluoranthene |
| SAM4 | 02/09/22 12:22 | 02/11/22 07:52 | µg/m$^3$ | ND | 1.96 | Benzo(k)fluoranthene |
| SAM4 | 02/09/22 12:22 | 02/11/22 07:52 | µg/m$^3$ | ND | 1.96 | Benzo(a)pyrene |
| SAM4 | 02/09/22 12:22 | 02/11/22 07:52 | µg/m$^3$ | ND | 1.96 | Indeno(1,2,3-c,d)pyrene |
| SAM4 | 02/09/22 12:22 | 02/11/22 07:52 | µg/m$^3$ | ND | 1.96 | Dibenz(a,h)anthracene |
| SAM4 | 02/09/22 12:22 | 02/11/22 07:52 | µg/m$^3$ | ND | 1.96 | Benzo(g,h,i)perylene |
| SAM5 | 02/09/22 12:17 | 02/11/22 07:49 | µg/m$^3$ | ND | 2.00 | Naphthalene |
| SAM5 | 02/09/22 12:17 | 02/11/22 07:49 | µg/m$^3$ | ND | 2.00 | 2-Methylnaphthalene |
| SAM5 | 02/09/22 12:17 | 02/11/22 07:49 | µg/m$^3$ | ND | 2.00 | 2-Chloronaphthalene |
| SAM5 | 02/09/22 12:17 | 02/11/22 07:49 | µg/m$^3$ | ND | 2.00 | Acenaphthylene |
| SAM5 | 02/09/22 12:17 | 02/11/22 07:49 | µg/m$^3$ | ND | 2.00 | Acenaphthene |
| SAM5 | 02/09/22 12:17 | 02/11/22 07:49 | µg/m$^3$ | ND | 2.00 | Fluorene |
| SAM5 | 02/09/22 12:17 | 02/11/22 07:49 | µg/m$^3$ | ND | 2.00 | PheNDthrene |
| SAM5 | 02/09/22 12:17 | 02/11/22 07:49 | µg/m$^3$ | ND | 2.00 | Anthracene |
| SAM5 | 02/09/22 12:17 | 02/11/22 07:49 | µg/m$^3$ | ND | 2.00 | Fluoranthene |
| SAM5 | 02/09/22 12:17 | 02/11/22 07:49 | µg/m$^3$ | ND | 2.00 | Pyrene |
| SAM5 | 02/09/22 12:17 | 02/11/22 07:49 | µg/m$^3$ | ND | 2.00 | Chrysene |
| SAM5 | 02/09/22 12:17 | 02/11/22 07:49 | µg/m$^3$ | ND | 2.00 | Benzo(a)anthracene |
| SAM5 | 02/09/22 12:17 | 02/11/22 07:49 | µg/m$^3$ | ND | 2.00 | Benzo(b)fluoranthene |
| SAM5 | 02/09/22 12:17 | 02/11/22 07:49 | µg/m$^3$ | ND | 2.00 | Benzo(k)fluoranthene |
| SAM5 | 02/09/22 12:17 | 02/11/22 07:49 | µg/m$^3$ | ND | 2.00 | Benzo(a)pyrene |
| SAM5 | 02/09/22 12:17 | 02/11/22 07:49 | µg/m$^3$ | ND | 2.00 | Indeno(1,2,3-c,d)pyrene |
| SAM5 | 02/09/22 12:17 | 02/11/22 07:49 | µg/m$^3$ | ND | 2.00 | Dibenz(a,h)anthracene |
| SAM5 | 02/09/22 12:17 | 02/11/22 07:49 | µg/m$^3$ | ND | 2.00 | Benzo(g,h,i)perylene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM1 | 02/14/22 08:49 | 02/16/22 08:13 | µg/m$^3$ | ND | 1.96 | Naphthalene |
| SAM1 | 02/14/22 08:49 | 02/16/22 08:13 | µg/m$^3$ | ND | 1.96 | 2-Methylnaphthalene |
| SAM1 | 02/14/22 08:49 | 02/16/22 08:13 | µg/m$^3$ | ND | 1.96 | 2-Chloronaphthalene |
| SAM1 | 02/14/22 08:49 | 02/16/22 08:13 | µg/m$^3$ | ND | 1.96 | Acenaphthylene |
| SAM1 | 02/14/22 08:49 | 02/16/22 08:13 | µg/m$^3$ | ND | 1.96 | Acenaphthene |
| SAM1 | 02/14/22 08:49 | 02/16/22 08:13 | µg/m$^3$ | ND | 1.96 | Fluorene |
| SAM1 | 02/14/22 08:49 | 02/16/22 08:13 | µg/m$^3$ | ND | 1.96 | PheNDthrene |
| SAM1 | 02/14/22 08:49 | 02/16/22 08:13 | µg/m$^3$ | ND | 1.96 | Anthracene |
| SAM1 | 02/14/22 08:49 | 02/16/22 08:13 | µg/m$^3$ | ND | 1.96 | Fluoranthene |
| SAM1 | 02/14/22 08:49 | 02/16/22 08:13 | µg/m$^3$ | ND | 1.96 | Pyrene |
| SAM1 | 02/14/22 08:49 | 02/16/22 08:13 | µg/m$^3$ | ND | 1.96 | Chrysene |
| SAM1 | 02/14/22 08:49 | 02/16/22 08:13 | µg/m$^3$ | ND | 1.96 | Benzo(a)anthracene |
| SAM1 | 02/14/22 08:49 | 02/16/22 08:13 | µg/m$^3$ | ND | 1.96 | Benzo(b)fluoranthene |
| SAM1 | 02/14/22 08:49 | 02/16/22 08:13 | µg/m$^3$ | ND | 1.96 | Benzo(k)fluoranthene |
| SAM1 | 02/14/22 08:49 | 02/16/22 08:13 | µg/m$^3$ | ND | 1.96 | Benzo(a)pyrene |
| SAM1 | 02/14/22 08:49 | 02/16/22 08:13 | µg/m$^3$ | ND | 1.96 | Indeno(1,2,3-c,d)pyrene |
| SAM1 | 02/14/22 08:49 | 02/16/22 08:13 | µg/m$^3$ | ND | 1.96 | Dibenz(a,h)anthracene |
| SAM1 | 02/14/22 08:49 | 02/16/22 08:13 | µg/m$^3$ | ND | 1.96 | Benzo(g,h,i)perylene |
| SAM2 | 02/14/22 08:34 | 02/16/22 08:00 | µg/m$^3$ | ND | 2.00 | Naphthalene |
| SAM2 | 02/14/22 08:34 | 02/16/22 08:00 | µg/m$^3$ | ND | 2.00 | 2-Methylnaphthalene |
| SAM2 | 02/14/22 08:34 | 02/16/22 08:00 | µg/m$^3$ | ND | 2.00 | 2-Chloronaphthalene |
| SAM2 | 02/14/22 08:34 | 02/16/22 08:00 | µg/m$^3$ | ND | 2.00 | Acenaphthylene |
| SAM2 | 02/14/22 08:34 | 02/16/22 08:00 | µg/m$^3$ | ND | 2.00 | Acenaphthene |
| SAM2 | 02/14/22 08:34 | 02/16/22 08:00 | µg/m$^3$ | ND | 2.00 | Fluorene |
| SAM2 | 02/14/22 08:34 | 02/16/22 08:00 | µg/m$^3$ | ND | 2.00 | PheNDthrene |
| SAM2 | 02/14/22 08:34 | 02/16/22 08:00 | µg/m$^3$ | ND | 2.00 | Anthracene |
| SAM2 | 02/14/22 08:34 | 02/16/22 08:00 | µg/m$^3$ | ND | 2.00 | Fluoranthene |
| SAM2 | 02/14/22 08:34 | 02/16/22 08:00 | µg/m$^3$ | ND | 2.00 | Pyrene |
| SAM2 | 02/14/22 08:34 | 02/16/22 08:00 | µg/m$^3$ | ND | 2.00 | Chrysene |
| SAM2 | 02/14/22 08:34 | 02/16/22 08:00 | µg/m$^3$ | ND | 2.00 | Benzo(a)anthracene |
| SAM2 | 02/14/22 08:34 | 02/16/22 08:00 | µg/m$^3$ | ND | 2.00 | Benzo(b)fluoranthene |
| SAM2 | 02/14/22 08:34 | 02/16/22 08:00 | µg/m$^3$ | ND | 2.00 | Benzo(k)fluoranthene |
| SAM2 | 02/14/22 08:34 | 02/16/22 08:00 | µg/m$^3$ | ND | 2.00 | Benzo(a)pyrene |
| SAM2 | 02/14/22 08:34 | 02/16/22 08:00 | µg/m$^3$ | ND | 2.00 | Indeno(1,2,3-c,d)pyrene |
| SAM2 | 02/14/22 08:34 | 02/16/22 08:00 | µg/m$^3$ | ND | 2.00 | Dibenz(a,h)anthracene |
| SAM2 | 02/14/22 08:34 | 02/16/22 08:00 | µg/m$^3$ | ND | 2.00 | Benzo(g,h,i)perylene |
| SAM3 | 02/14/22 08:43 | 02/16/22 08:07 | µg/m$^3$ | ND | 1.99 | Naphthalene |
| SAM3 | 02/14/22 08:43 | 02/16/22 08:07 | µg/m$^3$ | ND | 1.99 | 2-Methylnaphthalene |
| SAM3 | 02/14/22 08:43 | 02/16/22 08:07 | µg/m$^3$ | ND | 1.99 | 2-Chloronaphthalene |
| SAM3 | 02/14/22 08:43 | 02/16/22 08:07 | µg/m$^3$ | ND | 1.99 | Acenaphthylene |
| SAM3 | 02/14/22 08:43 | 02/16/22 08:07 | µg/m$^3$ | ND | 1.99 | Acenaphthene |
| SAM3 | 02/14/22 08:43 | 02/16/22 08:07 | µg/m$^3$ | ND | 1.99 | Fluorene |
| SAM3 | 02/14/22 08:43 | 02/16/22 08:07 | µg/m$^3$ | ND | 1.99 | PheNDthrene |
| SAM3 | 02/14/22 08:43 | 02/16/22 08:07 | µg/m$^3$ | ND | 1.99 | Anthracene |
| SAM3 | 02/14/22 08:43 | 02/16/22 08:07 | µg/m$^3$ | ND | 1.99 | Fluoranthene |
| SAM3 | 02/14/22 08:43 | 02/16/22 08:07 | µg/m$^3$ | ND | 1.99 | Pyrene |
| SAM3 | 02/14/22 08:43 | 02/16/22 08:07 | µg/m$^3$ | ND | 1.99 | Chrysene |
| SAM3 | 02/14/22 08:43 | 02/16/22 08:07 | µg/m$^3$ | ND | 1.99 | Benzo(a)anthracene |
| SAM3 | 02/14/22 08:43 | 02/16/22 08:07 | µg/m$^3$ | ND | 1.99 | Benzo(b)fluoranthene |
| SAM3 | 02/14/22 08:43 | 02/16/22 08:07 | µg/m$^3$ | ND | 1.99 | Benzo(k)fluoranthene |
| SAM3 | 02/14/22 08:43 | 02/16/22 08:07 | µg/m$^3$ | ND | 1.99 | Benzo(a)pyrene |
| SAM3 | 02/14/22 08:43 | 02/16/22 08:07 | µg/m$^3$ | ND | 1.99 | Indeno(1,2,3-c,d)pyrene |
| SAM3 | 02/14/22 08:43 | 02/16/22 08:07 | µg/m$^3$ | ND | 1.99 | Dibenz(a,h)anthracene |
| SAM3 | 02/14/22 08:43 | 02/16/22 08:07 | µg/m$^3$ | ND | 1.99 | Benzo(g,h,i)perylene |
| SAM4 | 02/14/22 09:08 | 02/16/22 08:30 | µg/m$^3$ | 0.44 | 1.99 | Naphthalene |
| SAM4 | 02/14/22 09:08 | 02/16/22 08:30 | µg/m$^3$ | ND | 1.99 | 2-Methylnaphthalene |
| SAM4 | 02/14/22 09:08 | 02/16/22 08:30 | µg/m$^3$ | ND | 1.99 | 2-Chloronaphthalene |
| SAM4 | 02/14/22 09:08 | 02/16/22 08:30 | µg/m$^3$ | ND | 1.99 | Acenaphthylene |
| SAM4 | 02/14/22 09:08 | 02/16/22 08:30 | µg/m$^3$ | ND | 1.99 | Acenaphthene |
| SAM4 | 02/14/22 09:08 | 02/16/22 08:30 | µg/m$^3$ | ND | 1.99 | Fluorene |
| SAM4 | 02/14/22 09:08 | 02/16/22 08:30 | µg/m$^3$ | ND | 1.99 | PheNDthrene |
| SAM4 | 02/14/22 09:08 | 02/16/22 08:30 | µg/m$^3$ | ND | 1.99 | Anthracene |
| SAM4 | 02/14/22 09:08 | 02/16/22 08:30 | µg/m$^3$ | ND | 1.99 | Fluoranthene |
| SAM4 | 02/14/22 09:08 | 02/16/22 08:30 | µg/m$^3$ | ND | 1.99 | Pyrene |
| SAM4 | 02/14/22 09:08 | 02/16/22 08:30 | µg/m$^3$ | ND | 1.99 | Chrysene |
| SAM4 | 02/14/22 09:08 | 02/16/22 08:30 | µg/m$^3$ | ND | 1.99 | Benzo(a)anthracene |
| SAM4 | 02/14/22 09:08 | 02/16/22 08:30 | µg/m$^3$ | ND | 1.99 | Benzo(b)fluoranthene |
| SAM4 | 02/14/22 09:08 | 02/16/22 08:30 | µg/m$^3$ | ND | 1.99 | Benzo(k)fluoranthene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM4 | 02/14/22 09:08 | 02/16/22 08:30 | µg/m$^3$ | ND | 1.99 | Benzo(a)pyrene |
| SAM4 | 02/14/22 09:08 | 02/16/22 08:30 | µg/m$^3$ | ND | 1.99 | Indeno(1,2,3-c,d)pyrene |
| SAM4 | 02/14/22 09:08 | 02/16/22 08:30 | µg/m$^3$ | ND | 1.99 | Dibenz(a,h)anthracene |
| SAM4 | 02/14/22 09:08 | 02/16/22 08:30 | µg/m$^3$ | ND | 1.99 | Benzo(g,h,i)perylene |
| SAM5 | 02/14/22 08:59 | 02/16/22 08:22 | µg/m$^3$ | ND | 1.98 | Naphthalene |
| SAM5 | 02/14/22 08:59 | 02/16/22 08:22 | µg/m$^3$ | ND | 1.98 | 2-Methylnaphthalene |
| SAM5 | 02/14/22 08:59 | 02/16/22 08:22 | µg/m$^3$ | ND | 1.98 | 2-Chloronaphthalene |
| SAM5 | 02/14/22 08:59 | 02/16/22 08:22 | µg/m$^3$ | ND | 1.98 | Acenaphthylene |
| SAM5 | 02/14/22 08:59 | 02/16/22 08:22 | µg/m$^3$ | ND | 1.98 | Acenaphthene |
| SAM5 | 02/14/22 08:59 | 02/16/22 08:22 | µg/m$^3$ | ND | 1.98 | Fluorene |
| SAM5 | 02/14/22 08:59 | 02/16/22 08:22 | µg/m$^3$ | ND | 1.98 | PheNDthrene |
| SAM5 | 02/14/22 08:59 | 02/16/22 08:22 | µg/m$^3$ | ND | 1.98 | Anthracene |
| SAM5 | 02/14/22 08:59 | 02/16/22 08:22 | µg/m$^3$ | ND | 1.98 | Fluoranthene |
| SAM5 | 02/14/22 08:59 | 02/16/22 08:22 | µg/m$^3$ | ND | 1.98 | Pyrene |
| SAM5 | 02/14/22 08:59 | 02/16/22 08:22 | µg/m$^3$ | ND | 1.98 | Chrysene |
| SAM5 | 02/14/22 08:59 | 02/16/22 08:22 | µg/m$^3$ | ND | 1.98 | Benzo(a)anthracene |
| SAM5 | 02/14/22 08:59 | 02/16/22 08:22 | µg/m$^3$ | ND | 1.98 | Benzo(b)fluoranthene |
| SAM5 | 02/14/22 08:59 | 02/16/22 08:22 | µg/m$^3$ | ND | 1.98 | Benzo(k)fluoranthene |
| SAM5 | 02/14/22 08:59 | 02/16/22 08:22 | µg/m$^3$ | ND | 1.98 | Benzo(a)pyrene |
| SAM5 | 02/14/22 08:59 | 02/16/22 08:22 | µg/m$^3$ | ND | 1.98 | Indeno(1,2,3-c,d)pyrene |
| SAM5 | 02/14/22 08:59 | 02/16/22 08:22 | µg/m$^3$ | ND | 1.98 | Dibenz(a,h)anthracene |
| SAM5 | 02/14/22 08:59 | 02/16/22 08:22 | µg/m$^3$ | ND | 1.98 | Benzo(g,h,i)perylene |
| SAM1 | 02/16/22 08:51 | 02/18/22 07:33 | µg/m$^3$ | ND | 2.01 | Naphthalene |
| SAM1 | 02/16/22 08:51 | 02/18/22 07:33 | µg/m$^3$ | ND | 2.01 | 2-Methylnaphthalene |
| SAM1 | 02/16/22 08:51 | 02/18/22 07:33 | µg/m$^3$ | ND | 2.01 | 2-Chloronaphthalene |
| SAM1 | 02/16/22 08:51 | 02/18/22 07:33 | µg/m$^3$ | ND | 2.01 | Acenaphthylene |
| SAM1 | 02/16/22 08:51 | 02/18/22 07:33 | µg/m$^3$ | ND | 2.01 | Acenaphthene |
| SAM1 | 02/16/22 08:51 | 02/18/22 07:33 | µg/m$^3$ | ND | 2.01 | Fluorene |
| SAM1 | 02/16/22 08:51 | 02/18/22 07:33 | µg/m$^3$ | ND | 2.01 | PheNDthrene |
| SAM1 | 02/16/22 08:51 | 02/18/22 07:33 | µg/m$^3$ | ND | 2.01 | Anthracene |
| SAM1 | 02/16/22 08:51 | 02/18/22 07:33 | µg/m$^3$ | ND | 2.01 | Fluoranthene |
| SAM1 | 02/16/22 08:51 | 02/18/22 07:33 | µg/m$^3$ | ND | 2.01 | Pyrene |
| SAM1 | 02/16/22 08:51 | 02/18/22 07:33 | µg/m$^3$ | ND | 2.01 | Chrysene |
| SAM1 | 02/16/22 08:51 | 02/18/22 07:33 | µg/m$^3$ | ND | 2.01 | Benzo(a)anthracene |
| SAM1 | 02/16/22 08:51 | 02/18/22 07:33 | µg/m$^3$ | ND | 2.01 | Benzo(b)fluoranthene |
| SAM1 | 02/16/22 08:51 | 02/18/22 07:33 | µg/m$^3$ | ND | 2.01 | Benzo(k)fluoranthene |
| SAM1 | 02/16/22 08:51 | 02/18/22 07:33 | µg/m$^3$ | ND | 2.01 | Benzo(a)pyrene |
| SAM1 | 02/16/22 08:51 | 02/18/22 07:33 | µg/m$^3$ | ND | 2.01 | Indeno(1,2,3-c,d)pyrene |
| SAM1 | 02/16/22 08:51 | 02/18/22 07:33 | µg/m$^3$ | ND | 2.01 | Dibenz(a,h)anthracene |
| SAM1 | 02/16/22 08:51 | 02/18/22 07:33 | µg/m$^3$ | ND | 2.01 | Benzo(g,h,i)perylene |
| SAM2 | 02/16/22 08:56 | 02/18/22 06:38 | µg/m$^3$ | ND | 1.96 | Naphthalene |
| SAM2 | 02/16/22 08:56 | 02/18/22 06:38 | µg/m$^3$ | ND | 1.96 | 2-Methylnaphthalene |
| SAM2 | 02/16/22 08:56 | 02/18/22 06:38 | µg/m$^3$ | ND | 1.96 | 2-Chloronaphthalene |
| SAM2 | 02/16/22 08:56 | 02/18/22 06:38 | µg/m$^3$ | ND | 1.96 | Acenaphthylene |
| SAM2 | 02/16/22 08:56 | 02/18/22 06:38 | µg/m$^3$ | ND | 1.96 | Acenaphthene |
| SAM2 | 02/16/22 08:56 | 02/18/22 06:38 | µg/m$^3$ | ND | 1.96 | Fluorene |
| SAM2 | 02/16/22 08:56 | 02/18/22 06:38 | µg/m$^3$ | ND | 1.96 | PheNDthrene |
| SAM2 | 02/16/22 08:56 | 02/18/22 06:38 | µg/m$^3$ | ND | 1.96 | Anthracene |
| SAM2 | 02/16/22 08:56 | 02/18/22 06:38 | µg/m$^3$ | ND | 1.96 | Fluoranthene |
| SAM2 | 02/16/22 08:56 | 02/18/22 06:38 | µg/m$^3$ | ND | 1.96 | Pyrene |
| SAM2 | 02/16/22 08:56 | 02/18/22 06:38 | µg/m$^3$ | ND | 1.96 | Chrysene |
| SAM2 | 02/16/22 08:56 | 02/18/22 06:38 | µg/m$^3$ | ND | 1.96 | Benzo(a)anthracene |
| SAM2 | 02/16/22 08:56 | 02/18/22 06:38 | µg/m$^3$ | ND | 1.96 | Benzo(b)fluoranthene |
| SAM2 | 02/16/22 08:56 | 02/18/22 06:38 | µg/m$^3$ | ND | 1.96 | Benzo(k)fluoranthene |
| SAM2 | 02/16/22 08:56 | 02/18/22 06:38 | µg/m$^3$ | ND | 1.96 | Benzo(a)pyrene |
| SAM2 | 02/16/22 08:56 | 02/18/22 06:38 | µg/m$^3$ | ND | 1.96 | Indeno(1,2,3-c,d)pyrene |
| SAM2 | 02/16/22 08:56 | 02/18/22 06:38 | µg/m$^3$ | ND | 1.96 | Dibenz(a,h)anthracene |
| SAM2 | 02/16/22 08:56 | 02/18/22 06:38 | µg/m$^3$ | ND | 1.96 | Benzo(g,h,i)perylene |
| SAM3 | 02/16/22 08:47 | 02/18/22 07:28 | µg/m$^3$ | ND | 2.01 | Naphthalene |
| SAM3 | 02/16/22 08:47 | 02/18/22 07:28 | µg/m$^3$ | ND | 2.01 | 2-Methylnaphthalene |
| SAM3 | 02/16/22 08:47 | 02/18/22 07:28 | µg/m$^3$ | ND | 2.01 | 2-Chloronaphthalene |
| SAM3 | 02/16/22 08:47 | 02/18/22 07:28 | µg/m$^3$ | ND | 2.01 | Acenaphthylene |
| SAM3 | 02/16/22 08:47 | 02/18/22 07:28 | µg/m$^3$ | ND | 2.01 | Acenaphthene |
| SAM3 | 02/16/22 08:47 | 02/18/22 07:28 | µg/m$^3$ | ND | 2.01 | Fluorene |
| SAM3 | 02/16/22 08:47 | 02/18/22 07:28 | µg/m$^3$ | ND | 2.01 | PheNDthrene |
| SAM3 | 02/16/22 08:47 | 02/18/22 07:28 | µg/m$^3$ | ND | 2.01 | Anthracene |
| SAM3 | 02/16/22 08:47 | 02/18/22 07:28 | µg/m$^3$ | ND | 2.01 | Fluoranthene |
| SAM3 | 02/16/22 08:47 | 02/18/22 07:28 | µg/m$^3$ | ND | 2.01 | Pyrene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM3 | 02/16/22 08:47 | 02/18/22 07:28 | µg/m$^3$ | ND | 2.01 | Chrysene |
| SAM3 | 02/16/22 08:47 | 02/18/22 07:28 | µg/m$^3$ | ND | 2.01 | Benzo(a)anthracene |
| SAM3 | 02/16/22 08:47 | 02/18/22 07:28 | µg/m$^3$ | ND | 2.01 | Benzo(b)fluoranthene |
| SAM3 | 02/16/22 08:47 | 02/18/22 07:28 | µg/m$^3$ | ND | 2.01 | Benzo(k)fluoranthene |
| SAM3 | 02/16/22 08:47 | 02/18/22 07:28 | µg/m$^3$ | ND | 2.01 | Benzo(a)pyrene |
| SAM3 | 02/16/22 08:47 | 02/18/22 07:28 | µg/m$^3$ | ND | 2.01 | Indeno(1,2,3-c,d)pyrene |
| SAM3 | 02/16/22 08:47 | 02/18/22 07:28 | µg/m$^3$ | ND | 2.01 | Dibenz(a,h)anthracene |
| SAM3 | 02/16/22 08:47 | 02/18/22 07:28 | µg/m$^3$ | ND | 2.01 | Benzo(g,h,i)perylene |
| SAM4 | 02/16/22 08:44 | 02/18/22 07:15 | µg/m$^3$ | ND | 2.02 | Naphthalene |
| SAM4 | 02/16/22 08:44 | 02/18/22 07:15 | µg/m$^3$ | ND | 2.02 | 2-Methylnaphthalene |
| SAM4 | 02/16/22 08:44 | 02/18/22 07:15 | µg/m$^3$ | ND | 2.02 | 2-Chloronaphthalene |
| SAM4 | 02/16/22 08:44 | 02/18/22 07:15 | µg/m$^3$ | ND | 2.02 | Acenaphthylene |
| SAM4 | 02/16/22 08:44 | 02/18/22 07:15 | µg/m$^3$ | ND | 2.02 | Acenaphthene |
| SAM4 | 02/16/22 08:44 | 02/18/22 07:15 | µg/m$^3$ | ND | 2.02 | Fluorene |
| SAM4 | 02/16/22 08:44 | 02/18/22 07:15 | µg/m$^3$ | ND | 2.02 | PheNDthrene |
| SAM4 | 02/16/22 08:44 | 02/18/22 07:15 | µg/m$^3$ | ND | 2.02 | Anthracene |
| SAM4 | 02/16/22 08:44 | 02/18/22 07:15 | µg/m$^3$ | ND | 2.02 | Fluoranthene |
| SAM4 | 02/16/22 08:44 | 02/18/22 07:15 | µg/m$^3$ | ND | 2.02 | Pyrene |
| SAM4 | 02/16/22 08:44 | 02/18/22 07:15 | µg/m$^3$ | ND | 2.02 | Chrysene |
| SAM4 | 02/16/22 08:44 | 02/18/22 07:15 | µg/m$^3$ | ND | 2.02 | Benzo(a)anthracene |
| SAM4 | 02/16/22 08:44 | 02/18/22 07:15 | µg/m$^3$ | ND | 2.02 | Benzo(b)fluoranthene |
| SAM4 | 02/16/22 08:44 | 02/18/22 07:15 | µg/m$^3$ | ND | 2.02 | Benzo(k)fluoranthene |
| SAM4 | 02/16/22 08:44 | 02/18/22 07:15 | µg/m$^3$ | ND | 2.02 | Benzo(a)pyrene |
| SAM4 | 02/16/22 08:44 | 02/18/22 07:15 | µg/m$^3$ | ND | 2.02 | Indeno(1,2,3-c,d)pyrene |
| SAM4 | 02/16/22 08:44 | 02/18/22 07:15 | µg/m$^3$ | ND | 2.02 | Dibenz(a,h)anthracene |
| SAM4 | 02/16/22 08:44 | 02/18/22 07:15 | µg/m$^3$ | ND | 2.02 | Benzo(g,h,i)perylene |
| SAM5 | 02/16/22 08:40 | 02/18/22 06:57 | µg/m$^3$ | ND | 2.03 | Naphthalene |
| SAM5 | 02/16/22 08:40 | 02/18/22 06:57 | µg/m$^3$ | ND | 2.03 | 2-Methylnaphthalene |
| SAM5 | 02/16/22 08:40 | 02/18/22 06:57 | µg/m$^3$ | ND | 2.03 | 2-Chloronaphthalene |
| SAM5 | 02/16/22 08:40 | 02/18/22 06:57 | µg/m$^3$ | ND | 2.03 | Acenaphthylene |
| SAM5 | 02/16/22 08:40 | 02/18/22 06:57 | µg/m$^3$ | ND | 2.03 | Acenaphthene |
| SAM5 | 02/16/22 08:40 | 02/18/22 06:57 | µg/m$^3$ | ND | 2.03 | Fluorene |
| SAM5 | 02/16/22 08:40 | 02/18/22 06:57 | µg/m$^3$ | ND | 2.03 | PheNDthrene |
| SAM5 | 02/16/22 08:40 | 02/18/22 06:57 | µg/m$^3$ | ND | 2.03 | Anthracene |
| SAM5 | 02/16/22 08:40 | 02/18/22 06:57 | µg/m$^3$ | ND | 2.03 | Fluoranthene |
| SAM5 | 02/16/22 08:40 | 02/18/22 06:57 | µg/m$^3$ | ND | 2.03 | Pyrene |
| SAM5 | 02/16/22 08:40 | 02/18/22 06:57 | µg/m$^3$ | ND | 2.03 | Chrysene |
| SAM5 | 02/16/22 08:40 | 02/18/22 06:57 | µg/m$^3$ | ND | 2.03 | Benzo(a)anthracene |
| SAM5 | 02/16/22 08:40 | 02/18/22 06:57 | µg/m$^3$ | ND | 2.03 | Benzo(b)fluoranthene |
| SAM5 | 02/16/22 08:40 | 02/18/22 06:57 | µg/m$^3$ | ND | 2.03 | Benzo(k)fluoranthene |
| SAM5 | 02/16/22 08:40 | 02/18/22 06:57 | µg/m$^3$ | ND | 2.03 | Benzo(a)pyrene |
| SAM5 | 02/16/22 08:40 | 02/18/22 06:57 | µg/m$^3$ | ND | 2.03 | Indeno(1,2,3-c,d)pyrene |
| SAM5 | 02/16/22 08:40 | 02/18/22 06:57 | µg/m$^3$ | ND | 2.03 | Dibenz(a,h)anthracene |
| SAM5 | 02/16/22 08:40 | 02/18/22 06:57 | µg/m$^3$ | ND | 2.03 | Benzo(g,h,i)perylene |
| SAM1 | 02/21/22 07:55 | 02/23/22 07:59 | µg/m$^3$ | 0.21 | 2.01 | Naphthalene |
| SAM1 | 02/21/22 07:55 | 02/23/22 07:59 | µg/m$^3$ | ND | 2.01 | 2-Methylnaphthalene |
| SAM1 | 02/21/22 07:55 | 02/23/22 07:59 | µg/m$^3$ | ND | 2.01 | 2-Chloronaphthalene |
| SAM1 | 02/21/22 07:55 | 02/23/22 07:59 | µg/m$^3$ | ND | 2.01 | Acenaphthylene |
| SAM1 | 02/21/22 07:55 | 02/23/22 07:59 | µg/m$^3$ | ND | 2.01 | Acenaphthene |
| SAM1 | 02/21/22 07:55 | 02/23/22 07:59 | µg/m$^3$ | ND | 2.01 | Fluorene |
| SAM1 | 02/21/22 07:55 | 02/23/22 07:59 | µg/m$^3$ | ND | 2.01 | PheNDthrene |
| SAM1 | 02/21/22 07:55 | 02/23/22 07:59 | µg/m$^3$ | ND | 2.01 | Anthracene |
| SAM1 | 02/21/22 07:55 | 02/23/22 07:59 | µg/m$^3$ | ND | 2.01 | Fluoranthene |
| SAM1 | 02/21/22 07:55 | 02/23/22 07:59 | µg/m$^3$ | ND | 2.01 | Pyrene |
| SAM1 | 02/21/22 07:55 | 02/23/22 07:59 | µg/m$^3$ | ND | 2.01 | Chrysene |
| SAM1 | 02/21/22 07:55 | 02/23/22 07:59 | µg/m$^3$ | ND | 2.01 | Benzo(a)anthracene |
| SAM1 | 02/21/22 07:55 | 02/23/22 07:59 | µg/m$^3$ | ND | 2.01 | Benzo(b)fluoranthene |
| SAM1 | 02/21/22 07:55 | 02/23/22 07:59 | µg/m$^3$ | ND | 2.01 | Benzo(k)fluoranthene |
| SAM1 | 02/21/22 07:55 | 02/23/22 07:59 | µg/m$^3$ | ND | 2.01 | Benzo(a)pyrene |
| SAM1 | 02/21/22 07:55 | 02/23/22 07:59 | µg/m$^3$ | ND | 2.01 | Indeno(1,2,3-c,d)pyrene |
| SAM1 | 02/21/22 07:55 | 02/23/22 07:59 | µg/m$^3$ | ND | 2.01 | Dibenz(a,h)anthracene |
| SAM1 | 02/21/22 07:55 | 02/23/22 07:59 | µg/m$^3$ | ND | 2.01 | Benzo(g,h,i)perylene |
| SAM2 | 02/21/22 07:55 | 02/23/22 07:53 | µg/m$^3$ | ND | 2.01 | Naphthalene |
| SAM2 | 02/21/22 07:55 | 02/23/22 07:53 | µg/m$^3$ | ND | 2.01 | 2-Methylnaphthalene |
| SAM2 | 02/21/22 07:55 | 02/23/22 07:53 | µg/m$^3$ | ND | 2.01 | 2-Chloronaphthalene |
| SAM2 | 02/21/22 07:55 | 02/23/22 07:53 | µg/m$^3$ | ND | 2.01 | Acenaphthylene |
| SAM2 | 02/21/22 07:55 | 02/23/22 07:53 | µg/m$^3$ | ND | 2.01 | Acenaphthene |
| SAM2 | 02/21/22 07:55 | 02/23/22 07:53 | µg/m$^3$ | ND | 2.01 | Fluorene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM2 | 02/21/22 07:55 | 02/23/22 07:53 | µg/m$^3$ | ND | 2.01 | PheNDthrene |
| SAM2 | 02/21/22 07:55 | 02/23/22 07:53 | µg/m$^3$ | ND | 2.01 | Anthracene |
| SAM2 | 02/21/22 07:55 | 02/23/22 07:53 | µg/m$^3$ | ND | 2.01 | Fluoranthene |
| SAM2 | 02/21/22 07:55 | 02/23/22 07:53 | µg/m$^3$ | ND | 2.01 | Pyrene |
| SAM2 | 02/21/22 07:55 | 02/23/22 07:53 | µg/m$^3$ | ND | 2.01 | Chrysene |
| SAM2 | 02/21/22 07:55 | 02/23/22 07:53 | µg/m$^3$ | ND | 2.01 | Benzo(a)anthracene |
| SAM2 | 02/21/22 07:55 | 02/23/22 07:53 | µg/m$^3$ | ND | 2.01 | Benzo(b)fluoranthene |
| SAM2 | 02/21/22 07:55 | 02/23/22 07:53 | µg/m$^3$ | ND | 2.01 | Benzo(k)fluoranthene |
| SAM2 | 02/21/22 07:55 | 02/23/22 07:53 | µg/m$^3$ | ND | 2.01 | Benzo(a)pyrene |
| SAM2 | 02/21/22 07:55 | 02/23/22 07:53 | µg/m$^3$ | ND | 2.01 | Indeno(1,2,3-c,d)pyrene |
| SAM2 | 02/21/22 07:55 | 02/23/22 07:53 | µg/m$^3$ | ND | 2.01 | Dibenz(a,h)anthracene |
| SAM2 | 02/21/22 07:55 | 02/23/22 07:53 | µg/m$^3$ | ND | 2.01 | Benzo(g,h,i)perylene |
| SAM3 | 02/21/22 07:45 | 02/23/22 07:47 | µg/m$^3$ | 0.19 | 2.02 | Naphthalene |
| SAM3 | 02/21/22 07:45 | 02/23/22 07:47 | µg/m$^3$ | ND | 2.02 | 2-Methylnaphthalene |
| SAM3 | 02/21/22 07:45 | 02/23/22 07:47 | µg/m$^3$ | ND | 2.02 | 2-Chloronaphthalene |
| SAM3 | 02/21/22 07:45 | 02/23/22 07:47 | µg/m$^3$ | ND | 2.02 | Acenaphthylene |
| SAM3 | 02/21/22 07:45 | 02/23/22 07:47 | µg/m$^3$ | ND | 2.02 | Acenaphthene |
| SAM3 | 02/21/22 07:45 | 02/23/22 07:47 | µg/m$^3$ | ND | 2.02 | Fluorene |
| SAM3 | 02/21/22 07:45 | 02/23/22 07:47 | µg/m$^3$ | ND | 2.02 | PheNDthrene |
| SAM3 | 02/21/22 07:45 | 02/23/22 07:47 | µg/m$^3$ | ND | 2.02 | Anthracene |
| SAM3 | 02/21/22 07:45 | 02/23/22 07:47 | µg/m$^3$ | ND | 2.02 | Fluoranthene |
| SAM3 | 02/21/22 07:45 | 02/23/22 07:47 | µg/m$^3$ | ND | 2.02 | Pyrene |
| SAM3 | 02/21/22 07:45 | 02/23/22 07:47 | µg/m$^3$ | ND | 2.02 | Chrysene |
| SAM3 | 02/21/22 07:45 | 02/23/22 07:47 | µg/m$^3$ | ND | 2.02 | Benzo(a)anthracene |
| SAM3 | 02/21/22 07:45 | 02/23/22 07:47 | µg/m$^3$ | ND | 2.02 | Benzo(b)fluoranthene |
| SAM3 | 02/21/22 07:45 | 02/23/22 07:47 | µg/m$^3$ | ND | 2.02 | Benzo(k)fluoranthene |
| SAM3 | 02/21/22 07:45 | 02/23/22 07:47 | µg/m$^3$ | ND | 2.02 | Benzo(a)pyrene |
| SAM3 | 02/21/22 07:45 | 02/23/22 07:47 | µg/m$^3$ | ND | 2.02 | Indeno(1,2,3-c,d)pyrene |
| SAM3 | 02/21/22 07:45 | 02/23/22 07:47 | µg/m$^3$ | ND | 2.02 | Dibenz(a,h)anthracene |
| SAM3 | 02/21/22 07:45 | 02/23/22 07:47 | µg/m$^3$ | ND | 2.02 | Benzo(g,h,i)perylene |
| SAM4 | 02/21/22 08:15 | 02/23/22 08:16 | µg/m$^3$ | 0.72 | 2.02 | Naphthalene |
| SAM4 | 02/21/22 08:15 | 02/23/22 08:16 | µg/m$^3$ | ND | 2.02 | 2-Methylnaphthalene |
| SAM4 | 02/21/22 08:15 | 02/23/22 08:16 | µg/m$^3$ | ND | 2.02 | 2-Chloronaphthalene |
| SAM4 | 02/21/22 08:15 | 02/23/22 08:16 | µg/m$^3$ | ND | 2.02 | Acenaphthylene |
| SAM4 | 02/21/22 08:15 | 02/23/22 08:16 | µg/m$^3$ | ND | 2.02 | Acenaphthene |
| SAM4 | 02/21/22 08:15 | 02/23/22 08:16 | µg/m$^3$ | ND | 2.02 | Fluorene |
| SAM4 | 02/21/22 08:15 | 02/23/22 08:16 | µg/m$^3$ | ND | 2.02 | PheNDthrene |
| SAM4 | 02/21/22 08:15 | 02/23/22 08:16 | µg/m$^3$ | ND | 2.02 | Anthracene |
| SAM4 | 02/21/22 08:15 | 02/23/22 08:16 | µg/m$^3$ | ND | 2.02 | Fluoranthene |
| SAM4 | 02/21/22 08:15 | 02/23/22 08:16 | µg/m$^3$ | ND | 2.02 | Pyrene |
| SAM4 | 02/21/22 08:15 | 02/23/22 08:16 | µg/m$^3$ | ND | 2.02 | Chrysene |
| SAM4 | 02/21/22 08:15 | 02/23/22 08:16 | µg/m$^3$ | ND | 2.02 | Benzo(a)anthracene |
| SAM4 | 02/21/22 08:15 | 02/23/22 08:16 | µg/m$^3$ | ND | 2.02 | Benzo(b)fluoranthene |
| SAM4 | 02/21/22 08:15 | 02/23/22 08:16 | µg/m$^3$ | ND | 2.02 | Benzo(k)fluoranthene |
| SAM4 | 02/21/22 08:15 | 02/23/22 08:16 | µg/m$^3$ | ND | 2.02 | Benzo(a)pyrene |
| SAM4 | 02/21/22 08:15 | 02/23/22 08:16 | µg/m$^3$ | ND | 2.02 | Indeno(1,2,3-c,d)pyrene |
| SAM4 | 02/21/22 08:15 | 02/23/22 08:16 | µg/m$^3$ | ND | 2.02 | Dibenz(a,h)anthracene |
| SAM4 | 02/21/22 08:15 | 02/23/22 08:16 | µg/m$^3$ | ND | 2.02 | Benzo(g,h,i)perylene |
| SAM5 | 02/21/22 08:48 | 02/23/22 08:07 | µg/m$^3$ | ND | 2.02 | Naphthalene |
| SAM5 | 02/21/22 08:48 | 02/23/22 08:07 | µg/m$^3$ | ND | 2.02 | 2-Methylnaphthalene |
| SAM5 | 02/21/22 08:48 | 02/23/22 08:07 | µg/m$^3$ | ND | 2.02 | 2-Chloronaphthalene |
| SAM5 | 02/21/22 08:48 | 02/23/22 08:07 | µg/m$^3$ | ND | 2.02 | Acenaphthylene |
| SAM5 | 02/21/22 08:48 | 02/23/22 08:07 | µg/m$^3$ | ND | 2.02 | Acenaphthene |
| SAM5 | 02/21/22 08:48 | 02/23/22 08:07 | µg/m$^3$ | ND | 2.02 | Fluorene |
| SAM5 | 02/21/22 08:48 | 02/23/22 08:07 | µg/m$^3$ | ND | 2.02 | PheNDthrene |
| SAM5 | 02/21/22 08:48 | 02/23/22 08:07 | µg/m$^3$ | ND | 2.02 | Anthracene |
| SAM5 | 02/21/22 08:48 | 02/23/22 08:07 | µg/m$^3$ | ND | 2.02 | Fluoranthene |
| SAM5 | 02/21/22 08:48 | 02/23/22 08:07 | µg/m$^3$ | ND | 2.02 | Pyrene |
| SAM5 | 02/21/22 08:48 | 02/23/22 08:07 | µg/m$^3$ | ND | 2.02 | Chrysene |
| SAM5 | 02/21/22 08:48 | 02/23/22 08:07 | µg/m$^3$ | ND | 2.02 | Benzo(a)anthracene |
| SAM5 | 02/21/22 08:48 | 02/23/22 08:07 | µg/m$^3$ | ND | 2.02 | Benzo(b)fluoranthene |
| SAM5 | 02/21/22 08:48 | 02/23/22 08:07 | µg/m$^3$ | ND | 2.02 | Benzo(k)fluoranthene |
| SAM5 | 02/21/22 08:48 | 02/23/22 08:07 | µg/m$^3$ | ND | 2.02 | Benzo(a)pyrene |
| SAM5 | 02/21/22 08:48 | 02/23/22 08:07 | µg/m$^3$ | ND | 2.02 | Indeno(1,2,3-c,d)pyrene |
| SAM5 | 02/21/22 08:48 | 02/23/22 08:07 | µg/m$^3$ | ND | 2.02 | Dibenz(a,h)anthracene |
| SAM5 | 02/21/22 08:48 | 02/23/22 08:07 | µg/m$^3$ | ND | 2.02 | Benzo(g,h,i)perylene |
| SAM1 | 02/23/22 09:00 | 02/25/22 09:40 | µg/m$^3$ | 0.68 | 1.98 | Naphthalene |
| SAM1 | 02/23/22 09:00 | 02/25/22 09:40 | µg/m$^3$ | ND | 1.98 | 2-Methylnaphthalene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM1 | 02/23/22 09:00 | 02/25/22 09:40 | µg/m$^3$ | ND | 1.98 | 2-Chloronaphthalene |
| SAM1 | 02/23/22 09:00 | 02/25/22 09:40 | µg/m$^3$ | ND | 1.98 | Acenaphthylene |
| SAM1 | 02/23/22 09:00 | 02/25/22 09:40 | µg/m$^3$ | ND | 1.98 | Acenaphthene |
| SAM1 | 02/23/22 09:00 | 02/25/22 09:40 | µg/m$^3$ | ND | 1.98 | Fluorene |
| SAM1 | 02/23/22 09:00 | 02/25/22 09:40 | µg/m$^3$ | ND | 1.98 | PheNDthrene |
| SAM1 | 02/23/22 09:00 | 02/25/22 09:40 | µg/m$^3$ | ND | 1.98 | Anthracene |
| SAM1 | 02/23/22 09:00 | 02/25/22 09:40 | µg/m$^3$ | ND | 1.98 | Fluoranthene |
| SAM1 | 02/23/22 09:00 | 02/25/22 09:40 | µg/m$^3$ | ND | 1.98 | Pyrene |
| SAM1 | 02/23/22 09:00 | 02/25/22 09:40 | µg/m$^3$ | ND | 1.98 | Chrysene |
| SAM1 | 02/23/22 09:00 | 02/25/22 09:40 | µg/m$^3$ | ND | 1.98 | Benzo(a)anthracene |
| SAM1 | 02/23/22 09:00 | 02/25/22 09:40 | µg/m$^3$ | ND | 1.98 | Benzo(b)fluoranthene |
| SAM1 | 02/23/22 09:00 | 02/25/22 09:40 | µg/m$^3$ | ND | 1.98 | Benzo(k)fluoranthene |
| SAM1 | 02/23/22 09:00 | 02/25/22 09:40 | µg/m$^3$ | ND | 1.98 | Benzo(a)pyrene |
| SAM1 | 02/23/22 09:00 | 02/25/22 09:40 | µg/m$^3$ | ND | 1.98 | Indeno(1,2,3-c,d)pyrene |
| SAM1 | 02/23/22 09:00 | 02/25/22 09:40 | µg/m$^3$ | ND | 1.98 | Dibenz(a,h)anthracene |
| SAM1 | 02/23/22 09:00 | 02/25/22 09:40 | µg/m$^3$ | ND | 1.98 | Benzo(g,h,i)perylene |
| SAM2 | 02/23/22 08:46 | 02/25/22 09:31 | µg/m$^3$ | ND | 1.99 | Naphthalene |
| SAM2 | 02/23/22 08:46 | 02/25/22 09:31 | µg/m$^3$ | ND | 1.99 | 2-Methylnaphthalene |
| SAM2 | 02/23/22 08:46 | 02/25/22 09:31 | µg/m$^3$ | ND | 1.99 | 2-Chloronaphthalene |
| SAM2 | 02/23/22 08:46 | 02/25/22 09:31 | µg/m$^3$ | ND | 1.99 | Acenaphthylene |
| SAM2 | 02/23/22 08:46 | 02/25/22 09:31 | µg/m$^3$ | ND | 1.99 | Acenaphthene |
| SAM2 | 02/23/22 08:46 | 02/25/22 09:31 | µg/m$^3$ | ND | 1.99 | Fluorene |
| SAM2 | 02/23/22 08:46 | 02/25/22 09:31 | µg/m$^3$ | ND | 1.99 | PheNDthrene |
| SAM2 | 02/23/22 08:46 | 02/25/22 09:31 | µg/m$^3$ | ND | 1.99 | Anthracene |
| SAM2 | 02/23/22 08:46 | 02/25/22 09:31 | µg/m$^3$ | ND | 1.99 | Fluoranthene |
| SAM2 | 02/23/22 08:46 | 02/25/22 09:31 | µg/m$^3$ | ND | 1.99 | Pyrene |
| SAM2 | 02/23/22 08:46 | 02/25/22 09:31 | µg/m$^3$ | ND | 1.99 | Chrysene |
| SAM2 | 02/23/22 08:46 | 02/25/22 09:31 | µg/m$^3$ | ND | 1.99 | Benzo(a)anthracene |
| SAM2 | 02/23/22 08:46 | 02/25/22 09:31 | µg/m$^3$ | ND | 1.99 | Benzo(b)fluoranthene |
| SAM2 | 02/23/22 08:46 | 02/25/22 09:31 | µg/m$^3$ | ND | 1.99 | Benzo(k)fluoranthene |
| SAM2 | 02/23/22 08:46 | 02/25/22 09:31 | µg/m$^3$ | ND | 1.99 | Benzo(a)pyrene |
| SAM2 | 02/23/22 08:46 | 02/25/22 09:31 | µg/m$^3$ | ND | 1.99 | Indeno(1,2,3-c,d)pyrene |
| SAM2 | 02/23/22 08:46 | 02/25/22 09:31 | µg/m$^3$ | ND | 1.99 | Dibenz(a,h)anthracene |
| SAM2 | 02/23/22 08:46 | 02/25/22 09:31 | µg/m$^3$ | ND | 1.99 | Benzo(g,h,i)perylene |
| SAM3 | 02/23/22 08:58 | 02/25/22 09:35 | µg/m$^3$ | 0.62 | 1.99 | Naphthalene |
| SAM3 | 02/23/22 08:58 | 02/25/22 09:35 | µg/m$^3$ | ND | 1.99 | 2-Methylnaphthalene |
| SAM3 | 02/23/22 08:58 | 02/25/22 09:35 | µg/m$^3$ | ND | 1.99 | 2-Chloronaphthalene |
| SAM3 | 02/23/22 08:58 | 02/25/22 09:35 | µg/m$^3$ | ND | 1.99 | Acenaphthylene |
| SAM3 | 02/23/22 08:58 | 02/25/22 09:35 | µg/m$^3$ | ND | 1.99 | Acenaphthene |
| SAM3 | 02/23/22 08:58 | 02/25/22 09:35 | µg/m$^3$ | ND | 1.99 | Fluorene |
| SAM3 | 02/23/22 08:58 | 02/25/22 09:35 | µg/m$^3$ | ND | 1.99 | PheNDthrene |
| SAM3 | 02/23/22 08:58 | 02/25/22 09:35 | µg/m$^3$ | ND | 1.99 | Anthracene |
| SAM3 | 02/23/22 08:58 | 02/25/22 09:35 | µg/m$^3$ | ND | 1.99 | Fluoranthene |
| SAM3 | 02/23/22 08:58 | 02/25/22 09:35 | µg/m$^3$ | ND | 1.99 | Pyrene |
| SAM3 | 02/23/22 08:58 | 02/25/22 09:35 | µg/m$^3$ | ND | 1.99 | Chrysene |
| SAM3 | 02/23/22 08:58 | 02/25/22 09:35 | µg/m$^3$ | ND | 1.99 | Benzo(a)anthracene |
| SAM3 | 02/23/22 08:58 | 02/25/22 09:35 | µg/m$^3$ | ND | 1.99 | Benzo(b)fluoranthene |
| SAM3 | 02/23/22 08:58 | 02/25/22 09:35 | µg/m$^3$ | ND | 1.99 | Benzo(k)fluoranthene |
| SAM3 | 02/23/22 08:58 | 02/25/22 09:35 | µg/m$^3$ | ND | 1.99 | Benzo(a)pyrene |
| SAM3 | 02/23/22 08:58 | 02/25/22 09:35 | µg/m$^3$ | ND | 1.99 | Indeno(1,2,3-c,d)pyrene |
| SAM3 | 02/23/22 08:58 | 02/25/22 09:35 | µg/m$^3$ | ND | 1.99 | Dibenz(a,h)anthracene |
| SAM3 | 02/23/22 08:58 | 02/25/22 09:35 | µg/m$^3$ | ND | 1.99 | Benzo(g,h,i)perylene |
| SAM4 | 02/23/22 09:11 | 02/25/22 09:54 | µg/m$^3$ | 0.78 | 1.94 | Naphthalene |
| SAM4 | 02/23/22 09:11 | 02/25/22 09:54 | µg/m$^3$ | ND | 1.94 | 2-Methylnaphthalene |
| SAM4 | 02/23/22 09:11 | 02/25/22 09:54 | µg/m$^3$ | ND | 1.94 | 2-Chloronaphthalene |
| SAM4 | 02/23/22 09:11 | 02/25/22 09:54 | µg/m$^3$ | ND | 1.94 | Acenaphthylene |
| SAM4 | 02/23/22 09:11 | 02/25/22 09:54 | µg/m$^3$ | ND | 1.94 | Acenaphthene |
| SAM4 | 02/23/22 09:11 | 02/25/22 09:54 | µg/m$^3$ | ND | 1.94 | Fluorene |
| SAM4 | 02/23/22 09:11 | 02/25/22 09:54 | µg/m$^3$ | ND | 1.94 | PheNDthrene |
| SAM4 | 02/23/22 09:11 | 02/25/22 09:54 | µg/m$^3$ | ND | 1.94 | Anthracene |
| SAM4 | 02/23/22 09:11 | 02/25/22 09:54 | µg/m$^3$ | ND | 1.94 | Fluoranthene |
| SAM4 | 02/23/22 09:11 | 02/25/22 09:54 | µg/m$^3$ | ND | 1.94 | Pyrene |
| SAM4 | 02/23/22 09:11 | 02/25/22 09:54 | µg/m$^3$ | ND | 1.94 | Chrysene |
| SAM4 | 02/23/22 09:11 | 02/25/22 09:54 | µg/m$^3$ | ND | 1.94 | Benzo(a)anthracene |
| SAM4 | 02/23/22 09:11 | 02/25/22 09:54 | µg/m$^3$ | ND | 1.94 | Benzo(b)fluoranthene |
| SAM4 | 02/23/22 09:11 | 02/25/22 09:54 | µg/m$^3$ | ND | 1.94 | Benzo(k)fluoranthene |
| SAM4 | 02/23/22 09:11 | 02/25/22 09:54 | µg/m$^3$ | ND | 1.94 | Benzo(a)pyrene |
| SAM4 | 02/23/22 09:11 | 02/25/22 09:54 | µg/m$^3$ | ND | 1.94 | Indeno(1,2,3-c,d)pyrene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM4 | 02/23/22 09:11 | 02/25/22 09:54 | µg/m$^3$ | ND | 1.94 | Dibenz(a,h)anthracene |
| SAM4 | 02/23/22 09:11 | 02/25/22 09:54 | µg/m$^3$ | ND | 1.94 | Benzo(g,h,i)perylene |
| SAM5 | 02/23/22 09:05 | 02/25/22 09:48 | µg/m$^3$ | 1.54 | 1.98 | Naphthalene |
| SAM5 | 02/23/22 09:05 | 02/25/22 09:48 | µg/m$^3$ | 0.31 | 1.98 | 2-Methylnaphthalene |
| SAM5 | 02/23/22 09:05 | 02/25/22 09:48 | µg/m$^3$ | ND | 1.98 | 2-Chloronaphthalene |
| SAM5 | 02/23/22 09:05 | 02/25/22 09:48 | µg/m$^3$ | ND | 1.98 | Acenaphthylene |
| SAM5 | 02/23/22 09:05 | 02/25/22 09:48 | µg/m$^3$ | ND | 1.98 | Acenaphthene |
| SAM5 | 02/23/22 09:05 | 02/25/22 09:48 | µg/m$^3$ | ND | 1.98 | Fluorene |
| SAM5 | 02/23/22 09:05 | 02/25/22 09:48 | µg/m$^3$ | ND | 1.98 | PheNDthrene |
| SAM5 | 02/23/22 09:05 | 02/25/22 09:48 | µg/m$^3$ | ND | 1.98 | Anthracene |
| SAM5 | 02/23/22 09:05 | 02/25/22 09:48 | µg/m$^3$ | ND | 1.98 | Fluoranthene |
| SAM5 | 02/23/22 09:05 | 02/25/22 09:48 | µg/m$^3$ | ND | 1.98 | Pyrene |
| SAM5 | 02/23/22 09:05 | 02/25/22 09:48 | µg/m$^3$ | ND | 1.98 | Chrysene |
| SAM5 | 02/23/22 09:05 | 02/25/22 09:48 | µg/m$^3$ | ND | 1.98 | Benzo(a)anthracene |
| SAM5 | 02/23/22 09:05 | 02/25/22 09:48 | µg/m$^3$ | ND | 1.98 | Benzo(b)fluoranthene |
| SAM5 | 02/23/22 09:05 | 02/25/22 09:48 | µg/m$^3$ | ND | 1.98 | Benzo(k)fluoranthene |
| SAM5 | 02/23/22 09:05 | 02/25/22 09:48 | µg/m$^3$ | ND | 1.98 | Benzo(a)pyrene |
| SAM5 | 02/23/22 09:05 | 02/25/22 09:48 | µg/m$^3$ | ND | 1.98 | Indeno(1,2,3-c,d)pyrene |
| SAM5 | 02/23/22 09:05 | 02/25/22 09:48 | µg/m$^3$ | ND | 1.98 | Dibenz(a,h)anthracene |
| SAM5 | 02/23/22 09:05 | 02/25/22 09:48 | µg/m$^3$ | ND | 1.98 | Benzo(g,h,i)perylene |
| SAM1 | 02/28/22 08:12 | 03/02/22 08:42 | µg/m$^3$ | 1.22 | 2.03 | Naphthalene |
| SAM1 | 02/28/22 08:12 | 03/02/22 08:42 | µg/m$^3$ | 0.3 | 2.03 | 2-Methylnaphthalene |
| SAM1 | 02/28/22 08:12 | 03/02/22 08:42 | µg/m$^3$ | ND | 2.03 | 2-Chloronaphthalene |
| SAM1 | 02/28/22 08:12 | 03/02/22 08:42 | µg/m$^3$ | ND | 2.03 | Acenaphthylene |
| SAM1 | 02/28/22 08:12 | 03/02/22 08:42 | µg/m$^3$ | ND | 2.03 | Acenaphthene |
| SAM1 | 02/28/22 08:12 | 03/02/22 08:42 | µg/m$^3$ | ND | 2.03 | Fluorene |
| SAM1 | 02/28/22 08:12 | 03/02/22 08:42 | µg/m$^3$ | ND | 2.03 | PheNDthrene |
| SAM1 | 02/28/22 08:12 | 03/02/22 08:42 | µg/m$^3$ | ND | 2.03 | Anthracene |
| SAM1 | 02/28/22 08:12 | 03/02/22 08:42 | µg/m$^3$ | ND | 2.03 | Fluoranthene |
| SAM1 | 02/28/22 08:12 | 03/02/22 08:42 | µg/m$^3$ | ND | 2.03 | Pyrene |
| SAM1 | 02/28/22 08:12 | 03/02/22 08:42 | µg/m$^3$ | ND | 2.03 | Chrysene |
| SAM1 | 02/28/22 08:12 | 03/02/22 08:42 | µg/m$^3$ | ND | 2.03 | Benzo(a)anthracene |
| SAM1 | 02/28/22 08:12 | 03/02/22 08:42 | µg/m$^3$ | ND | 2.03 | Benzo(b)fluoranthene |
| SAM1 | 02/28/22 08:12 | 03/02/22 08:42 | µg/m$^3$ | ND | 2.03 | Benzo(k)fluoranthene |
| SAM1 | 02/28/22 08:12 | 03/02/22 08:42 | µg/m$^3$ | ND | 2.03 | Benzo(a)pyrene |
| SAM1 | 02/28/22 08:12 | 03/02/22 08:42 | µg/m$^3$ | ND | 2.03 | Indeno(1,2,3-c,d)pyrene |
| SAM1 | 02/28/22 08:12 | 03/02/22 08:42 | µg/m$^3$ | ND | 2.03 | Dibenz(a,h)anthracene |
| SAM1 | 02/28/22 08:12 | 03/02/22 08:42 | µg/m$^3$ | ND | 2.03 | Benzo(g,h,i)perylene |
| SAM2 | 02/28/22 07:59 | 03/02/22 08:31 | µg/m$^3$ | 1.64 | 2.02 | Naphthalene |
| SAM2 | 02/28/22 07:59 | 03/02/22 08:31 | µg/m$^3$ | 0.31 | 2.02 | 2-Methylnaphthalene |
| SAM2 | 02/28/22 07:59 | 03/02/22 08:31 | µg/m$^3$ | ND | 2.02 | 2-Chloronaphthalene |
| SAM2 | 02/28/22 07:59 | 03/02/22 08:31 | µg/m$^3$ | ND | 2.02 | Acenaphthylene |
| SAM2 | 02/28/22 07:59 | 03/02/22 08:31 | µg/m$^3$ | ND | 2.02 | Acenaphthene |
| SAM2 | 02/28/22 07:59 | 03/02/22 08:31 | µg/m$^3$ | ND | 2.02 | Fluorene |
| SAM2 | 02/28/22 07:59 | 03/02/22 08:31 | µg/m$^3$ | ND | 2.02 | PheNDthrene |
| SAM2 | 02/28/22 07:59 | 03/02/22 08:31 | µg/m$^3$ | ND | 2.02 | Anthracene |
| SAM2 | 02/28/22 07:59 | 03/02/22 08:31 | µg/m$^3$ | ND | 2.02 | Fluoranthene |
| SAM2 | 02/28/22 07:59 | 03/02/22 08:31 | µg/m$^3$ | ND | 2.02 | Pyrene |
| SAM2 | 02/28/22 07:59 | 03/02/22 08:31 | µg/m$^3$ | ND | 2.02 | Chrysene |
| SAM2 | 02/28/22 07:59 | 03/02/22 08:31 | µg/m$^3$ | ND | 2.02 | Benzo(a)anthracene |
| SAM2 | 02/28/22 07:59 | 03/02/22 08:31 | µg/m$^3$ | ND | 2.02 | Benzo(b)fluoranthene |
| SAM2 | 02/28/22 07:59 | 03/02/22 08:31 | µg/m$^3$ | ND | 2.02 | Benzo(k)fluoranthene |
| SAM2 | 02/28/22 07:59 | 03/02/22 08:31 | µg/m$^3$ | ND | 2.02 | Benzo(a)pyrene |
| SAM2 | 02/28/22 07:59 | 03/02/22 08:31 | µg/m$^3$ | ND | 2.02 | Indeno(1,2,3-c,d)pyrene |
| SAM2 | 02/28/22 07:59 | 03/02/22 08:31 | µg/m$^3$ | ND | 2.02 | Dibenz(a,h)anthracene |
| SAM2 | 02/28/22 07:59 | 03/02/22 08:31 | µg/m$^3$ | ND | 2.02 | Benzo(g,h,i)perylene |
| SAM3 | 02/28/22 08:06 | 03/02/22 08:37 | µg/m$^3$ | 1.16 | 2.01 | Naphthalene |
| SAM3 | 02/28/22 08:06 | 03/02/22 08:37 | µg/m$^3$ | 0.26 | 2.01 | 2-Methylnaphthalene |
| SAM3 | 02/28/22 08:06 | 03/02/22 08:37 | µg/m$^3$ | ND | 2.01 | 2-Chloronaphthalene |
| SAM3 | 02/28/22 08:06 | 03/02/22 08:37 | µg/m$^3$ | ND | 2.01 | Acenaphthylene |
| SAM3 | 02/28/22 08:06 | 03/02/22 08:37 | µg/m$^3$ | ND | 2.01 | Acenaphthene |
| SAM3 | 02/28/22 08:06 | 03/02/22 08:37 | µg/m$^3$ | ND | 2.01 | Fluorene |
| SAM3 | 02/28/22 08:06 | 03/02/22 08:37 | µg/m$^3$ | ND | 2.01 | PheNDthrene |
| SAM3 | 02/28/22 08:06 | 03/02/22 08:37 | µg/m$^3$ | ND | 2.01 | Anthracene |
| SAM3 | 02/28/22 08:06 | 03/02/22 08:37 | µg/m$^3$ | ND | 2.01 | Fluoranthene |
| SAM3 | 02/28/22 08:06 | 03/02/22 08:37 | µg/m$^3$ | ND | 2.01 | Pyrene |
| SAM3 | 02/28/22 08:06 | 03/02/22 08:37 | µg/m$^3$ | ND | 2.01 | Chrysene |
| SAM3 | 02/28/22 08:06 | 03/02/22 08:37 | µg/m$^3$ | ND | 2.01 | Benzo(a)anthracene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM3 | 02/28/22 08:06 | 03/02/22 08:37 | µg/m$^3$ | ND | 2.01 | Benzo(b)fluoranthene |
| SAM3 | 02/28/22 08:06 | 03/02/22 08:37 | µg/m$^3$ | ND | 2.01 | Benzo(k)fluoranthene |
| SAM3 | 02/28/22 08:06 | 03/02/22 08:37 | µg/m$^3$ | ND | 2.01 | Benzo(a)pyrene |
| SAM3 | 02/28/22 08:06 | 03/02/22 08:37 | µg/m$^3$ | ND | 2.01 | Indeno(1,2,3-c,d)pyrene |
| SAM3 | 02/28/22 08:06 | 03/02/22 08:37 | µg/m$^3$ | ND | 2.01 | Dibenz(a,h)anthracene |
| SAM3 | 02/28/22 08:06 | 03/02/22 08:37 | µg/m$^3$ | ND | 2.01 | Benzo(g,h,i)perylene |
| SAM4 | 02/28/22 08:27 | 03/02/22 08:54 | µg/m$^3$ | 0.95 | 2.06 | Naphthalene |
| SAM4 | 02/28/22 08:27 | 03/02/22 08:54 | µg/m$^3$ | 0.2 | 2.06 | 2-Methylnaphthalene |
| SAM4 | 02/28/22 08:27 | 03/02/22 08:54 | µg/m$^3$ | ND | 2.06 | 2-Chloronaphthalene |
| SAM4 | 02/28/22 08:27 | 03/02/22 08:54 | µg/m$^3$ | ND | 2.06 | Acenaphthylene |
| SAM4 | 02/28/22 08:27 | 03/02/22 08:54 | µg/m$^3$ | ND | 2.06 | Acenaphthene |
| SAM4 | 02/28/22 08:27 | 03/02/22 08:54 | µg/m$^3$ | ND | 2.06 | Fluorene |
| SAM4 | 02/28/22 08:27 | 03/02/22 08:54 | µg/m$^3$ | ND | 2.06 | PheNDthrene |
| SAM4 | 02/28/22 08:27 | 03/02/22 08:54 | µg/m$^3$ | ND | 2.06 | Anthracene |
| SAM4 | 02/28/22 08:27 | 03/02/22 08:54 | µg/m$^3$ | ND | 2.06 | Fluoranthene |
| SAM4 | 02/28/22 08:27 | 03/02/22 08:54 | µg/m$^3$ | ND | 2.06 | Pyrene |
| SAM4 | 02/28/22 08:27 | 03/02/22 08:54 | µg/m$^3$ | ND | 2.06 | Chrysene |
| SAM4 | 02/28/22 08:27 | 03/02/22 08:54 | µg/m$^3$ | ND | 2.06 | Benzo(a)anthracene |
| SAM4 | 02/28/22 08:27 | 03/02/22 08:54 | µg/m$^3$ | ND | 2.06 | Benzo(b)fluoranthene |
| SAM4 | 02/28/22 08:27 | 03/02/22 08:54 | µg/m$^3$ | ND | 2.06 | Benzo(k)fluoranthene |
| SAM4 | 02/28/22 08:27 | 03/02/22 08:54 | µg/m$^3$ | ND | 2.06 | Benzo(a)pyrene |
| SAM4 | 02/28/22 08:27 | 03/02/22 08:54 | µg/m$^3$ | ND | 2.06 | Indeno(1,2,3-c,d)pyrene |
| SAM4 | 02/28/22 08:27 | 03/02/22 08:54 | µg/m$^3$ | ND | 2.06 | Dibenz(a,h)anthracene |
| SAM4 | 02/28/22 08:27 | 03/02/22 08:54 | µg/m$^3$ | ND | 2.06 | Benzo(g,h,i)perylene |
| SAM5 | 02/28/22 08:21 | 03/02/22 08:47 | µg/m$^3$ | 0.82 | 2.05 | Naphthalene |
| SAM5 | 02/28/22 08:21 | 03/02/22 08:47 | µg/m$^3$ | 0.18 | 2.05 | 2-Methylnaphthalene |
| SAM5 | 02/28/22 08:21 | 03/02/22 08:47 | µg/m$^3$ | ND | 2.05 | 2-Chloronaphthalene |
| SAM5 | 02/28/22 08:21 | 03/02/22 08:47 | µg/m$^3$ | ND | 2.05 | Acenaphthylene |
| SAM5 | 02/28/22 08:21 | 03/02/22 08:47 | µg/m$^3$ | ND | 2.05 | Acenaphthene |
| SAM5 | 02/28/22 08:21 | 03/02/22 08:47 | µg/m$^3$ | ND | 2.05 | Fluorene |
| SAM5 | 02/28/22 08:21 | 03/02/22 08:47 | µg/m$^3$ | ND | 2.05 | PheNDthrene |
| SAM5 | 02/28/22 08:21 | 03/02/22 08:47 | µg/m$^3$ | ND | 2.05 | Anthracene |
| SAM5 | 02/28/22 08:21 | 03/02/22 08:47 | µg/m$^3$ | ND | 2.05 | Fluoranthene |
| SAM5 | 02/28/22 08:21 | 03/02/22 08:47 | µg/m$^3$ | ND | 2.05 | Pyrene |
| SAM5 | 02/28/22 08:21 | 03/02/22 08:47 | µg/m$^3$ | ND | 2.05 | Chrysene |
| SAM5 | 02/28/22 08:21 | 03/02/22 08:47 | µg/m$^3$ | ND | 2.05 | Benzo(a)anthracene |
| SAM5 | 02/28/22 08:21 | 03/02/22 08:47 | µg/m$^3$ | ND | 2.05 | Benzo(b)fluoranthene |
| SAM5 | 02/28/22 08:21 | 03/02/22 08:47 | µg/m$^3$ | ND | 2.05 | Benzo(k)fluoranthene |
| SAM5 | 02/28/22 08:21 | 03/02/22 08:47 | µg/m$^3$ | ND | 2.05 | Benzo(a)pyrene |
| SAM5 | 02/28/22 08:21 | 03/02/22 08:47 | µg/m$^3$ | ND | 2.05 | Indeno(1,2,3-c,d)pyrene |
| SAM5 | 02/28/22 08:21 | 03/02/22 08:47 | µg/m$^3$ | ND | 2.05 | Dibenz(a,h)anthracene |
| SAM5 | 02/28/22 08:21 | 03/02/22 08:47 | µg/m$^3$ | ND | 2.05 | Benzo(g,h,i)perylene |
| SAM1 | 03/02/22 11:23 | 03/04/22 08:40 | µg/m$^3$ | 1.21 | 2.00 | Naphthalene |
| SAM1 | 03/02/22 11:23 | 03/04/22 08:40 | µg/m$^3$ | 0.2 | 2.00 | 2-Methylnaphthalene |
| SAM1 | 03/02/22 11:23 | 03/04/22 08:40 | µg/m$^3$ | ND | 2.00 | 2-Chloronaphthalene |
| SAM1 | 03/02/22 11:23 | 03/04/22 08:40 | µg/m$^3$ | ND | 2.00 | Acenaphthylene |
| SAM1 | 03/02/22 11:23 | 03/04/22 08:40 | µg/m$^3$ | ND | 2.00 | Acenaphthene |
| SAM1 | 03/02/22 11:23 | 03/04/22 08:40 | µg/m$^3$ | ND | 2.00 | Fluorene |
| SAM1 | 03/02/22 11:23 | 03/04/22 08:40 | µg/m$^3$ | ND | 2.00 | PheNDthrene |
| SAM1 | 03/02/22 11:23 | 03/04/22 08:40 | µg/m$^3$ | ND | 2.00 | Anthracene |
| SAM1 | 03/02/22 11:23 | 03/04/22 08:40 | µg/m$^3$ | ND | 2.00 | Fluoranthene |
| SAM1 | 03/02/22 11:23 | 03/04/22 08:40 | µg/m$^3$ | ND | 2.00 | Pyrene |
| SAM1 | 03/02/22 11:23 | 03/04/22 08:40 | µg/m$^3$ | ND | 2.00 | Chrysene |
| SAM1 | 03/02/22 11:23 | 03/04/22 08:40 | µg/m$^3$ | ND | 2.00 | Benzo(a)anthracene |
| SAM1 | 03/02/22 11:23 | 03/04/22 08:40 | µg/m$^3$ | ND | 2.00 | Benzo(b)fluoranthene |
| SAM1 | 03/02/22 11:23 | 03/04/22 08:40 | µg/m$^3$ | ND | 2.00 | Benzo(k)fluoranthene |
| SAM1 | 03/02/22 11:23 | 03/04/22 08:40 | µg/m$^3$ | ND | 2.00 | Benzo(a)pyrene |
| SAM1 | 03/02/22 11:23 | 03/04/22 08:40 | µg/m$^3$ | ND | 2.00 | Indeno(1,2,3-c,d)pyrene |
| SAM1 | 03/02/22 11:23 | 03/04/22 08:40 | µg/m$^3$ | ND | 2.00 | Dibenz(a,h)anthracene |
| SAM1 | 03/02/22 11:23 | 03/04/22 08:40 | µg/m$^3$ | ND | 2.00 | Benzo(g,h,i)perylene |
| SAM2 | 03/02/22 11:16 | 03/04/22 08:30 | µg/m$^3$ | 1.03 | 2.00 | Naphthalene |
| SAM2 | 03/02/22 11:16 | 03/04/22 08:30 | µg/m$^3$ | 0.18 | 2.00 | 2-Methylnaphthalene |
| SAM2 | 03/02/22 11:16 | 03/04/22 08:30 | µg/m$^3$ | ND | 2.00 | 2-Chloronaphthalene |
| SAM2 | 03/02/22 11:16 | 03/04/22 08:30 | µg/m$^3$ | ND | 2.00 | Acenaphthylene |
| SAM2 | 03/02/22 11:16 | 03/04/22 08:30 | µg/m$^3$ | ND | 2.00 | Acenaphthene |
| SAM2 | 03/02/22 11:16 | 03/04/22 08:30 | µg/m$^3$ | ND | 2.00 | Fluorene |
| SAM2 | 03/02/22 11:16 | 03/04/22 08:30 | µg/m$^3$ | ND | 2.00 | PheNDthrene |
| SAM2 | 03/02/22 11:16 | 03/04/22 08:30 | µg/m$^3$ | ND | 2.00 | Anthracene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM2 | 03/02/22 11:16 | 03/04/22 08:30 | µg/m$^3$ | ND | 2.00 | Fluoranthene |
| SAM2 | 03/02/22 11:16 | 03/04/22 08:30 | µg/m$^3$ | ND | 2.00 | Pyrene |
| SAM2 | 03/02/22 11:16 | 03/04/22 08:30 | µg/m$^3$ | ND | 2.00 | Chrysene |
| SAM2 | 03/02/22 11:16 | 03/04/22 08:30 | µg/m$^3$ | ND | 2.00 | Benzo(a)anthracene |
| SAM2 | 03/02/22 11:16 | 03/04/22 08:30 | µg/m$^3$ | ND | 2.00 | Benzo(b)fluoranthene |
| SAM2 | 03/02/22 11:16 | 03/04/22 08:30 | µg/m$^3$ | ND | 2.00 | Benzo(k)fluoranthene |
| SAM2 | 03/02/22 11:16 | 03/04/22 08:30 | µg/m$^3$ | ND | 2.00 | Benzo(a)pyrene |
| SAM2 | 03/02/22 11:16 | 03/04/22 08:30 | µg/m$^3$ | ND | 2.00 | Indeno(1,2,3-c,d)pyrene |
| SAM2 | 03/02/22 11:16 | 03/04/22 08:30 | µg/m$^3$ | ND | 2.00 | Dibenz(a,h)anthracene |
| SAM2 | 03/02/22 11:16 | 03/04/22 08:30 | µg/m$^3$ | ND | 2.00 | Benzo(g,h,i)perylene |
| SAM3 | 03/02/22 11:20 | 03/04/22 08:36 | µg/m$^3$ | 1.14 | 2.01 | Naphthalene |
| SAM3 | 03/02/22 11:20 | 03/04/22 08:36 | µg/m$^3$ | 0.2 | 2.01 | 2-Methylnaphthalene |
| SAM3 | 03/02/22 11:20 | 03/04/22 08:36 | µg/m$^3$ | ND | 2.01 | 2-Chloronaphthalene |
| SAM3 | 03/02/22 11:20 | 03/04/22 08:36 | µg/m$^3$ | ND | 2.01 | Acenaphthylene |
| SAM3 | 03/02/22 11:20 | 03/04/22 08:36 | µg/m$^3$ | ND | 2.01 | Acenaphthene |
| SAM3 | 03/02/22 11:20 | 03/04/22 08:36 | µg/m$^3$ | ND | 2.01 | Fluorene |
| SAM3 | 03/02/22 11:20 | 03/04/22 08:36 | µg/m$^3$ | ND | 2.01 | PheNDthrene |
| SAM3 | 03/02/22 11:20 | 03/04/22 08:36 | µg/m$^3$ | ND | 2.01 | Anthracene |
| SAM3 | 03/02/22 11:20 | 03/04/22 08:36 | µg/m$^3$ | ND | 2.01 | Fluoranthene |
| SAM3 | 03/02/22 11:20 | 03/04/22 08:36 | µg/m$^3$ | ND | 2.01 | Pyrene |
| SAM3 | 03/02/22 11:20 | 03/04/22 08:36 | µg/m$^3$ | ND | 2.01 | Chrysene |
| SAM3 | 03/02/22 11:20 | 03/04/22 08:36 | µg/m$^3$ | ND | 2.01 | Benzo(a)anthracene |
| SAM3 | 03/02/22 11:20 | 03/04/22 08:36 | µg/m$^3$ | ND | 2.01 | Benzo(b)fluoranthene |
| SAM3 | 03/02/22 11:20 | 03/04/22 08:36 | µg/m$^3$ | ND | 2.01 | Benzo(k)fluoranthene |
| SAM3 | 03/02/22 11:20 | 03/04/22 08:36 | µg/m$^3$ | ND | 2.01 | Benzo(a)pyrene |
| SAM3 | 03/02/22 11:20 | 03/04/22 08:36 | µg/m$^3$ | ND | 2.01 | Indeno(1,2,3-c,d)pyrene |
| SAM3 | 03/02/22 11:20 | 03/04/22 08:36 | µg/m$^3$ | ND | 2.01 | Dibenz(a,h)anthracene |
| SAM3 | 03/02/22 11:20 | 03/04/22 08:36 | µg/m$^3$ | ND | 2.01 | Benzo(g,h,i)perylene |
| SAM4 | 03/02/22 11:30 | 03/04/22 08:50 | µg/m$^3$ | 0.71 | 2.02 | Naphthalene |
| SAM4 | 03/02/22 11:30 | 03/04/22 08:50 | µg/m$^3$ | ND | 2.02 | 2-Methylnaphthalene |
| SAM4 | 03/02/22 11:30 | 03/04/22 08:50 | µg/m$^3$ | ND | 2.02 | 2-Chloronaphthalene |
| SAM4 | 03/02/22 11:30 | 03/04/22 08:50 | µg/m$^3$ | ND | 2.02 | Acenaphthylene |
| SAM4 | 03/02/22 11:30 | 03/04/22 08:50 | µg/m$^3$ | ND | 2.02 | Acenaphthene |
| SAM4 | 03/02/22 11:30 | 03/04/22 08:50 | µg/m$^3$ | ND | 2.02 | Fluorene |
| SAM4 | 03/02/22 11:30 | 03/04/22 08:50 | µg/m$^3$ | ND | 2.02 | PheNDthrene |
| SAM4 | 03/02/22 11:30 | 03/04/22 08:50 | µg/m$^3$ | ND | 2.02 | Anthracene |
| SAM4 | 03/02/22 11:30 | 03/04/22 08:50 | µg/m$^3$ | ND | 2.02 | Fluoranthene |
| SAM4 | 03/02/22 11:30 | 03/04/22 08:50 | µg/m$^3$ | ND | 2.02 | Pyrene |
| SAM4 | 03/02/22 11:30 | 03/04/22 08:50 | µg/m$^3$ | ND | 2.02 | Chrysene |
| SAM4 | 03/02/22 11:30 | 03/04/22 08:50 | µg/m$^3$ | ND | 2.02 | Benzo(a)anthracene |
| SAM4 | 03/02/22 11:30 | 03/04/22 08:50 | µg/m$^3$ | ND | 2.02 | Benzo(b)fluoranthene |
| SAM4 | 03/02/22 11:30 | 03/04/22 08:50 | µg/m$^3$ | ND | 2.02 | Benzo(k)fluoranthene |
| SAM4 | 03/02/22 11:30 | 03/04/22 08:50 | µg/m$^3$ | ND | 2.02 | Benzo(a)pyrene |
| SAM4 | 03/02/22 11:30 | 03/04/22 08:50 | µg/m$^3$ | ND | 2.02 | Indeno(1,2,3-c,d)pyrene |
| SAM4 | 03/02/22 11:30 | 03/04/22 08:50 | µg/m$^3$ | ND | 2.02 | Dibenz(a,h)anthracene |
| SAM4 | 03/02/22 11:30 | 03/04/22 08:50 | µg/m$^3$ | ND | 2.02 | Benzo(g,h,i)perylene |
| SAM5 | 03/02/22 11:26 | 03/04/22 08:45 | µg/m$^3$ | 2.18 | 2.02 | Naphthalene |
| SAM5 | 03/02/22 11:26 | 03/04/22 08:45 | µg/m$^3$ | 0.38 | 2.02 | 2-Methylnaphthalene |
| SAM5 | 03/02/22 11:26 | 03/04/22 08:45 | µg/m$^3$ | ND | 2.02 | 2-Chloronaphthalene |
| SAM5 | 03/02/22 11:26 | 03/04/22 08:45 | µg/m$^3$ | ND | 2.02 | Acenaphthylene |
| SAM5 | 03/02/22 11:26 | 03/04/22 08:45 | µg/m$^3$ | ND | 2.02 | Acenaphthene |
| SAM5 | 03/02/22 11:26 | 03/04/22 08:45 | µg/m$^3$ | ND | 2.02 | Fluorene |
| SAM5 | 03/02/22 11:26 | 03/04/22 08:45 | µg/m$^3$ | ND | 2.02 | PheNDthrene |
| SAM5 | 03/02/22 11:26 | 03/04/22 08:45 | µg/m$^3$ | ND | 2.02 | Anthracene |
| SAM5 | 03/02/22 11:26 | 03/04/22 08:45 | µg/m$^3$ | ND | 2.02 | Fluoranthene |
| SAM5 | 03/02/22 11:26 | 03/04/22 08:45 | µg/m$^3$ | ND | 2.02 | Pyrene |
| SAM5 | 03/02/22 11:26 | 03/04/22 08:45 | µg/m$^3$ | ND | 2.02 | Chrysene |
| SAM5 | 03/02/22 11:26 | 03/04/22 08:45 | µg/m$^3$ | ND | 2.02 | Benzo(a)anthracene |
| SAM5 | 03/02/22 11:26 | 03/04/22 08:45 | µg/m$^3$ | ND | 2.02 | Benzo(b)fluoranthene |
| SAM5 | 03/02/22 11:26 | 03/04/22 08:45 | µg/m$^3$ | ND | 2.02 | Benzo(k)fluoranthene |
| SAM5 | 03/02/22 11:26 | 03/04/22 08:45 | µg/m$^3$ | ND | 2.02 | Benzo(a)pyrene |
| SAM5 | 03/02/22 11:26 | 03/04/22 08:45 | µg/m$^3$ | ND | 2.02 | Indeno(1,2,3-c,d)pyrene |
| SAM5 | 03/02/22 11:26 | 03/04/22 08:45 | µg/m$^3$ | ND | 2.02 | Dibenz(a,h)anthracene |
| SAM5 | 03/02/22 11:26 | 03/04/22 08:45 | µg/m$^3$ | ND | 2.02 | Benzo(g,h,i)perylene |
| SAM1 | 03/07/22 11:40 | 03/09/22 09:27 | µg/m$^3$ | 0.46* | 2.00* | Naphthalene |
| SAM1 | 03/07/22 11:40 | 03/09/22 09:27 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM1 | 03/07/22 11:40 | 03/09/22 09:27 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM1 | 03/07/22 11:40 | 03/09/22 09:27 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM1 | 03/07/22 11:40 | 03/09/22 09:27 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM1 | 03/07/22 11:40 | 03/09/22 09:27 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM1 | 03/07/22 11:40 | 03/09/22 09:27 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM1 | 03/07/22 11:40 | 03/09/22 09:27 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM1 | 03/07/22 11:40 | 03/09/22 09:27 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM1 | 03/07/22 11:40 | 03/09/22 09:27 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM1 | 03/07/22 11:40 | 03/09/22 09:27 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM1 | 03/07/22 11:40 | 03/09/22 09:27 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM1 | 03/07/22 11:40 | 03/09/22 09:27 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM1 | 03/07/22 11:40 | 03/09/22 09:27 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM1 | 03/07/22 11:40 | 03/09/22 09:27 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM1 | 03/07/22 11:40 | 03/09/22 09:27 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM1 | 03/07/22 11:40 | 03/09/22 09:27 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM1 | 03/07/22 11:40 | 03/09/22 09:27 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM2 | 03/07/22 12:13 | 03/09/22 09:14 | µg/m$^3$ | 0.65* | 2.00* | Naphthalene |
| SAM2 | 03/07/22 12:13 | 03/09/22 09:14 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM2 | 03/07/22 12:13 | 03/09/22 09:14 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM2 | 03/07/22 12:13 | 03/09/22 09:14 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM2 | 03/07/22 12:13 | 03/09/22 09:14 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM2 | 03/07/22 12:13 | 03/09/22 09:14 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM2 | 03/07/22 12:13 | 03/09/22 09:14 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM2 | 03/07/22 12:13 | 03/09/22 09:14 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM2 | 03/07/22 12:13 | 03/09/22 09:14 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM2 | 03/07/22 12:13 | 03/09/22 09:14 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM2 | 03/07/22 12:13 | 03/09/22 09:14 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM2 | 03/07/22 12:13 | 03/09/22 09:14 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM2 | 03/07/22 12:13 | 03/09/22 09:14 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM2 | 03/07/22 12:13 | 03/09/22 09:14 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM2 | 03/07/22 12:13 | 03/09/22 09:14 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM2 | 03/07/22 12:13 | 03/09/22 09:14 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM2 | 03/07/22 12:13 | 03/09/22 09:14 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM2 | 03/07/22 12:13 | 03/09/22 09:14 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM3 | 03/07/22 11:48 | 03/09/22 09:37 | µg/m$^3$ | 0.45* | 2.00* | Naphthalene |
| SAM3 | 03/07/22 11:48 | 03/09/22 09:37 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM3 | 03/07/22 11:48 | 03/09/22 09:37 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM3 | 03/07/22 11:48 | 03/09/22 09:37 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM3 | 03/07/22 11:48 | 03/09/22 09:37 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM3 | 03/07/22 11:48 | 03/09/22 09:37 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM3 | 03/07/22 11:48 | 03/09/22 09:37 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM3 | 03/07/22 11:48 | 03/09/22 09:37 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM3 | 03/07/22 11:48 | 03/09/22 09:37 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM3 | 03/07/22 11:48 | 03/09/22 09:37 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM3 | 03/07/22 11:48 | 03/09/22 09:37 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM3 | 03/07/22 11:48 | 03/09/22 09:37 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM3 | 03/07/22 11:48 | 03/09/22 09:37 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM3 | 03/07/22 11:48 | 03/09/22 09:37 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM3 | 03/07/22 11:48 | 03/09/22 09:37 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM3 | 03/07/22 11:48 | 03/09/22 09:37 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM3 | 03/07/22 11:48 | 03/09/22 09:37 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM3 | 03/07/22 11:48 | 03/09/22 09:37 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM4 | 03/07/22 12:05 | 03/09/22 09:53 | µg/m$^3$ | 0.2* | 2.00* | Naphthalene |
| SAM4 | 03/07/22 12:05 | 03/09/22 09:53 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM4 | 03/07/22 12:05 | 03/09/22 09:53 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM4 | 03/07/22 12:05 | 03/09/22 09:53 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM4 | 03/07/22 12:05 | 03/09/22 09:53 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM4 | 03/07/22 12:05 | 03/09/22 09:53 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM4 | 03/07/22 12:05 | 03/09/22 09:53 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM4 | 03/07/22 12:05 | 03/09/22 09:53 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM4 | 03/07/22 12:05 | 03/09/22 09:53 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM4 | 03/07/22 12:05 | 03/09/22 09:53 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM4 | 03/07/22 12:05 | 03/09/22 09:53 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM4 | 03/07/22 12:05 | 03/09/22 09:53 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM4 | 03/07/22 12:05 | 03/09/22 09:53 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM4 | 03/07/22 12:05 | 03/09/22 09:53 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM4 | 03/07/22 12:05 | 03/09/22 09:53 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM4 | 03/07/22 12:05 | 03/09/22 09:53 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM4 | 03/07/22 12:05 | 03/09/22 09:53 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM4 | 03/07/22 12:05 | 03/09/22 09:53 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM5 | 03/07/22 11:56 | 03/09/22 09:48 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM5 | 03/07/22 11:56 | 03/09/22 09:48 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM5 | 03/07/22 11:56 | 03/09/22 09:48 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM5 | 03/07/22 11:56 | 03/09/22 09:48 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM5 | 03/07/22 11:56 | 03/09/22 09:48 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM5 | 03/07/22 11:56 | 03/09/22 09:48 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM5 | 03/07/22 11:56 | 03/09/22 09:48 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM5 | 03/07/22 11:56 | 03/09/22 09:48 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM5 | 03/07/22 11:56 | 03/09/22 09:48 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM5 | 03/07/22 11:56 | 03/09/22 09:48 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM5 | 03/07/22 11:56 | 03/09/22 09:48 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM5 | 03/07/22 11:56 | 03/09/22 09:48 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM5 | 03/07/22 11:56 | 03/09/22 09:48 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM5 | 03/07/22 11:56 | 03/09/22 09:48 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM5 | 03/07/22 11:56 | 03/09/22 09:48 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM5 | 03/07/22 11:56 | 03/09/22 09:48 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM5 | 03/07/22 11:56 | 03/09/22 09:48 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM5 | 03/07/22 11:56 | 03/09/22 09:48 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM1 | 03/09/22 09:35 | 03/11/22 10:45 | µg/m$^3$ | 0.86* | 2.00* | Naphthalene |
| SAM1 | 03/09/22 09:35 | 03/11/22 10:45 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM1 | 03/09/22 09:35 | 03/11/22 10:45 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM1 | 03/09/22 09:35 | 03/11/22 10:45 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM1 | 03/09/22 09:35 | 03/11/22 10:45 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM1 | 03/09/22 09:35 | 03/11/22 10:45 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM1 | 03/09/22 09:35 | 03/11/22 10:45 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM1 | 03/09/22 09:35 | 03/11/22 10:45 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM1 | 03/09/22 09:35 | 03/11/22 10:45 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM1 | 03/09/22 09:35 | 03/11/22 10:45 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM1 | 03/09/22 09:35 | 03/11/22 10:45 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM1 | 03/09/22 09:35 | 03/11/22 10:45 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM1 | 03/09/22 09:35 | 03/11/22 10:45 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM1 | 03/09/22 09:35 | 03/11/22 10:45 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM1 | 03/09/22 09:35 | 03/11/22 10:45 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM1 | 03/09/22 09:35 | 03/11/22 10:45 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM1 | 03/09/22 09:35 | 03/11/22 10:45 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM1 | 03/09/22 09:35 | 03/11/22 10:45 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM2 | 03/09/22 09:16 | 03/11/22 11:14 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM2 | 03/09/22 09:16 | 03/11/22 11:14 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM2 | 03/09/22 09:16 | 03/11/22 11:14 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM2 | 03/09/22 09:16 | 03/11/22 11:14 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM2 | 03/09/22 09:16 | 03/11/22 11:14 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM2 | 03/09/22 09:16 | 03/11/22 11:14 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM2 | 03/09/22 09:16 | 03/11/22 11:14 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM2 | 03/09/22 09:16 | 03/11/22 11:14 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM2 | 03/09/22 09:16 | 03/11/22 11:14 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM2 | 03/09/22 09:16 | 03/11/22 11:14 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM2 | 03/09/22 09:16 | 03/11/22 11:14 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM2 | 03/09/22 09:16 | 03/11/22 11:14 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM2 | 03/09/22 09:16 | 03/11/22 11:14 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM2 | 03/09/22 09:16 | 03/11/22 11:14 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM2 | 03/09/22 09:16 | 03/11/22 11:14 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM2 | 03/09/22 09:16 | 03/11/22 11:14 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM2 | 03/09/22 09:16 | 03/11/22 11:14 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM2 | 03/09/22 09:16 | 03/11/22 11:14 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM3 | 03/09/22 09:41 | 03/11/22 10:41 | µg/m$^3$ | 0.71* | 2.00* | Naphthalene |
| SAM3 | 03/09/22 09:41 | 03/11/22 10:41 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM3 | 03/09/22 09:41 | 03/11/22 10:41 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM3 | 03/09/22 09:41 | 03/11/22 10:41 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM3 | 03/09/22 09:41 | 03/11/22 10:41 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM3 | 03/09/22 09:41 | 03/11/22 10:41 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM3 | 03/09/22 09:41 | 03/11/22 10:41 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM3 | 03/09/22 09:41 | 03/11/22 10:41 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM3 | 03/09/22 09:41 | 03/11/22 10:41 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM3 | 03/09/22 09:41 | 03/11/22 10:41 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM3 | 03/09/22 09:41 | 03/11/22 10:41 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM3 | 03/09/22 09:41 | 03/11/22 10:41 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM3 | 03/09/22 09:41 | 03/11/22 10:41 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM3 | 03/09/22 09:41 | 03/11/22 10:41 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM3 | 03/09/22 09:41 | 03/11/22 10:41 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM3 | 03/09/22 09:41 | 03/11/22 10:41 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM3 | 03/09/22 09:41 | 03/11/22 10:41 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM3 | 03/09/22 09:41 | 03/11/22 10:41 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM4 | 03/09/22 09:55 | 03/11/22 11:01 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM4 | 03/09/22 09:55 | 03/11/22 11:01 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM4 | 03/09/22 09:55 | 03/11/22 11:01 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM4 | 03/09/22 09:55 | 03/11/22 11:01 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM4 | 03/09/22 09:55 | 03/11/22 11:01 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM4 | 03/09/22 09:55 | 03/11/22 11:01 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM4 | 03/09/22 09:55 | 03/11/22 11:01 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM4 | 03/09/22 09:55 | 03/11/22 11:01 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM4 | 03/09/22 09:55 | 03/11/22 11:01 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM4 | 03/09/22 09:55 | 03/11/22 11:01 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM4 | 03/09/22 09:55 | 03/11/22 11:01 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM4 | 03/09/22 09:55 | 03/11/22 11:01 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM4 | 03/09/22 09:55 | 03/11/22 11:01 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM4 | 03/09/22 09:55 | 03/11/22 11:01 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM4 | 03/09/22 09:55 | 03/11/22 11:01 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM4 | 03/09/22 09:55 | 03/11/22 11:01 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM4 | 03/09/22 09:55 | 03/11/22 11:01 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM4 | 03/09/22 09:55 | 03/11/22 11:01 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM5 | 03/09/22 09:50 | 03/11/22 10:52 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM5 | 03/09/22 09:50 | 03/11/22 10:52 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM5 | 03/09/22 09:50 | 03/11/22 10:52 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM5 | 03/09/22 09:50 | 03/11/22 10:52 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM5 | 03/09/22 09:50 | 03/11/22 10:52 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM5 | 03/09/22 09:50 | 03/11/22 10:52 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM5 | 03/09/22 09:50 | 03/11/22 10:52 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM5 | 03/09/22 09:50 | 03/11/22 10:52 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM5 | 03/09/22 09:50 | 03/11/22 10:52 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM5 | 03/09/22 09:50 | 03/11/22 10:52 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM5 | 03/09/22 09:50 | 03/11/22 10:52 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM5 | 03/09/22 09:50 | 03/11/22 10:52 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM5 | 03/09/22 09:50 | 03/11/22 10:52 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM5 | 03/09/22 09:50 | 03/11/22 10:52 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM5 | 03/09/22 09:50 | 03/11/22 10:52 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM5 | 03/09/22 09:50 | 03/11/22 10:52 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM5 | 03/09/22 09:50 | 03/11/22 10:52 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM5 | 03/09/22 09:50 | 03/11/22 10:52 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM1 | 03/14/22 10:45 | 03/16/22 10:15 | µg/m$^3$ | 0.44* | 2.00* | Naphthalene |
| SAM1 | 03/14/22 10:45 | 03/16/22 10:15 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM1 | 03/14/22 10:45 | 03/16/22 10:15 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM1 | 03/14/22 10:45 | 03/16/22 10:15 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM1 | 03/14/22 10:45 | 03/16/22 10:15 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM1 | 03/14/22 10:45 | 03/16/22 10:15 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM1 | 03/14/22 10:45 | 03/16/22 10:15 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM1 | 03/14/22 10:45 | 03/16/22 10:15 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM1 | 03/14/22 10:45 | 03/16/22 10:15 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM1 | 03/14/22 10:45 | 03/16/22 10:15 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM1 | 03/14/22 10:45 | 03/16/22 10:15 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM1 | 03/14/22 10:45 | 03/16/22 10:15 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM1 | 03/14/22 10:45 | 03/16/22 10:15 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM1 | 03/14/22 10:45 | 03/16/22 10:15 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM1 | 03/14/22 10:45 | 03/16/22 10:15 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM1 | 03/14/22 10:45 | 03/16/22 10:15 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM1 | 03/14/22 10:45 | 03/16/22 10:15 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM1 | 03/14/22 10:45 | 03/16/22 10:15 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM2 | 03/14/22 11:18 | 03/16/22 10:33 | µg/m$^3$ | 0.78* | 2.00* | Naphthalene |
| SAM2 | 03/14/22 11:18 | 03/16/22 10:33 | µg/m$^3$ | 0.23* | 2.00* | 2-Methylnaphthalene |
| SAM2 | 03/14/22 11:18 | 03/16/22 10:33 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM2 | 03/14/22 11:18 | 03/16/22 10:33 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM2 | 03/14/22 11:18 | 03/16/22 10:33 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM2 | 03/14/22 11:18 | 03/16/22 10:33 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM2 | 03/14/22 11:18 | 03/16/22 10:33 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM2 | 03/14/22 11:18 | 03/16/22 10:33 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM2 | 03/14/22 11:18 | 03/16/22 10:33 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM2 | 03/14/22 11:18 | 03/16/22 10:33 | µg/m$^3$ | ND | 2.00* | Pyrene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM2 | 03/14/22 11:18 | 03/16/22 10:33 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM2 | 03/14/22 11:18 | 03/16/22 10:33 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM2 | 03/14/22 11:18 | 03/16/22 10:33 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM2 | 03/14/22 11:18 | 03/16/22 10:33 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM2 | 03/14/22 11:18 | 03/16/22 10:33 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM2 | 03/14/22 11:18 | 03/16/22 10:33 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM2 | 03/14/22 11:18 | 03/16/22 10:33 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM2 | 03/14/22 11:18 | 03/16/22 10:33 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM3 | 03/14/22 10:39 | 03/16/22 10:06 | µg/m$^3$ | 0.37* | 2.00* | Naphthalene |
| SAM3 | 03/14/22 10:39 | 03/16/22 10:06 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM3 | 03/14/22 10:39 | 03/16/22 10:06 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM3 | 03/14/22 10:39 | 03/16/22 10:06 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM3 | 03/14/22 10:39 | 03/16/22 10:06 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM3 | 03/14/22 10:39 | 03/16/22 10:06 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM3 | 03/14/22 10:39 | 03/16/22 10:06 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM3 | 03/14/22 10:39 | 03/16/22 10:06 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM3 | 03/14/22 10:39 | 03/16/22 10:06 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM3 | 03/14/22 10:39 | 03/16/22 10:06 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM3 | 03/14/22 10:39 | 03/16/22 10:06 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM3 | 03/14/22 10:39 | 03/16/22 10:06 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM3 | 03/14/22 10:39 | 03/16/22 10:06 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM3 | 03/14/22 10:39 | 03/16/22 10:06 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM3 | 03/14/22 10:39 | 03/16/22 10:06 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM3 | 03/14/22 10:39 | 03/16/22 10:06 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM3 | 03/14/22 10:39 | 03/16/22 10:06 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM3 | 03/14/22 10:39 | 03/16/22 10:06 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM4 | 03/14/22 11:06 | 03/16/22 11:00 | µg/m$^3$ | 1.1* | 2.00* | Naphthalene |
| SAM4 | 03/14/22 11:06 | 03/16/22 11:00 | µg/m$^3$ | 0.21* | 2.00* | 2-Methylnaphthalene |
| SAM4 | 03/14/22 11:06 | 03/16/22 11:00 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM4 | 03/14/22 11:06 | 03/16/22 11:00 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM4 | 03/14/22 11:06 | 03/16/22 11:00 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM4 | 03/14/22 11:06 | 03/16/22 11:00 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM4 | 03/14/22 11:06 | 03/16/22 11:00 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM4 | 03/14/22 11:06 | 03/16/22 11:00 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM4 | 03/14/22 11:06 | 03/16/22 11:00 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM4 | 03/14/22 11:06 | 03/16/22 11:00 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM4 | 03/14/22 11:06 | 03/16/22 11:00 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM4 | 03/14/22 11:06 | 03/16/22 11:00 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM4 | 03/14/22 11:06 | 03/16/22 11:00 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM4 | 03/14/22 11:06 | 03/16/22 11:00 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM4 | 03/14/22 11:06 | 03/16/22 11:00 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM4 | 03/14/22 11:06 | 03/16/22 11:00 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM4 | 03/14/22 11:06 | 03/16/22 11:00 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM4 | 03/14/22 11:06 | 03/16/22 11:00 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM5 | 03/14/22 10:56 | 03/16/22 10:49 | µg/m$^3$ | 0.4* | 2.00* | Naphthalene |
| SAM5 | 03/14/22 10:56 | 03/16/22 10:49 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM5 | 03/14/22 10:56 | 03/16/22 10:49 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM5 | 03/14/22 10:56 | 03/16/22 10:49 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM5 | 03/14/22 10:56 | 03/16/22 10:49 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM5 | 03/14/22 10:56 | 03/16/22 10:49 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM5 | 03/14/22 10:56 | 03/16/22 10:49 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM5 | 03/14/22 10:56 | 03/16/22 10:49 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM5 | 03/14/22 10:56 | 03/16/22 10:49 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM5 | 03/14/22 10:56 | 03/16/22 10:49 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM5 | 03/14/22 10:56 | 03/16/22 10:49 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM5 | 03/14/22 10:56 | 03/16/22 10:49 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM5 | 03/14/22 10:56 | 03/16/22 10:49 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM5 | 03/14/22 10:56 | 03/16/22 10:49 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM5 | 03/14/22 10:56 | 03/16/22 10:49 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM5 | 03/14/22 10:56 | 03/16/22 10:49 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM5 | 03/14/22 10:56 | 03/16/22 10:49 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM5 | 03/14/22 10:56 | 03/16/22 10:49 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM1 | 03/16/22 10:18 | 03/18/22 10:21 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM1 | 03/16/22 10:18 | 03/18/22 10:21 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM1 | 03/16/22 10:18 | 03/18/22 10:21 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM1 | 03/16/22 10:18 | 03/18/22 10:21 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM1 | 03/16/22 10:18 | 03/18/22 10:21 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM1 | 03/16/22 10:18 | 03/18/22 10:21 | µg/m$^3$ | ND | 2.00* | Fluorene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM1 | 03/16/22 10:18 | 03/18/22 10:21 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM1 | 03/16/22 10:18 | 03/18/22 10:21 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM1 | 03/16/22 10:18 | 03/18/22 10:21 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM1 | 03/16/22 10:18 | 03/18/22 10:21 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM1 | 03/16/22 10:18 | 03/18/22 10:21 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM1 | 03/16/22 10:18 | 03/18/22 10:21 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM1 | 03/16/22 10:18 | 03/18/22 10:21 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM1 | 03/16/22 10:18 | 03/18/22 10:21 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM1 | 03/16/22 10:18 | 03/18/22 10:21 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM1 | 03/16/22 10:18 | 03/18/22 10:21 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM1 | 03/16/22 10:18 | 03/18/22 10:21 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM1 | 03/16/22 10:18 | 03/18/22 10:21 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM2 | 03/16/22 10:39 | 03/18/22 10:45 | µg/m$^3$ | 0.68* | 2.00* | Naphthalene |
| SAM2 | 03/16/22 10:39 | 03/18/22 10:45 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM2 | 03/16/22 10:39 | 03/18/22 10:45 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM2 | 03/16/22 10:39 | 03/18/22 10:45 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM2 | 03/16/22 10:39 | 03/18/22 10:45 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM2 | 03/16/22 10:39 | 03/18/22 10:45 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM2 | 03/16/22 10:39 | 03/18/22 10:45 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM2 | 03/16/22 10:39 | 03/18/22 10:45 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM2 | 03/16/22 10:39 | 03/18/22 10:45 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM2 | 03/16/22 10:39 | 03/18/22 10:45 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM2 | 03/16/22 10:39 | 03/18/22 10:45 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM2 | 03/16/22 10:39 | 03/18/22 10:45 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM2 | 03/16/22 10:39 | 03/18/22 10:45 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM2 | 03/16/22 10:39 | 03/18/22 10:45 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM2 | 03/16/22 10:39 | 03/18/22 10:45 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM2 | 03/16/22 10:39 | 03/18/22 10:45 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM2 | 03/16/22 10:39 | 03/18/22 10:45 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM2 | 03/16/22 10:39 | 03/18/22 10:45 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM3 | 03/16/22 10:08 | 03/18/22 10:16 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM3 | 03/16/22 10:08 | 03/18/22 10:16 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM3 | 03/16/22 10:08 | 03/18/22 10:16 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM3 | 03/16/22 10:08 | 03/18/22 10:16 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM3 | 03/16/22 10:08 | 03/18/22 10:16 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM3 | 03/16/22 10:08 | 03/18/22 10:16 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM3 | 03/16/22 10:08 | 03/18/22 10:16 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM3 | 03/16/22 10:08 | 03/18/22 10:16 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM3 | 03/16/22 10:08 | 03/18/22 10:16 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM3 | 03/16/22 10:08 | 03/18/22 10:16 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM3 | 03/16/22 10:08 | 03/18/22 10:16 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM3 | 03/16/22 10:08 | 03/18/22 10:16 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM3 | 03/16/22 10:08 | 03/18/22 10:16 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM3 | 03/16/22 10:08 | 03/18/22 10:16 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM3 | 03/16/22 10:08 | 03/18/22 10:16 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM3 | 03/16/22 10:08 | 03/18/22 10:16 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM3 | 03/16/22 10:08 | 03/18/22 10:16 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM3 | 03/16/22 10:08 | 03/18/22 10:16 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM4 | 03/16/22 11:05 | 03/18/22 10:34 | µg/m$^3$ | 0.32* | 2.00* | Naphthalene |
| SAM4 | 03/16/22 11:05 | 03/18/22 10:34 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM4 | 03/16/22 11:05 | 03/18/22 10:34 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM4 | 03/16/22 11:05 | 03/18/22 10:34 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM4 | 03/16/22 11:05 | 03/18/22 10:34 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM4 | 03/16/22 11:05 | 03/18/22 10:34 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM4 | 03/16/22 11:05 | 03/18/22 10:34 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM4 | 03/16/22 11:05 | 03/18/22 10:34 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM4 | 03/16/22 11:05 | 03/18/22 10:34 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM4 | 03/16/22 11:05 | 03/18/22 10:34 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM4 | 03/16/22 11:05 | 03/18/22 10:34 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM4 | 03/16/22 11:05 | 03/18/22 10:34 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM4 | 03/16/22 11:05 | 03/18/22 10:34 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM4 | 03/16/22 11:05 | 03/18/22 10:34 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM4 | 03/16/22 11:05 | 03/18/22 10:34 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM4 | 03/16/22 11:05 | 03/18/22 10:34 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM4 | 03/16/22 11:05 | 03/18/22 10:34 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM4 | 03/16/22 11:05 | 03/18/22 10:34 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM5 | 03/16/22 10:53 | 03/18/22 10:28 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM5 | 03/16/22 10:53 | 03/18/22 10:28 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM5 | 03/16/22 10:53 | 03/18/22 10:28 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM5 | 03/16/22 10:53 | 03/18/22 10:28 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM5 | 03/16/22 10:53 | 03/18/22 10:28 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM5 | 03/16/22 10:53 | 03/18/22 10:28 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM5 | 03/16/22 10:53 | 03/18/22 10:28 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM5 | 03/16/22 10:53 | 03/18/22 10:28 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM5 | 03/16/22 10:53 | 03/18/22 10:28 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM5 | 03/16/22 10:53 | 03/18/22 10:28 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM5 | 03/16/22 10:53 | 03/18/22 10:28 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM5 | 03/16/22 10:53 | 03/18/22 10:28 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM5 | 03/16/22 10:53 | 03/18/22 10:28 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM5 | 03/16/22 10:53 | 03/18/22 10:28 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM5 | 03/16/22 10:53 | 03/18/22 10:28 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM5 | 03/16/22 10:53 | 03/18/22 10:28 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM5 | 03/16/22 10:53 | 03/18/22 10:28 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM5 | 03/16/22 10:53 | 03/18/22 10:28 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM1 | 03/21/22 08:01 | 03/23/22 08:45 | µg/m$^3$ | ND | 1.99 | Naphthalene |
| SAM1 | 03/21/22 08:01 | 03/23/22 08:45 | µg/m$^3$ | ND | 1.99 | 2-Methylnaphthalene |
| SAM1 | 03/21/22 08:01 | 03/23/22 08:45 | µg/m$^3$ | ND | 1.99 | 2-Chloronaphthalene |
| SAM1 | 03/21/22 08:01 | 03/23/22 08:45 | µg/m$^3$ | ND | 1.99 | Acenaphthylene |
| SAM1 | 03/21/22 08:01 | 03/23/22 08:45 | µg/m$^3$ | ND | 1.99 | Acenaphthene |
| SAM1 | 03/21/22 08:01 | 03/23/22 08:45 | µg/m$^3$ | ND | 1.99 | Fluorene |
| SAM1 | 03/21/22 08:01 | 03/23/22 08:45 | µg/m$^3$ | ND | 1.99 | PheNDthrene |
| SAM1 | 03/21/22 08:01 | 03/23/22 08:45 | µg/m$^3$ | ND | 1.99 | Anthracene |
| SAM1 | 03/21/22 08:01 | 03/23/22 08:45 | µg/m$^3$ | ND | 1.99 | Fluoranthene |
| SAM1 | 03/21/22 08:01 | 03/23/22 08:45 | µg/m$^3$ | ND | 1.99 | Pyrene |
| SAM1 | 03/21/22 08:01 | 03/23/22 08:45 | µg/m$^3$ | ND | 1.99 | Chrysene |
| SAM1 | 03/21/22 08:01 | 03/23/22 08:45 | µg/m$^3$ | ND | 1.99 | Benzo(a)anthracene |
| SAM1 | 03/21/22 08:01 | 03/23/22 08:45 | µg/m$^3$ | ND | 1.99 | Benzo(b)fluoranthene |
| SAM1 | 03/21/22 08:01 | 03/23/22 08:45 | µg/m$^3$ | ND | 1.99 | Benzo(k)fluoranthene |
| SAM1 | 03/21/22 08:01 | 03/23/22 08:45 | µg/m$^3$ | ND | 1.99 | Benzo(a)pyrene |
| SAM1 | 03/21/22 08:01 | 03/23/22 08:45 | µg/m$^3$ | ND | 1.99 | Indeno(1,2,3-c,d)pyrene |
| SAM1 | 03/21/22 08:01 | 03/23/22 08:45 | µg/m$^3$ | ND | 1.99 | Dibenz(a,h)anthracene |
| SAM1 | 03/21/22 08:01 | 03/23/22 08:45 | µg/m$^3$ | ND | 1.99 | Benzo(g,h,i)perylene |
| SAM2 | 03/21/22 07:51 | 03/23/22 08:30 | µg/m$^3$ | ND | 1.94 | Naphthalene |
| SAM2 | 03/21/22 07:51 | 03/23/22 08:30 | µg/m$^3$ | ND | 1.94 | 2-Methylnaphthalene |
| SAM2 | 03/21/22 07:51 | 03/23/22 08:30 | µg/m$^3$ | ND | 1.94 | 2-Chloronaphthalene |
| SAM2 | 03/21/22 07:51 | 03/23/22 08:30 | µg/m$^3$ | ND | 1.94 | Acenaphthylene |
| SAM2 | 03/21/22 07:51 | 03/23/22 08:30 | µg/m$^3$ | ND | 1.94 | Acenaphthene |
| SAM2 | 03/21/22 07:51 | 03/23/22 08:30 | µg/m$^3$ | ND | 1.94 | Fluorene |
| SAM2 | 03/21/22 07:51 | 03/23/22 08:30 | µg/m$^3$ | ND | 1.94 | PheNDthrene |
| SAM2 | 03/21/22 07:51 | 03/23/22 08:30 | µg/m$^3$ | ND | 1.94 | Anthracene |
| SAM2 | 03/21/22 07:51 | 03/23/22 08:30 | µg/m$^3$ | ND | 1.94 | Fluoranthene |
| SAM2 | 03/21/22 07:51 | 03/23/22 08:30 | µg/m$^3$ | ND | 1.94 | Pyrene |
| SAM2 | 03/21/22 07:51 | 03/23/22 08:30 | µg/m$^3$ | ND | 1.94 | Chrysene |
| SAM2 | 03/21/22 07:51 | 03/23/22 08:30 | µg/m$^3$ | ND | 1.94 | Benzo(a)anthracene |
| SAM2 | 03/21/22 07:51 | 03/23/22 08:30 | µg/m$^3$ | ND | 1.94 | Benzo(b)fluoranthene |
| SAM2 | 03/21/22 07:51 | 03/23/22 08:30 | µg/m$^3$ | ND | 1.94 | Benzo(k)fluoranthene |
| SAM2 | 03/21/22 07:51 | 03/23/22 08:30 | µg/m$^3$ | ND | 1.94 | Benzo(a)pyrene |
| SAM2 | 03/21/22 07:51 | 03/23/22 08:30 | µg/m$^3$ | ND | 1.94 | Indeno(1,2,3-c,d)pyrene |
| SAM2 | 03/21/22 07:51 | 03/23/22 08:30 | µg/m$^3$ | ND | 1.94 | Dibenz(a,h)anthracene |
| SAM2 | 03/21/22 07:51 | 03/23/22 08:30 | µg/m$^3$ | ND | 1.94 | Benzo(g,h,i)perylene |
| SAM3 | 03/21/22 07:56 | 03/23/22 08:38 | µg/m$^3$ | ND | 1.98 | Naphthalene |
| SAM3 | 03/21/22 07:56 | 03/23/22 08:38 | µg/m$^3$ | ND | 1.98 | 2-Methylnaphthalene |
| SAM3 | 03/21/22 07:56 | 03/23/22 08:38 | µg/m$^3$ | ND | 1.98 | 2-Chloronaphthalene |
| SAM3 | 03/21/22 07:56 | 03/23/22 08:38 | µg/m$^3$ | ND | 1.98 | Acenaphthylene |
| SAM3 | 03/21/22 07:56 | 03/23/22 08:38 | µg/m$^3$ | ND | 1.98 | Acenaphthene |
| SAM3 | 03/21/22 07:56 | 03/23/22 08:38 | µg/m$^3$ | ND | 1.98 | Fluorene |
| SAM3 | 03/21/22 07:56 | 03/23/22 08:38 | µg/m$^3$ | ND | 1.98 | PheNDthrene |
| SAM3 | 03/21/22 07:56 | 03/23/22 08:38 | µg/m$^3$ | ND | 1.98 | Anthracene |
| SAM3 | 03/21/22 07:56 | 03/23/22 08:38 | µg/m$^3$ | ND | 1.98 | Fluoranthene |
| SAM3 | 03/21/22 07:56 | 03/23/22 08:38 | µg/m$^3$ | ND | 1.98 | Pyrene |
| SAM3 | 03/21/22 07:56 | 03/23/22 08:38 | µg/m$^3$ | ND | 1.98 | Chrysene |
| SAM3 | 03/21/22 07:56 | 03/23/22 08:38 | µg/m$^3$ | ND | 1.98 | Benzo(a)anthracene |
| SAM3 | 03/21/22 07:56 | 03/23/22 08:38 | µg/m$^3$ | ND | 1.98 | Benzo(b)fluoranthene |
| SAM3 | 03/21/22 07:56 | 03/23/22 08:38 | µg/m$^3$ | ND | 1.98 | Benzo(k)fluoranthene |
| SAM3 | 03/21/22 07:56 | 03/23/22 08:38 | µg/m$^3$ | ND | 1.98 | Benzo(a)pyrene |
| SAM3 | 03/21/22 07:56 | 03/23/22 08:38 | µg/m$^3$ | ND | 1.98 | Indeno(1,2,3-c,d)pyrene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM3 | 03/21/22 07:56 | 03/23/22 08:38 | µg/m$^3$ | ND | 1.98 | Dibenz(a,h)anthracene |
| SAM3 | 03/21/22 07:56 | 03/23/22 08:38 | µg/m$^3$ | ND | 1.98 | Benzo(g,h,i)perylene |
| SAM4 | 03/21/22 08:16 | 03/23/22 08:58 | µg/m$^3$ | 1.45 | 1.94 | Naphthalene |
| SAM4 | 03/21/22 08:16 | 03/23/22 08:58 | µg/m$^3$ | 0.21 | 1.94 | 2-Methylnaphthalene |
| SAM4 | 03/21/22 08:16 | 03/23/22 08:58 | µg/m$^3$ | ND | 1.94 | 2-Chloronaphthalene |
| SAM4 | 03/21/22 08:16 | 03/23/22 08:58 | µg/m$^3$ | ND | 1.94 | Acenaphthylene |
| SAM4 | 03/21/22 08:16 | 03/23/22 08:58 | µg/m$^3$ | ND | 1.94 | Acenaphthene |
| SAM4 | 03/21/22 08:16 | 03/23/22 08:58 | µg/m$^3$ | ND | 1.94 | Fluorene |
| SAM4 | 03/21/22 08:16 | 03/23/22 08:58 | µg/m$^3$ | ND | 1.94 | PheNDthrene |
| SAM4 | 03/21/22 08:16 | 03/23/22 08:58 | µg/m$^3$ | ND | 1.94 | Anthracene |
| SAM4 | 03/21/22 08:16 | 03/23/22 08:58 | µg/m$^3$ | ND | 1.94 | Fluoranthene |
| SAM4 | 03/21/22 08:16 | 03/23/22 08:58 | µg/m$^3$ | ND | 1.94 | Pyrene |
| SAM4 | 03/21/22 08:16 | 03/23/22 08:58 | µg/m$^3$ | ND | 1.94 | Chrysene |
| SAM4 | 03/21/22 08:16 | 03/23/22 08:58 | µg/m$^3$ | ND | 1.94 | Benzo(a)anthracene |
| SAM4 | 03/21/22 08:16 | 03/23/22 08:58 | µg/m$^3$ | ND | 1.94 | Benzo(b)fluoranthene |
| SAM4 | 03/21/22 08:16 | 03/23/22 08:58 | µg/m$^3$ | ND | 1.94 | Benzo(k)fluoranthene |
| SAM4 | 03/21/22 08:16 | 03/23/22 08:58 | µg/m$^3$ | ND | 1.94 | Benzo(a)pyrene |
| SAM4 | 03/21/22 08:16 | 03/23/22 08:58 | µg/m$^3$ | ND | 1.94 | Indeno(1,2,3-c,d)pyrene |
| SAM4 | 03/21/22 08:16 | 03/23/22 08:58 | µg/m$^3$ | ND | 1.94 | Dibenz(a,h)anthracene |
| SAM4 | 03/21/22 08:16 | 03/23/22 08:58 | µg/m$^3$ | ND | 1.94 | Benzo(g,h,i)perylene |
| SAM5 | 03/21/22 08:11 | 03/23/22 08:53 | µg/m$^3$ | ND | 1.97 | Naphthalene |
| SAM5 | 03/21/22 08:11 | 03/23/22 08:53 | µg/m$^3$ | ND | 1.97 | 2-Methylnaphthalene |
| SAM5 | 03/21/22 08:11 | 03/23/22 08:53 | µg/m$^3$ | ND | 1.97 | 2-Chloronaphthalene |
| SAM5 | 03/21/22 08:11 | 03/23/22 08:53 | µg/m$^3$ | ND | 1.97 | Acenaphthylene |
| SAM5 | 03/21/22 08:11 | 03/23/22 08:53 | µg/m$^3$ | ND | 1.97 | Acenaphthene |
| SAM5 | 03/21/22 08:11 | 03/23/22 08:53 | µg/m$^3$ | ND | 1.97 | Fluorene |
| SAM5 | 03/21/22 08:11 | 03/23/22 08:53 | µg/m$^3$ | ND | 1.97 | PheNDthrene |
| SAM5 | 03/21/22 08:11 | 03/23/22 08:53 | µg/m$^3$ | ND | 1.97 | Anthracene |
| SAM5 | 03/21/22 08:11 | 03/23/22 08:53 | µg/m$^3$ | ND | 1.97 | Fluoranthene |
| SAM5 | 03/21/22 08:11 | 03/23/22 08:53 | µg/m$^3$ | ND | 1.97 | Pyrene |
| SAM5 | 03/21/22 08:11 | 03/23/22 08:53 | µg/m$^3$ | ND | 1.97 | Chrysene |
| SAM5 | 03/21/22 08:11 | 03/23/22 08:53 | µg/m$^3$ | ND | 1.97 | Benzo(a)anthracene |
| SAM5 | 03/21/22 08:11 | 03/23/22 08:53 | µg/m$^3$ | ND | 1.97 | Benzo(b)fluoranthene |
| SAM5 | 03/21/22 08:11 | 03/23/22 08:53 | µg/m$^3$ | ND | 1.97 | Benzo(k)fluoranthene |
| SAM5 | 03/21/22 08:11 | 03/23/22 08:53 | µg/m$^3$ | ND | 1.97 | Benzo(a)pyrene |
| SAM5 | 03/21/22 08:11 | 03/23/22 08:53 | µg/m$^3$ | ND | 1.97 | Indeno(1,2,3-c,d)pyrene |
| SAM5 | 03/21/22 08:11 | 03/23/22 08:53 | µg/m$^3$ | ND | 1.97 | Dibenz(a,h)anthracene |
| SAM5 | 03/21/22 08:11 | 03/23/22 08:53 | µg/m$^3$ | ND | 1.97 | Benzo(g,h,i)perylene |
| SAM1 | 03/23/22 14:10 | 03/25/22 07:49 | µg/m$^3$ | ND | 2.01 | Naphthalene |
| SAM1 | 03/23/22 14:10 | 03/25/22 07:49 | µg/m$^3$ | ND | 2.01 | 2-Methylnaphthalene |
| SAM1 | 03/23/22 14:10 | 03/25/22 07:49 | µg/m$^3$ | ND | 2.01 | 2-Chloronaphthalene |
| SAM1 | 03/23/22 14:10 | 03/25/22 07:49 | µg/m$^3$ | ND | 2.01 | Acenaphthylene |
| SAM1 | 03/23/22 14:10 | 03/25/22 07:49 | µg/m$^3$ | ND | 2.01 | Acenaphthene |
| SAM1 | 03/23/22 14:10 | 03/25/22 07:49 | µg/m$^3$ | ND | 2.01 | Fluorene |
| SAM1 | 03/23/22 14:10 | 03/25/22 07:49 | µg/m$^3$ | ND | 2.01 | PheNDthrene |
| SAM1 | 03/23/22 14:10 | 03/25/22 07:49 | µg/m$^3$ | ND | 2.01 | Anthracene |
| SAM1 | 03/23/22 14:10 | 03/25/22 07:49 | µg/m$^3$ | ND | 2.01 | Fluoranthene |
| SAM1 | 03/23/22 14:10 | 03/25/22 07:49 | µg/m$^3$ | ND | 2.01 | Pyrene |
| SAM1 | 03/23/22 14:10 | 03/25/22 07:49 | µg/m$^3$ | ND | 2.01 | Chrysene |
| SAM1 | 03/23/22 14:10 | 03/25/22 07:49 | µg/m$^3$ | ND | 2.01 | Benzo(a)anthracene |
| SAM1 | 03/23/22 14:10 | 03/25/22 07:49 | µg/m$^3$ | ND | 2.01 | Benzo(b)fluoranthene |
| SAM1 | 03/23/22 14:10 | 03/25/22 07:49 | µg/m$^3$ | ND | 2.01 | Benzo(k)fluoranthene |
| SAM1 | 03/23/22 14:10 | 03/25/22 07:49 | µg/m$^3$ | ND | 2.01 | Benzo(a)pyrene |
| SAM1 | 03/23/22 14:10 | 03/25/22 07:49 | µg/m$^3$ | ND | 2.01 | Indeno(1,2,3-c,d)pyrene |
| SAM1 | 03/23/22 14:10 | 03/25/22 07:49 | µg/m$^3$ | ND | 2.01 | Dibenz(a,h)anthracene |
| SAM1 | 03/23/22 14:10 | 03/25/22 07:49 | µg/m$^3$ | ND | 2.01 | Benzo(g,h,i)perylene |
| SAM2 | 03/23/22 14:03 | 03/25/22 07:40 | µg/m$^3$ | ND | 2.03 | Naphthalene |
| SAM2 | 03/23/22 14:03 | 03/25/22 07:40 | µg/m$^3$ | ND | 2.03 | 2-Methylnaphthalene |
| SAM2 | 03/23/22 14:03 | 03/25/22 07:40 | µg/m$^3$ | ND | 2.03 | 2-Chloronaphthalene |
| SAM2 | 03/23/22 14:03 | 03/25/22 07:40 | µg/m$^3$ | ND | 2.03 | Acenaphthylene |
| SAM2 | 03/23/22 14:03 | 03/25/22 07:40 | µg/m$^3$ | ND | 2.03 | Acenaphthene |
| SAM2 | 03/23/22 14:03 | 03/25/22 07:40 | µg/m$^3$ | ND | 2.03 | Fluorene |
| SAM2 | 03/23/22 14:03 | 03/25/22 07:40 | µg/m$^3$ | ND | 2.03 | PheNDthrene |
| SAM2 | 03/23/22 14:03 | 03/25/22 07:40 | µg/m$^3$ | ND | 2.03 | Anthracene |
| SAM2 | 03/23/22 14:03 | 03/25/22 07:40 | µg/m$^3$ | ND | 2.03 | Fluoranthene |
| SAM2 | 03/23/22 14:03 | 03/25/22 07:40 | µg/m$^3$ | ND | 2.03 | Pyrene |
| SAM2 | 03/23/22 14:03 | 03/25/22 07:40 | µg/m$^3$ | ND | 2.03 | Chrysene |
| SAM2 | 03/23/22 14:03 | 03/25/22 07:40 | µg/m$^3$ | ND | 2.03 | Benzo(a)anthracene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM2 | 03/23/22 14:03 | 03/25/22 07:40 | µg/m$^3$ | ND | 2.03 | Benzo(b)fluoranthene |
| SAM2 | 03/23/22 14:03 | 03/25/22 07:40 | µg/m$^3$ | ND | 2.03 | Benzo(k)fluoranthene |
| SAM2 | 03/23/22 14:03 | 03/25/22 07:40 | µg/m$^3$ | ND | 2.03 | Benzo(a)pyrene |
| SAM2 | 03/23/22 14:03 | 03/25/22 07:40 | µg/m$^3$ | ND | 2.03 | Indeno(1,2,3-c,d)pyrene |
| SAM2 | 03/23/22 14:03 | 03/25/22 07:40 | µg/m$^3$ | ND | 2.03 | Dibenz(a,h)anthracene |
| SAM2 | 03/23/22 14:03 | 03/25/22 07:40 | µg/m$^3$ | ND | 2.03 | Benzo(g,h,i)perylene |
| SAM3 | 03/23/22 14:05 | 03/25/22 07:45 | µg/m$^3$ | ND | 2.03 | Naphthalene |
| SAM3 | 03/23/22 14:05 | 03/25/22 07:45 | µg/m$^3$ | ND | 2.03 | 2-Methylnaphthalene |
| SAM3 | 03/23/22 14:05 | 03/25/22 07:45 | µg/m$^3$ | ND | 2.03 | 2-Chloronaphthalene |
| SAM3 | 03/23/22 14:05 | 03/25/22 07:45 | µg/m$^3$ | ND | 2.03 | Acenaphthylene |
| SAM3 | 03/23/22 14:05 | 03/25/22 07:45 | µg/m$^3$ | ND | 2.03 | Acenaphthene |
| SAM3 | 03/23/22 14:05 | 03/25/22 07:45 | µg/m$^3$ | ND | 2.03 | Fluorene |
| SAM3 | 03/23/22 14:05 | 03/25/22 07:45 | µg/m$^3$ | ND | 2.03 | PheNDthrene |
| SAM3 | 03/23/22 14:05 | 03/25/22 07:45 | µg/m$^3$ | ND | 2.03 | Anthracene |
| SAM3 | 03/23/22 14:05 | 03/25/22 07:45 | µg/m$^3$ | ND | 2.03 | Fluoranthene |
| SAM3 | 03/23/22 14:05 | 03/25/22 07:45 | µg/m$^3$ | ND | 2.03 | Pyrene |
| SAM3 | 03/23/22 14:05 | 03/25/22 07:45 | µg/m$^3$ | ND | 2.03 | Chrysene |
| SAM3 | 03/23/22 14:05 | 03/25/22 07:45 | µg/m$^3$ | ND | 2.03 | Benzo(a)anthracene |
| SAM3 | 03/23/22 14:05 | 03/25/22 07:45 | µg/m$^3$ | ND | 2.03 | Benzo(b)fluoranthene |
| SAM3 | 03/23/22 14:05 | 03/25/22 07:45 | µg/m$^3$ | ND | 2.03 | Benzo(k)fluoranthene |
| SAM3 | 03/23/22 14:05 | 03/25/22 07:45 | µg/m$^3$ | ND | 2.03 | Benzo(a)pyrene |
| SAM3 | 03/23/22 14:05 | 03/25/22 07:45 | µg/m$^3$ | ND | 2.03 | Indeno(1,2,3-c,d)pyrene |
| SAM3 | 03/23/22 14:05 | 03/25/22 07:45 | µg/m$^3$ | ND | 2.03 | Dibenz(a,h)anthracene |
| SAM3 | 03/23/22 14:05 | 03/25/22 07:45 | µg/m$^3$ | ND | 2.03 | Benzo(g,h,i)perylene |
| SAM4 | 03/23/22 14:14 | 03/25/22 07:59 | µg/m$^3$ | 1.68 | 2.02 | Naphthalene |
| SAM4 | 03/23/22 14:14 | 03/25/22 07:59 | µg/m$^3$ | 0.24 | 2.02 | 2-Methylnaphthalene |
| SAM4 | 03/23/22 14:14 | 03/25/22 07:59 | µg/m$^3$ | ND | 2.02 | 2-Chloronaphthalene |
| SAM4 | 03/23/22 14:14 | 03/25/22 07:59 | µg/m$^3$ | ND | 2.02 | Acenaphthylene |
| SAM4 | 03/23/22 14:14 | 03/25/22 07:59 | µg/m$^3$ | ND | 2.02 | Acenaphthene |
| SAM4 | 03/23/22 14:14 | 03/25/22 07:59 | µg/m$^3$ | ND | 2.02 | Fluorene |
| SAM4 | 03/23/22 14:14 | 03/25/22 07:59 | µg/m$^3$ | ND | 2.02 | PheNDthrene |
| SAM4 | 03/23/22 14:14 | 03/25/22 07:59 | µg/m$^3$ | ND | 2.02 | Anthracene |
| SAM4 | 03/23/22 14:14 | 03/25/22 07:59 | µg/m$^3$ | ND | 2.02 | Fluoranthene |
| SAM4 | 03/23/22 14:14 | 03/25/22 07:59 | µg/m$^3$ | ND | 2.02 | Pyrene |
| SAM4 | 03/23/22 14:14 | 03/25/22 07:59 | µg/m$^3$ | ND | 2.02 | Chrysene |
| SAM4 | 03/23/22 14:14 | 03/25/22 07:59 | µg/m$^3$ | ND | 2.02 | Benzo(a)anthracene |
| SAM4 | 03/23/22 14:14 | 03/25/22 07:59 | µg/m$^3$ | ND | 2.02 | Benzo(b)fluoranthene |
| SAM4 | 03/23/22 14:14 | 03/25/22 07:59 | µg/m$^3$ | ND | 2.02 | Benzo(k)fluoranthene |
| SAM4 | 03/23/22 14:14 | 03/25/22 07:59 | µg/m$^3$ | ND | 2.02 | Benzo(a)pyrene |
| SAM4 | 03/23/22 14:14 | 03/25/22 07:59 | µg/m$^3$ | ND | 2.02 | Indeno(1,2,3-c,d)pyrene |
| SAM4 | 03/23/22 14:14 | 03/25/22 07:59 | µg/m$^3$ | ND | 2.02 | Dibenz(a,h)anthracene |
| SAM4 | 03/23/22 14:14 | 03/25/22 07:59 | µg/m$^3$ | ND | 2.02 | Benzo(g,h,i)perylene |
| SAM5 | 03/23/22 14:13 | 03/25/22 07:56 | µg/m$^3$ | ND | 2.02 | Naphthalene |
| SAM5 | 03/23/22 14:13 | 03/25/22 07:56 | µg/m$^3$ | ND | 2.02 | 2-Methylnaphthalene |
| SAM5 | 03/23/22 14:13 | 03/25/22 07:56 | µg/m$^3$ | ND | 2.02 | 2-Chloronaphthalene |
| SAM5 | 03/23/22 14:13 | 03/25/22 07:56 | µg/m$^3$ | ND | 2.02 | Acenaphthylene |
| SAM5 | 03/23/22 14:13 | 03/25/22 07:56 | µg/m$^3$ | ND | 2.02 | Acenaphthene |
| SAM5 | 03/23/22 14:13 | 03/25/22 07:56 | µg/m$^3$ | ND | 2.02 | Fluorene |
| SAM5 | 03/23/22 14:13 | 03/25/22 07:56 | µg/m$^3$ | ND | 2.02 | PheNDthrene |
| SAM5 | 03/23/22 14:13 | 03/25/22 07:56 | µg/m$^3$ | ND | 2.02 | Anthracene |
| SAM5 | 03/23/22 14:13 | 03/25/22 07:56 | µg/m$^3$ | ND | 2.02 | Fluoranthene |
| SAM5 | 03/23/22 14:13 | 03/25/22 07:56 | µg/m$^3$ | ND | 2.02 | Pyrene |
| SAM5 | 03/23/22 14:13 | 03/25/22 07:56 | µg/m$^3$ | ND | 2.02 | Chrysene |
| SAM5 | 03/23/22 14:13 | 03/25/22 07:56 | µg/m$^3$ | ND | 2.02 | Benzo(a)anthracene |
| SAM5 | 03/23/22 14:13 | 03/25/22 07:56 | µg/m$^3$ | ND | 2.02 | Benzo(b)fluoranthene |
| SAM5 | 03/23/22 14:13 | 03/25/22 07:56 | µg/m$^3$ | ND | 2.02 | Benzo(k)fluoranthene |
| SAM5 | 03/23/22 14:13 | 03/25/22 07:56 | µg/m$^3$ | ND | 2.02 | Benzo(a)pyrene |
| SAM5 | 03/23/22 14:13 | 03/25/22 07:56 | µg/m$^3$ | ND | 2.02 | Indeno(1,2,3-c,d)pyrene |
| SAM5 | 03/23/22 14:13 | 03/25/22 07:56 | µg/m$^3$ | ND | 2.02 | Dibenz(a,h)anthracene |
| SAM5 | 03/23/22 14:13 | 03/25/22 07:56 | µg/m$^3$ | ND | 2.02 | Benzo(g,h,i)perylene |
| SAM1 | 03/28/22 08:07 | 03/30/22 07:58 | µg/m$^3$ | ND | 1.99 | Naphthalene |
| SAM1 | 03/28/22 08:07 | 03/30/22 07:58 | µg/m$^3$ | ND | 1.99 | 2-Methylnaphthalene |
| SAM1 | 03/28/22 08:07 | 03/30/22 07:58 | µg/m$^3$ | ND | 1.99 | 2-Chloronaphthalene |
| SAM1 | 03/28/22 08:07 | 03/30/22 07:58 | µg/m$^3$ | ND | 1.99 | Acenaphthylene |
| SAM1 | 03/28/22 08:07 | 03/30/22 07:58 | µg/m$^3$ | ND | 1.99 | Acenaphthene |
| SAM1 | 03/28/22 08:07 | 03/30/22 07:58 | µg/m$^3$ | ND | 1.99 | Fluorene |
| SAM1 | 03/28/22 08:07 | 03/30/22 07:58 | µg/m$^3$ | ND | 1.99 | PheNDthrene |
| SAM1 | 03/28/22 08:07 | 03/30/22 07:58 | µg/m$^3$ | ND | 1.99 | Anthracene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM1 | 03/28/22 08:07 | 03/30/22 07:58 | µg/m$^3$ | ND | 1.99 | Fluoranthene |
| SAM1 | 03/28/22 08:07 | 03/30/22 07:58 | µg/m$^3$ | ND | 1.99 | Pyrene |
| SAM1 | 03/28/22 08:07 | 03/30/22 07:58 | µg/m$^3$ | ND | 1.99 | Chrysene |
| SAM1 | 03/28/22 08:07 | 03/30/22 07:58 | µg/m$^3$ | ND | 1.99 | Benzo(a)anthracene |
| SAM1 | 03/28/22 08:07 | 03/30/22 07:58 | µg/m$^3$ | ND | 1.99 | Benzo(b)fluoranthene |
| SAM1 | 03/28/22 08:07 | 03/30/22 07:58 | µg/m$^3$ | ND | 1.99 | Benzo(k)fluoranthene |
| SAM1 | 03/28/22 08:07 | 03/30/22 07:58 | µg/m$^3$ | ND | 1.99 | Benzo(a)pyrene |
| SAM1 | 03/28/22 08:07 | 03/30/22 07:58 | µg/m$^3$ | ND | 1.99 | Indeno(1,2,3-c,d)pyrene |
| SAM1 | 03/28/22 08:07 | 03/30/22 07:58 | µg/m$^3$ | ND | 1.99 | Dibenz(a,h)anthracene |
| SAM1 | 03/28/22 08:07 | 03/30/22 07:58 | µg/m$^3$ | ND | 1.99 | Benzo(g,h,i)perylene |
| SAM2 | 03/28/22 07:55 | 03/30/22 07:40 | µg/m$^3$ | ND | 1.96 | Naphthalene |
| SAM2 | 03/28/22 07:55 | 03/30/22 07:40 | µg/m$^3$ | ND | 1.96 | 2-Methylnaphthalene |
| SAM2 | 03/28/22 07:55 | 03/30/22 07:40 | µg/m$^3$ | ND | 1.96 | 2-Chloronaphthalene |
| SAM2 | 03/28/22 07:55 | 03/30/22 07:40 | µg/m$^3$ | ND | 1.96 | Acenaphthylene |
| SAM2 | 03/28/22 07:55 | 03/30/22 07:40 | µg/m$^3$ | ND | 1.96 | Acenaphthene |
| SAM2 | 03/28/22 07:55 | 03/30/22 07:40 | µg/m$^3$ | ND | 1.96 | Fluorene |
| SAM2 | 03/28/22 07:55 | 03/30/22 07:40 | µg/m$^3$ | ND | 1.96 | PheNDthrene |
| SAM2 | 03/28/22 07:55 | 03/30/22 07:40 | µg/m$^3$ | ND | 1.96 | Anthracene |
| SAM2 | 03/28/22 07:55 | 03/30/22 07:40 | µg/m$^3$ | ND | 1.96 | Fluoranthene |
| SAM2 | 03/28/22 07:55 | 03/30/22 07:40 | µg/m$^3$ | ND | 1.96 | Pyrene |
| SAM2 | 03/28/22 07:55 | 03/30/22 07:40 | µg/m$^3$ | ND | 1.96 | Chrysene |
| SAM2 | 03/28/22 07:55 | 03/30/22 07:40 | µg/m$^3$ | ND | 1.96 | Benzo(a)anthracene |
| SAM2 | 03/28/22 07:55 | 03/30/22 07:40 | µg/m$^3$ | ND | 1.96 | Benzo(b)fluoranthene |
| SAM2 | 03/28/22 07:55 | 03/30/22 07:40 | µg/m$^3$ | ND | 1.96 | Benzo(k)fluoranthene |
| SAM2 | 03/28/22 07:55 | 03/30/22 07:40 | µg/m$^3$ | ND | 1.96 | Benzo(a)pyrene |
| SAM2 | 03/28/22 07:55 | 03/30/22 07:40 | µg/m$^3$ | ND | 1.96 | Indeno(1,2,3-c,d)pyrene |
| SAM2 | 03/28/22 07:55 | 03/30/22 07:40 | µg/m$^3$ | ND | 1.96 | Dibenz(a,h)anthracene |
| SAM2 | 03/28/22 07:55 | 03/30/22 07:40 | µg/m$^3$ | ND | 1.96 | Benzo(g,h,i)perylene |
| SAM3 | 03/28/22 08:02 | 03/30/22 07:53 | µg/m$^3$ | ND | 1.99 | Naphthalene |
| SAM3 | 03/28/22 08:02 | 03/30/22 07:53 | µg/m$^3$ | ND | 1.99 | 2-Methylnaphthalene |
| SAM3 | 03/28/22 08:02 | 03/30/22 07:53 | µg/m$^3$ | ND | 1.99 | 2-Chloronaphthalene |
| SAM3 | 03/28/22 08:02 | 03/30/22 07:53 | µg/m$^3$ | ND | 1.99 | Acenaphthylene |
| SAM3 | 03/28/22 08:02 | 03/30/22 07:53 | µg/m$^3$ | ND | 1.99 | Acenaphthene |
| SAM3 | 03/28/22 08:02 | 03/30/22 07:53 | µg/m$^3$ | ND | 1.99 | Fluorene |
| SAM3 | 03/28/22 08:02 | 03/30/22 07:53 | µg/m$^3$ | ND | 1.99 | PheNDthrene |
| SAM3 | 03/28/22 08:02 | 03/30/22 07:53 | µg/m$^3$ | ND | 1.99 | Anthracene |
| SAM3 | 03/28/22 08:02 | 03/30/22 07:53 | µg/m$^3$ | ND | 1.99 | Fluoranthene |
| SAM3 | 03/28/22 08:02 | 03/30/22 07:53 | µg/m$^3$ | ND | 1.99 | Pyrene |
| SAM3 | 03/28/22 08:02 | 03/30/22 07:53 | µg/m$^3$ | ND | 1.99 | Chrysene |
| SAM3 | 03/28/22 08:02 | 03/30/22 07:53 | µg/m$^3$ | ND | 1.99 | Benzo(a)anthracene |
| SAM3 | 03/28/22 08:02 | 03/30/22 07:53 | µg/m$^3$ | ND | 1.99 | Benzo(b)fluoranthene |
| SAM3 | 03/28/22 08:02 | 03/30/22 07:53 | µg/m$^3$ | ND | 1.99 | Benzo(k)fluoranthene |
| SAM3 | 03/28/22 08:02 | 03/30/22 07:53 | µg/m$^3$ | ND | 1.99 | Benzo(a)pyrene |
| SAM3 | 03/28/22 08:02 | 03/30/22 07:53 | µg/m$^3$ | ND | 1.99 | Indeno(1,2,3-c,d)pyrene |
| SAM3 | 03/28/22 08:02 | 03/30/22 07:53 | µg/m$^3$ | ND | 1.99 | Dibenz(a,h)anthracene |
| SAM3 | 03/28/22 08:02 | 03/30/22 07:53 | µg/m$^3$ | ND | 1.99 | Benzo(g,h,i)perylene |
| SAM4 | 03/28/22 08:26 | 03/30/22 08:05 | µg/m$^3$ | 2.15 | 1.95 | Naphthalene |
| SAM4 | 03/28/22 08:26 | 03/30/22 08:05 | µg/m$^3$ | 0.32 | 1.95 | 2-Methylnaphthalene |
| SAM4 | 03/28/22 08:26 | 03/30/22 08:05 | µg/m$^3$ | ND | 1.95 | 2-Chloronaphthalene |
| SAM4 | 03/28/22 08:26 | 03/30/22 08:05 | µg/m$^3$ | ND | 1.95 | Acenaphthylene |
| SAM4 | 03/28/22 08:26 | 03/30/22 08:05 | µg/m$^3$ | ND | 1.95 | Acenaphthene |
| SAM4 | 03/28/22 08:26 | 03/30/22 08:05 | µg/m$^3$ | ND | 1.95 | Fluorene |
| SAM4 | 03/28/22 08:26 | 03/30/22 08:05 | µg/m$^3$ | ND | 1.95 | PheNDthrene |
| SAM4 | 03/28/22 08:26 | 03/30/22 08:05 | µg/m$^3$ | ND | 1.95 | Anthracene |
| SAM4 | 03/28/22 08:26 | 03/30/22 08:05 | µg/m$^3$ | ND | 1.95 | Fluoranthene |
| SAM4 | 03/28/22 08:26 | 03/30/22 08:05 | µg/m$^3$ | ND | 1.95 | Pyrene |
| SAM4 | 03/28/22 08:26 | 03/30/22 08:05 | µg/m$^3$ | ND | 1.95 | Chrysene |
| SAM4 | 03/28/22 08:26 | 03/30/22 08:05 | µg/m$^3$ | ND | 1.95 | Benzo(a)anthracene |
| SAM4 | 03/28/22 08:26 | 03/30/22 08:05 | µg/m$^3$ | ND | 1.95 | Benzo(b)fluoranthene |
| SAM4 | 03/28/22 08:26 | 03/30/22 08:05 | µg/m$^3$ | ND | 1.95 | Benzo(k)fluoranthene |
| SAM4 | 03/28/22 08:26 | 03/30/22 08:05 | µg/m$^3$ | ND | 1.95 | Benzo(a)pyrene |
| SAM4 | 03/28/22 08:26 | 03/30/22 08:05 | µg/m$^3$ | ND | 1.95 | Indeno(1,2,3-c,d)pyrene |
| SAM4 | 03/28/22 08:26 | 03/30/22 08:05 | µg/m$^3$ | ND | 1.95 | Dibenz(a,h)anthracene |
| SAM4 | 03/28/22 08:26 | 03/30/22 08:05 | µg/m$^3$ | ND | 1.95 | Benzo(g,h,i)perylene |
| SAM5 | 03/28/22 08:21 | 03/30/22 08:02 | µg/m$^3$ | ND | 1.97 | Naphthalene |
| SAM5 | 03/28/22 08:21 | 03/30/22 08:02 | µg/m$^3$ | ND | 1.97 | 2-Methylnaphthalene |
| SAM5 | 03/28/22 08:21 | 03/30/22 08:02 | µg/m$^3$ | ND | 1.97 | 2-Chloronaphthalene |
| SAM5 | 03/28/22 08:21 | 03/30/22 08:02 | µg/m$^3$ | ND | 1.97 | Acenaphthylene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM5 | 03/28/22 08:21 | 03/30/22 08:02 | µg/m$^3$ | ND | 1.97 | Acenaphthene |
| SAM5 | 03/28/22 08:21 | 03/30/22 08:02 | µg/m$^3$ | ND | 1.97 | Fluorene |
| SAM5 | 03/28/22 08:21 | 03/30/22 08:02 | µg/m$^3$ | ND | 1.97 | PheNDthrene |
| SAM5 | 03/28/22 08:21 | 03/30/22 08:02 | µg/m$^3$ | ND | 1.97 | Anthracene |
| SAM5 | 03/28/22 08:21 | 03/30/22 08:02 | µg/m$^3$ | ND | 1.97 | Fluoranthene |
| SAM5 | 03/28/22 08:21 | 03/30/22 08:02 | µg/m$^3$ | ND | 1.97 | Pyrene |
| SAM5 | 03/28/22 08:21 | 03/30/22 08:02 | µg/m$^3$ | ND | 1.97 | Chrysene |
| SAM5 | 03/28/22 08:21 | 03/30/22 08:02 | µg/m$^3$ | ND | 1.97 | Benzo(a)anthracene |
| SAM5 | 03/28/22 08:21 | 03/30/22 08:02 | µg/m$^3$ | ND | 1.97 | Benzo(b)fluoranthene |
| SAM5 | 03/28/22 08:21 | 03/30/22 08:02 | µg/m$^3$ | ND | 1.97 | Benzo(k)fluoranthene |
| SAM5 | 03/28/22 08:21 | 03/30/22 08:02 | µg/m$^3$ | ND | 1.97 | Benzo(a)pyrene |
| SAM5 | 03/28/22 08:21 | 03/30/22 08:02 | µg/m$^3$ | ND | 1.97 | Indeno(1,2,3-c,d)pyrene |
| SAM5 | 03/28/22 08:21 | 03/30/22 08:02 | µg/m$^3$ | ND | 1.97 | Dibenz(a,h)anthracene |
| SAM5 | 03/28/22 08:21 | 03/30/22 08:02 | µg/m$^3$ | ND | 1.97 | Benzo(g,h,i)perylene |
| SAM1 | 03/30/22 11:59 | 04/01/22 08:12 | µg/m$^3$ | 0.52 | 2.04 | Naphthalene |
| SAM1 | 03/30/22 11:59 | 04/01/22 08:12 | µg/m$^3$ | ND | 2.04 | 2-Methylnaphthalene |
| SAM1 | 03/30/22 11:59 | 04/01/22 08:12 | µg/m$^3$ | ND | 2.04 | 2-Chloronaphthalene |
| SAM1 | 03/30/22 11:59 | 04/01/22 08:12 | µg/m$^3$ | ND | 2.04 | Acenaphthylene |
| SAM1 | 03/30/22 11:59 | 04/01/22 08:12 | µg/m$^3$ | ND | 2.04 | Acenaphthene |
| SAM1 | 03/30/22 11:59 | 04/01/22 08:12 | µg/m$^3$ | ND | 2.04 | Fluorene |
| SAM1 | 03/30/22 11:59 | 04/01/22 08:12 | µg/m$^3$ | ND | 2.04 | PheNDthrene |
| SAM1 | 03/30/22 11:59 | 04/01/22 08:12 | µg/m$^3$ | ND | 2.04 | Anthracene |
| SAM1 | 03/30/22 11:59 | 04/01/22 08:12 | µg/m$^3$ | ND | 2.04 | Fluoranthene |
| SAM1 | 03/30/22 11:59 | 04/01/22 08:12 | µg/m$^3$ | ND | 2.04 | Pyrene |
| SAM1 | 03/30/22 11:59 | 04/01/22 08:12 | µg/m$^3$ | ND | 2.04 | Chrysene |
| SAM1 | 03/30/22 11:59 | 04/01/22 08:12 | µg/m$^3$ | ND | 2.04 | Benzo(a)anthracene |
| SAM1 | 03/30/22 11:59 | 04/01/22 08:12 | µg/m$^3$ | ND | 2.04 | Benzo(b)fluoranthene |
| SAM1 | 03/30/22 11:59 | 04/01/22 08:12 | µg/m$^3$ | ND | 2.04 | Benzo(k)fluoranthene |
| SAM1 | 03/30/22 11:59 | 04/01/22 08:12 | µg/m$^3$ | ND | 2.04 | Benzo(a)pyrene |
| SAM1 | 03/30/22 11:59 | 04/01/22 08:12 | µg/m$^3$ | ND | 2.04 | Indeno(1,2,3-c,d)pyrene |
| SAM1 | 03/30/22 11:59 | 04/01/22 08:12 | µg/m$^3$ | ND | 2.04 | Dibenz(a,h)anthracene |
| SAM1 | 03/30/22 11:59 | 04/01/22 08:12 | µg/m$^3$ | ND | 2.04 | Benzo(g,h,i)perylene |
| SAM2 | 03/30/22 11:54 | 04/01/22 07:50 | µg/m$^3$ | 0.35 | 2.04 | Naphthalene |
| SAM2 | 03/30/22 11:54 | 04/01/22 07:50 | µg/m$^3$ | ND | 2.04 | 2-Methylnaphthalene |
| SAM2 | 03/30/22 11:54 | 04/01/22 07:50 | µg/m$^3$ | ND | 2.04 | 2-Chloronaphthalene |
| SAM2 | 03/30/22 11:54 | 04/01/22 07:50 | µg/m$^3$ | ND | 2.04 | Acenaphthylene |
| SAM2 | 03/30/22 11:54 | 04/01/22 07:50 | µg/m$^3$ | ND | 2.04 | Acenaphthene |
| SAM2 | 03/30/22 11:54 | 04/01/22 07:50 | µg/m$^3$ | ND | 2.04 | Fluorene |
| SAM2 | 03/30/22 11:54 | 04/01/22 07:50 | µg/m$^3$ | ND | 2.04 | PheNDthrene |
| SAM2 | 03/30/22 11:54 | 04/01/22 07:50 | µg/m$^3$ | ND | 2.04 | Anthracene |
| SAM2 | 03/30/22 11:54 | 04/01/22 07:50 | µg/m$^3$ | ND | 2.04 | Fluoranthene |
| SAM2 | 03/30/22 11:54 | 04/01/22 07:50 | µg/m$^3$ | ND | 2.04 | Pyrene |
| SAM2 | 03/30/22 11:54 | 04/01/22 07:50 | µg/m$^3$ | ND | 2.04 | Chrysene |
| SAM2 | 03/30/22 11:54 | 04/01/22 07:50 | µg/m$^3$ | ND | 2.04 | Benzo(a)anthracene |
| SAM2 | 03/30/22 11:54 | 04/01/22 07:50 | µg/m$^3$ | ND | 2.04 | Benzo(b)fluoranthene |
| SAM2 | 03/30/22 11:54 | 04/01/22 07:50 | µg/m$^3$ | ND | 2.04 | Benzo(k)fluoranthene |
| SAM2 | 03/30/22 11:54 | 04/01/22 07:50 | µg/m$^3$ | ND | 2.04 | Benzo(a)pyrene |
| SAM2 | 03/30/22 11:54 | 04/01/22 07:50 | µg/m$^3$ | ND | 2.04 | Indeno(1,2,3-c,d)pyrene |
| SAM2 | 03/30/22 11:54 | 04/01/22 07:50 | µg/m$^3$ | ND | 2.04 | Dibenz(a,h)anthracene |
| SAM2 | 03/30/22 11:54 | 04/01/22 07:50 | µg/m$^3$ | ND | 2.04 | Benzo(g,h,i)perylene |
| SAM3 | 03/30/22 11:56 | 04/01/22 08:07 | µg/m$^3$ | 0.37 | 2.03 | Naphthalene |
| SAM3 | 03/30/22 11:56 | 04/01/22 08:07 | µg/m$^3$ | ND | 2.03 | 2-Methylnaphthalene |
| SAM3 | 03/30/22 11:56 | 04/01/22 08:07 | µg/m$^3$ | ND | 2.03 | 2-Chloronaphthalene |
| SAM3 | 03/30/22 11:56 | 04/01/22 08:07 | µg/m$^3$ | ND | 2.03 | Acenaphthylene |
| SAM3 | 03/30/22 11:56 | 04/01/22 08:07 | µg/m$^3$ | ND | 2.03 | Acenaphthene |
| SAM3 | 03/30/22 11:56 | 04/01/22 08:07 | µg/m$^3$ | ND | 2.03 | Fluorene |
| SAM3 | 03/30/22 11:56 | 04/01/22 08:07 | µg/m$^3$ | ND | 2.03 | PheNDthrene |
| SAM3 | 03/30/22 11:56 | 04/01/22 08:07 | µg/m$^3$ | ND | 2.03 | Anthracene |
| SAM3 | 03/30/22 11:56 | 04/01/22 08:07 | µg/m$^3$ | ND | 2.03 | Fluoranthene |
| SAM3 | 03/30/22 11:56 | 04/01/22 08:07 | µg/m$^3$ | ND | 2.03 | Pyrene |
| SAM3 | 03/30/22 11:56 | 04/01/22 08:07 | µg/m$^3$ | ND | 2.03 | Chrysene |
| SAM3 | 03/30/22 11:56 | 04/01/22 08:07 | µg/m$^3$ | ND | 2.03 | Benzo(a)anthracene |
| SAM3 | 03/30/22 11:56 | 04/01/22 08:07 | µg/m$^3$ | ND | 2.03 | Benzo(b)fluoranthene |
| SAM3 | 03/30/22 11:56 | 04/01/22 08:07 | µg/m$^3$ | ND | 2.03 | Benzo(k)fluoranthene |
| SAM3 | 03/30/22 11:56 | 04/01/22 08:07 | µg/m$^3$ | ND | 2.03 | Benzo(a)pyrene |
| SAM3 | 03/30/22 11:56 | 04/01/22 08:07 | µg/m$^3$ | ND | 2.03 | Indeno(1,2,3-c,d)pyrene |
| SAM3 | 03/30/22 11:56 | 04/01/22 08:07 | µg/m$^3$ | ND | 2.03 | Dibenz(a,h)anthracene |
| SAM3 | 03/30/22 11:56 | 04/01/22 08:07 | µg/m$^3$ | ND | 2.03 | Benzo(g,h,i)perylene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM4 | 03/30/22 12:03 | 04/01/22 08:02 | µg/m$^3$ | ND | 2.05 | Naphthalene |
| SAM4 | 03/30/22 12:03 | 04/01/22 08:02 | µg/m$^3$ | ND | 2.05 | 2-Methylnaphthalene |
| SAM4 | 03/30/22 12:03 | 04/01/22 08:02 | µg/m$^3$ | ND | 2.05 | 2-Chloronaphthalene |
| SAM4 | 03/30/22 12:03 | 04/01/22 08:02 | µg/m$^3$ | ND | 2.05 | Acenaphthylene |
| SAM4 | 03/30/22 12:03 | 04/01/22 08:02 | µg/m$^3$ | ND | 2.05 | Acenaphthene |
| SAM4 | 03/30/22 12:03 | 04/01/22 08:02 | µg/m$^3$ | ND | 2.05 | Fluorene |
| SAM4 | 03/30/22 12:03 | 04/01/22 08:02 | µg/m$^3$ | ND | 2.05 | PheNDthrene |
| SAM4 | 03/30/22 12:03 | 04/01/22 08:02 | µg/m$^3$ | ND | 2.05 | Anthracene |
| SAM4 | 03/30/22 12:03 | 04/01/22 08:02 | µg/m$^3$ | ND | 2.05 | Fluoranthene |
| SAM4 | 03/30/22 12:03 | 04/01/22 08:02 | µg/m$^3$ | ND | 2.05 | Pyrene |
| SAM4 | 03/30/22 12:03 | 04/01/22 08:02 | µg/m$^3$ | ND | 2.05 | Chrysene |
| SAM4 | 03/30/22 12:03 | 04/01/22 08:02 | µg/m$^3$ | ND | 2.05 | Benzo(a)anthracene |
| SAM4 | 03/30/22 12:03 | 04/01/22 08:02 | µg/m$^3$ | ND | 2.05 | Benzo(b)fluoranthene |
| SAM4 | 03/30/22 12:03 | 04/01/22 08:02 | µg/m$^3$ | ND | 2.05 | Benzo(k)fluoranthene |
| SAM4 | 03/30/22 12:03 | 04/01/22 08:02 | µg/m$^3$ | ND | 2.05 | Benzo(a)pyrene |
| SAM4 | 03/30/22 12:03 | 04/01/22 08:02 | µg/m$^3$ | ND | 2.05 | Indeno(1,2,3-c,d)pyrene |
| SAM4 | 03/30/22 12:03 | 04/01/22 08:02 | µg/m$^3$ | ND | 2.05 | Dibenz(a,h)anthracene |
| SAM4 | 03/30/22 12:03 | 04/01/22 08:02 | µg/m$^3$ | ND | 2.05 | Benzo(g,h,i)perylene |
| SAM5 | 03/30/22 12:05 | 04/01/22 07:54 | µg/m$^3$ | ND | 2.05 | Naphthalene |
| SAM5 | 03/30/22 12:05 | 04/01/22 07:54 | µg/m$^3$ | ND | 2.05 | 2-Methylnaphthalene |
| SAM5 | 03/30/22 12:05 | 04/01/22 07:54 | µg/m$^3$ | ND | 2.05 | 2-Chloronaphthalene |
| SAM5 | 03/30/22 12:05 | 04/01/22 07:54 | µg/m$^3$ | ND | 2.05 | Acenaphthylene |
| SAM5 | 03/30/22 12:05 | 04/01/22 07:54 | µg/m$^3$ | ND | 2.05 | Acenaphthene |
| SAM5 | 03/30/22 12:05 | 04/01/22 07:54 | µg/m$^3$ | ND | 2.05 | Fluorene |
| SAM5 | 03/30/22 12:05 | 04/01/22 07:54 | µg/m$^3$ | ND | 2.05 | PheNDthrene |
| SAM5 | 03/30/22 12:05 | 04/01/22 07:54 | µg/m$^3$ | ND | 2.05 | Anthracene |
| SAM5 | 03/30/22 12:05 | 04/01/22 07:54 | µg/m$^3$ | ND | 2.05 | Fluoranthene |
| SAM5 | 03/30/22 12:05 | 04/01/22 07:54 | µg/m$^3$ | ND | 2.05 | Pyrene |
| SAM5 | 03/30/22 12:05 | 04/01/22 07:54 | µg/m$^3$ | ND | 2.05 | Chrysene |
| SAM5 | 03/30/22 12:05 | 04/01/22 07:54 | µg/m$^3$ | ND | 2.05 | Benzo(a)anthracene |
| SAM5 | 03/30/22 12:05 | 04/01/22 07:54 | µg/m$^3$ | ND | 2.05 | Benzo(b)fluoranthene |
| SAM5 | 03/30/22 12:05 | 04/01/22 07:54 | µg/m$^3$ | ND | 2.05 | Benzo(k)fluoranthene |
| SAM5 | 03/30/22 12:05 | 04/01/22 07:54 | µg/m$^3$ | ND | 2.05 | Benzo(a)pyrene |
| SAM5 | 03/30/22 12:05 | 04/01/22 07:54 | µg/m$^3$ | ND | 2.05 | Indeno(1,2,3-c,d)pyrene |
| SAM5 | 03/30/22 12:05 | 04/01/22 07:54 | µg/m$^3$ | ND | 2.05 | Dibenz(a,h)anthracene |
| SAM5 | 03/30/22 12:05 | 04/01/22 07:54 | µg/m$^3$ | ND | 2.05 | Benzo(g,h,i)perylene |
| SAM1 | 04/04/22 11:02 | 04/06/22 10:05 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM1 | 04/04/22 11:02 | 04/06/22 10:05 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM1 | 04/04/22 11:02 | 04/06/22 10:05 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM1 | 04/04/22 11:02 | 04/06/22 10:05 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM1 | 04/04/22 11:02 | 04/06/22 10:05 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM1 | 04/04/22 11:02 | 04/06/22 10:05 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM1 | 04/04/22 11:02 | 04/06/22 10:05 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM1 | 04/04/22 11:02 | 04/06/22 10:05 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM1 | 04/04/22 11:02 | 04/06/22 10:05 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM1 | 04/04/22 11:02 | 04/06/22 10:05 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM1 | 04/04/22 11:02 | 04/06/22 10:05 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM1 | 04/04/22 11:02 | 04/06/22 10:05 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM1 | 04/04/22 11:02 | 04/06/22 10:05 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM1 | 04/04/22 11:02 | 04/06/22 10:05 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM1 | 04/04/22 11:02 | 04/06/22 10:05 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM1 | 04/04/22 11:02 | 04/06/22 10:05 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM1 | 04/04/22 11:02 | 04/06/22 10:05 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM1 | 04/04/22 11:02 | 04/06/22 10:05 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM2 | 04/04/22 10:50 | 04/06/22 11:14 | µg/m$^3$ | 0.52* | 2.00* | Naphthalene |
| SAM2 | 04/04/22 10:50 | 04/06/22 11:14 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM2 | 04/04/22 10:50 | 04/06/22 11:14 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM2 | 04/04/22 10:50 | 04/06/22 11:14 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM2 | 04/04/22 10:50 | 04/06/22 11:14 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM2 | 04/04/22 10:50 | 04/06/22 11:14 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM2 | 04/04/22 10:50 | 04/06/22 11:14 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM2 | 04/04/22 10:50 | 04/06/22 11:14 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM2 | 04/04/22 10:50 | 04/06/22 11:14 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM2 | 04/04/22 10:50 | 04/06/22 11:14 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM2 | 04/04/22 10:50 | 04/06/22 11:14 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM2 | 04/04/22 10:50 | 04/06/22 11:14 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM2 | 04/04/22 10:50 | 04/06/22 11:14 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM2 | 04/04/22 10:50 | 04/06/22 11:14 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM2 | 04/04/22 10:50 | 04/06/22 11:14 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM2 | 04/04/22 10:50 | 04/06/22 11:14 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM2 | 04/04/22 10:50 | 04/06/22 11:14 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM2 | 04/04/22 10:50 | 04/06/22 11:14 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM3 | 04/04/22 11:08 | 04/06/22 10:22 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM3 | 04/04/22 11:08 | 04/06/22 10:22 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM3 | 04/04/22 11:08 | 04/06/22 10:22 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM3 | 04/04/22 11:08 | 04/06/22 10:22 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM3 | 04/04/22 11:08 | 04/06/22 10:22 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM3 | 04/04/22 11:08 | 04/06/22 10:22 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM3 | 04/04/22 11:08 | 04/06/22 10:22 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM3 | 04/04/22 11:08 | 04/06/22 10:22 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM3 | 04/04/22 11:08 | 04/06/22 10:22 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM3 | 04/04/22 11:08 | 04/06/22 10:22 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM3 | 04/04/22 11:08 | 04/06/22 10:22 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM3 | 04/04/22 11:08 | 04/06/22 10:22 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM3 | 04/04/22 11:08 | 04/06/22 10:22 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM3 | 04/04/22 11:08 | 04/06/22 10:22 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM3 | 04/04/22 11:08 | 04/06/22 10:22 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM3 | 04/04/22 11:08 | 04/06/22 10:22 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM3 | 04/04/22 11:08 | 04/06/22 10:22 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM3 | 04/04/22 11:08 | 04/06/22 10:22 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM4 | 04/04/22 11:22 | 04/06/22 10:56 | µg/m$^3$ | 0.47* | 2.00* | Naphthalene |
| SAM4 | 04/04/22 11:22 | 04/06/22 10:56 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM4 | 04/04/22 11:22 | 04/06/22 10:56 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM4 | 04/04/22 11:22 | 04/06/22 10:56 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM4 | 04/04/22 11:22 | 04/06/22 10:56 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM4 | 04/04/22 11:22 | 04/06/22 10:56 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM4 | 04/04/22 11:22 | 04/06/22 10:56 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM4 | 04/04/22 11:22 | 04/06/22 10:56 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM4 | 04/04/22 11:22 | 04/06/22 10:56 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM4 | 04/04/22 11:22 | 04/06/22 10:56 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM4 | 04/04/22 11:22 | 04/06/22 10:56 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM4 | 04/04/22 11:22 | 04/06/22 10:56 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM4 | 04/04/22 11:22 | 04/06/22 10:56 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM4 | 04/04/22 11:22 | 04/06/22 10:56 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM4 | 04/04/22 11:22 | 04/06/22 10:56 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM4 | 04/04/22 11:22 | 04/06/22 10:56 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM4 | 04/04/22 11:22 | 04/06/22 10:56 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM4 | 04/04/22 11:22 | 04/06/22 10:56 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM5 | 04/04/22 11:15 | 04/06/22 10:41 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM5 | 04/04/22 11:15 | 04/06/22 10:41 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM5 | 04/04/22 11:15 | 04/06/22 10:41 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM5 | 04/04/22 11:15 | 04/06/22 10:41 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM5 | 04/04/22 11:15 | 04/06/22 10:41 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM5 | 04/04/22 11:15 | 04/06/22 10:41 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM5 | 04/04/22 11:15 | 04/06/22 10:41 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM5 | 04/04/22 11:15 | 04/06/22 10:41 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM5 | 04/04/22 11:15 | 04/06/22 10:41 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM5 | 04/04/22 11:15 | 04/06/22 10:41 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM5 | 04/04/22 11:15 | 04/06/22 10:41 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM5 | 04/04/22 11:15 | 04/06/22 10:41 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM5 | 04/04/22 11:15 | 04/06/22 10:41 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM5 | 04/04/22 11:15 | 04/06/22 10:41 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM5 | 04/04/22 11:15 | 04/06/22 10:41 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM5 | 04/04/22 11:15 | 04/06/22 10:41 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM5 | 04/04/22 11:15 | 04/06/22 10:41 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM5 | 04/04/22 11:15 | 04/06/22 10:41 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM1 | 04/06/22 10:09 | 04/08/22 10:17 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM1 | 04/06/22 10:09 | 04/08/22 10:17 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM1 | 04/06/22 10:09 | 04/08/22 10:17 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM1 | 04/06/22 10:09 | 04/08/22 10:17 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM1 | 04/06/22 10:09 | 04/08/22 10:17 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM1 | 04/06/22 10:09 | 04/08/22 10:17 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM1 | 04/06/22 10:09 | 04/08/22 10:17 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM1 | 04/06/22 10:09 | 04/08/22 10:17 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM1 | 04/06/22 10:09 | 04/08/22 10:17 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM1 | 04/06/22 10:09 | 04/08/22 10:17 | µg/m$^3$ | ND | 2.00* | Pyrene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM1 | 04/06/22 10:09 | 04/08/22 10:17 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM1 | 04/06/22 10:09 | 04/08/22 10:17 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM1 | 04/06/22 10:09 | 04/08/22 10:17 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM1 | 04/06/22 10:09 | 04/08/22 10:17 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM1 | 04/06/22 10:09 | 04/08/22 10:17 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM1 | 04/06/22 10:09 | 04/08/22 10:17 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM1 | 04/06/22 10:09 | 04/08/22 10:17 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM1 | 04/06/22 10:09 | 04/08/22 10:17 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM2 | 04/06/22 11:17 | 04/08/22 10:42 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM2 | 04/06/22 11:17 | 04/08/22 10:42 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM2 | 04/06/22 11:17 | 04/08/22 10:42 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM2 | 04/06/22 11:17 | 04/08/22 10:42 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM2 | 04/06/22 11:17 | 04/08/22 10:42 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM2 | 04/06/22 11:17 | 04/08/22 10:42 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM2 | 04/06/22 11:17 | 04/08/22 10:42 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM2 | 04/06/22 11:17 | 04/08/22 10:42 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM2 | 04/06/22 11:17 | 04/08/22 10:42 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM2 | 04/06/22 11:17 | 04/08/22 10:42 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM2 | 04/06/22 11:17 | 04/08/22 10:42 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM2 | 04/06/22 11:17 | 04/08/22 10:42 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM2 | 04/06/22 11:17 | 04/08/22 10:42 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM2 | 04/06/22 11:17 | 04/08/22 10:42 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM2 | 04/06/22 11:17 | 04/08/22 10:42 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM2 | 04/06/22 11:17 | 04/08/22 10:42 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM2 | 04/06/22 11:17 | 04/08/22 10:42 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM2 | 04/06/22 11:17 | 04/08/22 10:42 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM3 | 04/06/22 10:26 | 04/08/22 10:11 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM3 | 04/06/22 10:26 | 04/08/22 10:11 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM3 | 04/06/22 10:26 | 04/08/22 10:11 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM3 | 04/06/22 10:26 | 04/08/22 10:11 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM3 | 04/06/22 10:26 | 04/08/22 10:11 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM3 | 04/06/22 10:26 | 04/08/22 10:11 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM3 | 04/06/22 10:26 | 04/08/22 10:11 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM3 | 04/06/22 10:26 | 04/08/22 10:11 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM3 | 04/06/22 10:26 | 04/08/22 10:11 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM3 | 04/06/22 10:26 | 04/08/22 10:11 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM3 | 04/06/22 10:26 | 04/08/22 10:11 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM3 | 04/06/22 10:26 | 04/08/22 10:11 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM3 | 04/06/22 10:26 | 04/08/22 10:11 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM3 | 04/06/22 10:26 | 04/08/22 10:11 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM3 | 04/06/22 10:26 | 04/08/22 10:11 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM3 | 04/06/22 10:26 | 04/08/22 10:11 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM3 | 04/06/22 10:26 | 04/08/22 10:11 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM3 | 04/06/22 10:26 | 04/08/22 10:11 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM4 | 04/06/22 10:59 | 04/08/22 10:33 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM4 | 04/06/22 10:59 | 04/08/22 10:33 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM4 | 04/06/22 10:59 | 04/08/22 10:33 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM4 | 04/06/22 10:59 | 04/08/22 10:33 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM4 | 04/06/22 10:59 | 04/08/22 10:33 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM4 | 04/06/22 10:59 | 04/08/22 10:33 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM4 | 04/06/22 10:59 | 04/08/22 10:33 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM4 | 04/06/22 10:59 | 04/08/22 10:33 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM4 | 04/06/22 10:59 | 04/08/22 10:33 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM4 | 04/06/22 10:59 | 04/08/22 10:33 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM4 | 04/06/22 10:59 | 04/08/22 10:33 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM4 | 04/06/22 10:59 | 04/08/22 10:33 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM4 | 04/06/22 10:59 | 04/08/22 10:33 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM4 | 04/06/22 10:59 | 04/08/22 10:33 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM4 | 04/06/22 10:59 | 04/08/22 10:33 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM4 | 04/06/22 10:59 | 04/08/22 10:33 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM4 | 04/06/22 10:59 | 04/08/22 10:33 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM4 | 04/06/22 10:59 | 04/08/22 10:33 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM5 | 04/06/22 10:44 | 04/08/22 10:24 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM5 | 04/06/22 10:44 | 04/08/22 10:24 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM5 | 04/06/22 10:44 | 04/08/22 10:24 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM5 | 04/06/22 10:44 | 04/08/22 10:24 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM5 | 04/06/22 10:44 | 04/08/22 10:24 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM5 | 04/06/22 10:44 | 04/08/22 10:24 | µg/m$^3$ | ND | 2.00* | Fluorene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM5 | 04/06/22 10:44 | 04/08/22 10:24 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM5 | 04/06/22 10:44 | 04/08/22 10:24 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM5 | 04/06/22 10:44 | 04/08/22 10:24 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM5 | 04/06/22 10:44 | 04/08/22 10:24 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM5 | 04/06/22 10:44 | 04/08/22 10:24 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM5 | 04/06/22 10:44 | 04/08/22 10:24 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM5 | 04/06/22 10:44 | 04/08/22 10:24 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM5 | 04/06/22 10:44 | 04/08/22 10:24 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM5 | 04/06/22 10:44 | 04/08/22 10:24 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM5 | 04/06/22 10:44 | 04/08/22 10:24 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM5 | 04/06/22 10:44 | 04/08/22 10:24 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM5 | 04/06/22 10:44 | 04/08/22 10:24 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM1 | 04/11/22 10:51 | 04/13/22 08:25 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM1 | 04/11/22 10:51 | 04/13/22 08:25 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM1 | 04/11/22 10:51 | 04/13/22 08:25 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM1 | 04/11/22 10:51 | 04/13/22 08:25 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM1 | 04/11/22 10:51 | 04/13/22 08:25 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM1 | 04/11/22 10:51 | 04/13/22 08:25 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM1 | 04/11/22 10:51 | 04/13/22 08:25 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM1 | 04/11/22 10:51 | 04/13/22 08:25 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM1 | 04/11/22 10:51 | 04/13/22 08:25 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM1 | 04/11/22 10:51 | 04/13/22 08:25 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM1 | 04/11/22 10:51 | 04/13/22 08:25 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM1 | 04/11/22 10:51 | 04/13/22 08:25 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM1 | 04/11/22 10:51 | 04/13/22 08:25 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM1 | 04/11/22 10:51 | 04/13/22 08:25 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM1 | 04/11/22 10:51 | 04/13/22 08:25 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM1 | 04/11/22 10:51 | 04/13/22 08:25 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM1 | 04/11/22 10:51 | 04/13/22 08:25 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM1 | 04/11/22 10:51 | 04/13/22 08:25 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM2 | 04/11/22 11:14 | 04/13/22 08:46 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM2 | 04/11/22 11:14 | 04/13/22 08:46 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM2 | 04/11/22 11:14 | 04/13/22 08:46 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM2 | 04/11/22 11:14 | 04/13/22 08:46 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM2 | 04/11/22 11:14 | 04/13/22 08:46 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM2 | 04/11/22 11:14 | 04/13/22 08:46 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM2 | 04/11/22 11:14 | 04/13/22 08:46 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM2 | 04/11/22 11:14 | 04/13/22 08:46 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM2 | 04/11/22 11:14 | 04/13/22 08:46 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM2 | 04/11/22 11:14 | 04/13/22 08:46 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM2 | 04/11/22 11:14 | 04/13/22 08:46 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM2 | 04/11/22 11:14 | 04/13/22 08:46 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM2 | 04/11/22 11:14 | 04/13/22 08:46 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM2 | 04/11/22 11:14 | 04/13/22 08:46 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM2 | 04/11/22 11:14 | 04/13/22 08:46 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM2 | 04/11/22 11:14 | 04/13/22 08:46 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM2 | 04/11/22 11:14 | 04/13/22 08:46 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM2 | 04/11/22 11:14 | 04/13/22 08:46 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM3 | 04/11/22 10:38 | 04/13/22 08:18 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM3 | 04/11/22 10:38 | 04/13/22 08:18 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM3 | 04/11/22 10:38 | 04/13/22 08:18 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM3 | 04/11/22 10:38 | 04/13/22 08:18 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM3 | 04/11/22 10:38 | 04/13/22 08:18 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM3 | 04/11/22 10:38 | 04/13/22 08:18 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM3 | 04/11/22 10:38 | 04/13/22 08:18 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM3 | 04/11/22 10:38 | 04/13/22 08:18 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM3 | 04/11/22 10:38 | 04/13/22 08:18 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM3 | 04/11/22 10:38 | 04/13/22 08:18 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM3 | 04/11/22 10:38 | 04/13/22 08:18 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM3 | 04/11/22 10:38 | 04/13/22 08:18 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM3 | 04/11/22 10:38 | 04/13/22 08:18 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM3 | 04/11/22 10:38 | 04/13/22 08:18 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM3 | 04/11/22 10:38 | 04/13/22 08:18 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM3 | 04/11/22 10:38 | 04/13/22 08:18 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM3 | 04/11/22 10:38 | 04/13/22 08:18 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM3 | 04/11/22 10:38 | 04/13/22 08:18 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM4 | 04/11/22 11:07 | 04/13/22 08:41 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM4 | 04/11/22 11:07 | 04/13/22 08:41 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM4 | 04/11/22 11:07 | 04/13/22 08:41 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM4 | 04/11/22 11:07 | 04/13/22 08:41 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM4 | 04/11/22 11:07 | 04/13/22 08:41 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM4 | 04/11/22 11:07 | 04/13/22 08:41 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM4 | 04/11/22 11:07 | 04/13/22 08:41 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM4 | 04/11/22 11:07 | 04/13/22 08:41 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM4 | 04/11/22 11:07 | 04/13/22 08:41 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM4 | 04/11/22 11:07 | 04/13/22 08:41 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM4 | 04/11/22 11:07 | 04/13/22 08:41 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM4 | 04/11/22 11:07 | 04/13/22 08:41 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM4 | 04/11/22 11:07 | 04/13/22 08:41 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM4 | 04/11/22 11:07 | 04/13/22 08:41 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM4 | 04/11/22 11:07 | 04/13/22 08:41 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM4 | 04/11/22 11:07 | 04/13/22 08:41 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM4 | 04/11/22 11:07 | 04/13/22 08:41 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM4 | 04/11/22 11:07 | 04/13/22 08:41 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM5 | 04/11/22 11:01 | 04/13/22 08:43 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM5 | 04/11/22 11:01 | 04/13/22 08:43 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM5 | 04/11/22 11:01 | 04/13/22 08:43 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM5 | 04/11/22 11:01 | 04/13/22 08:43 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM5 | 04/11/22 11:01 | 04/13/22 08:43 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM5 | 04/11/22 11:01 | 04/13/22 08:43 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM5 | 04/11/22 11:01 | 04/13/22 08:43 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM5 | 04/11/22 11:01 | 04/13/22 08:43 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM5 | 04/11/22 11:01 | 04/13/22 08:43 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM5 | 04/11/22 11:01 | 04/13/22 08:43 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM5 | 04/11/22 11:01 | 04/13/22 08:43 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM5 | 04/11/22 11:01 | 04/13/22 08:43 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM5 | 04/11/22 11:01 | 04/13/22 08:43 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM5 | 04/11/22 11:01 | 04/13/22 08:43 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM5 | 04/11/22 11:01 | 04/13/22 08:43 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM5 | 04/11/22 11:01 | 04/13/22 08:43 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM5 | 04/11/22 11:01 | 04/13/22 08:43 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM5 | 04/11/22 11:01 | 04/13/22 08:43 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM1 | 04/13/22 08:28 | 04/15/22 10:45 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM1 | 04/13/22 08:28 | 04/15/22 10:45 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM1 | 04/13/22 08:28 | 04/15/22 10:45 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM1 | 04/13/22 08:28 | 04/15/22 10:45 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM1 | 04/13/22 08:28 | 04/15/22 10:45 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM1 | 04/13/22 08:28 | 04/15/22 10:45 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM1 | 04/13/22 08:28 | 04/15/22 10:45 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM1 | 04/13/22 08:28 | 04/15/22 10:45 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM1 | 04/13/22 08:28 | 04/15/22 10:45 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM1 | 04/13/22 08:28 | 04/15/22 10:45 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM1 | 04/13/22 08:28 | 04/15/22 10:45 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM1 | 04/13/22 08:28 | 04/15/22 10:45 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM1 | 04/13/22 08:28 | 04/15/22 10:45 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM1 | 04/13/22 08:28 | 04/15/22 10:45 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM1 | 04/13/22 08:28 | 04/15/22 10:45 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM1 | 04/13/22 08:28 | 04/15/22 10:45 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM1 | 04/13/22 08:28 | 04/15/22 10:45 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM1 | 04/13/22 08:28 | 04/15/22 10:45 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM2 | 04/13/22 08:48 | 04/15/22 10:34 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM2 | 04/13/22 08:48 | 04/15/22 10:34 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM2 | 04/13/22 08:48 | 04/15/22 10:34 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM2 | 04/13/22 08:48 | 04/15/22 10:34 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM2 | 04/13/22 08:48 | 04/15/22 10:34 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM2 | 04/13/22 08:48 | 04/15/22 10:34 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM2 | 04/13/22 08:48 | 04/15/22 10:34 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM2 | 04/13/22 08:48 | 04/15/22 10:34 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM2 | 04/13/22 08:48 | 04/15/22 10:34 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM2 | 04/13/22 08:48 | 04/15/22 10:34 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM2 | 04/13/22 08:48 | 04/15/22 10:34 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM2 | 04/13/22 08:48 | 04/15/22 10:34 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM2 | 04/13/22 08:48 | 04/15/22 10:34 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM2 | 04/13/22 08:48 | 04/15/22 10:34 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM2 | 04/13/22 08:48 | 04/15/22 10:34 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM2 | 04/13/22 08:48 | 04/15/22 10:34 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM2 | 04/13/22 08:48 | 04/15/22 10:34 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM2 | 04/13/22 08:48 | 04/15/22 10:34 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM3 | 04/13/22 08:21 | 04/15/22 10:42 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM3 | 04/13/22 08:21 | 04/15/22 10:42 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM3 | 04/13/22 08:21 | 04/15/22 10:42 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM3 | 04/13/22 08:21 | 04/15/22 10:42 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM3 | 04/13/22 08:21 | 04/15/22 10:42 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM3 | 04/13/22 08:21 | 04/15/22 10:42 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM3 | 04/13/22 08:21 | 04/15/22 10:42 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM3 | 04/13/22 08:21 | 04/15/22 10:42 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM3 | 04/13/22 08:21 | 04/15/22 10:42 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM3 | 04/13/22 08:21 | 04/15/22 10:42 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM3 | 04/13/22 08:21 | 04/15/22 10:42 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM3 | 04/13/22 08:21 | 04/15/22 10:42 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM3 | 04/13/22 08:21 | 04/15/22 10:42 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM3 | 04/13/22 08:21 | 04/15/22 10:42 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM3 | 04/13/22 08:21 | 04/15/22 10:42 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM3 | 04/13/22 08:21 | 04/15/22 10:42 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM3 | 04/13/22 08:21 | 04/15/22 10:42 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM3 | 04/13/22 08:21 | 04/15/22 10:42 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM4 | 04/13/22 08:43 | 04/15/22 10:26 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM4 | 04/13/22 08:43 | 04/15/22 10:26 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM4 | 04/13/22 08:43 | 04/15/22 10:26 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM4 | 04/13/22 08:43 | 04/15/22 10:26 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM4 | 04/13/22 08:43 | 04/15/22 10:26 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM4 | 04/13/22 08:43 | 04/15/22 10:26 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM4 | 04/13/22 08:43 | 04/15/22 10:26 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM4 | 04/13/22 08:43 | 04/15/22 10:26 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM4 | 04/13/22 08:43 | 04/15/22 10:26 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM4 | 04/13/22 08:43 | 04/15/22 10:26 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM4 | 04/13/22 08:43 | 04/15/22 10:26 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM4 | 04/13/22 08:43 | 04/15/22 10:26 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM4 | 04/13/22 08:43 | 04/15/22 10:26 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM4 | 04/13/22 08:43 | 04/15/22 10:26 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM4 | 04/13/22 08:43 | 04/15/22 10:26 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM4 | 04/13/22 08:43 | 04/15/22 10:26 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM4 | 04/13/22 08:43 | 04/15/22 10:26 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM4 | 04/13/22 08:43 | 04/15/22 10:26 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM5 | 04/13/22 08:36 | 04/15/22 10:21 | µg/m$^3$ | ND | 2.00* | Naphthalene |
| SAM5 | 04/13/22 08:36 | 04/15/22 10:21 | µg/m$^3$ | ND | 2.00* | 2-Methylnaphthalene |
| SAM5 | 04/13/22 08:36 | 04/15/22 10:21 | µg/m$^3$ | ND | 2.00* | 2-Chloronaphthalene |
| SAM5 | 04/13/22 08:36 | 04/15/22 10:21 | µg/m$^3$ | ND | 2.00* | Acenaphthylene |
| SAM5 | 04/13/22 08:36 | 04/15/22 10:21 | µg/m$^3$ | ND | 2.00* | Acenaphthene |
| SAM5 | 04/13/22 08:36 | 04/15/22 10:21 | µg/m$^3$ | ND | 2.00* | Fluorene |
| SAM5 | 04/13/22 08:36 | 04/15/22 10:21 | µg/m$^3$ | ND | 2.00* | PheNDthrene |
| SAM5 | 04/13/22 08:36 | 04/15/22 10:21 | µg/m$^3$ | ND | 2.00* | Anthracene |
| SAM5 | 04/13/22 08:36 | 04/15/22 10:21 | µg/m$^3$ | ND | 2.00* | Fluoranthene |
| SAM5 | 04/13/22 08:36 | 04/15/22 10:21 | µg/m$^3$ | ND | 2.00* | Pyrene |
| SAM5 | 04/13/22 08:36 | 04/15/22 10:21 | µg/m$^3$ | ND | 2.00* | Chrysene |
| SAM5 | 04/13/22 08:36 | 04/15/22 10:21 | µg/m$^3$ | ND | 2.00* | Benzo(a)anthracene |
| SAM5 | 04/13/22 08:36 | 04/15/22 10:21 | µg/m$^3$ | ND | 2.00* | Benzo(b)fluoranthene |
| SAM5 | 04/13/22 08:36 | 04/15/22 10:21 | µg/m$^3$ | ND | 2.00* | Benzo(k)fluoranthene |
| SAM5 | 04/13/22 08:36 | 04/15/22 10:21 | µg/m$^3$ | ND | 2.00* | Benzo(a)pyrene |
| SAM5 | 04/13/22 08:36 | 04/15/22 10:21 | µg/m$^3$ | ND | 2.00* | Indeno(1,2,3-c,d)pyrene |
| SAM5 | 04/13/22 08:36 | 04/15/22 10:21 | µg/m$^3$ | ND | 2.00* | Dibenz(a,h)anthracene |
| SAM5 | 04/13/22 08:36 | 04/15/22 10:21 | µg/m$^3$ | ND | 2.00* | Benzo(g,h,i)perylene |
| SAM1 | 04/18/22 08:35 | 04/20/22 07:30 | µg/m$^3$ | ND | 1.99 | Naphthalene |
| SAM1 | 04/18/22 08:35 | 04/20/22 07:30 | µg/m$^3$ | ND | 1.99 | 2-Methylnaphthalene |
| SAM1 | 04/18/22 08:35 | 04/20/22 07:30 | µg/m$^3$ | ND | 1.99 | 2-Chloronaphthalene |
| SAM1 | 04/18/22 08:35 | 04/20/22 07:30 | µg/m$^3$ | ND | 1.99 | Acenaphthylene |
| SAM1 | 04/18/22 08:35 | 04/20/22 07:30 | µg/m$^3$ | ND | 1.99 | Acenaphthene |
| SAM1 | 04/18/22 08:35 | 04/20/22 07:30 | µg/m$^3$ | ND | 1.99 | Fluorene |
| SAM1 | 04/18/22 08:35 | 04/20/22 07:30 | µg/m$^3$ | ND | 1.99 | PheNDthrene |
| SAM1 | 04/18/22 08:35 | 04/20/22 07:30 | µg/m$^3$ | ND | 1.99 | Anthracene |
| SAM1 | 04/18/22 08:35 | 04/20/22 07:30 | µg/m$^3$ | ND | 1.99 | Fluoranthene |
| SAM1 | 04/18/22 08:35 | 04/20/22 07:30 | µg/m$^3$ | ND | 1.99 | Pyrene |
| SAM1 | 04/18/22 08:35 | 04/20/22 07:30 | µg/m$^3$ | ND | 1.99 | Chrysene |
| SAM1 | 04/18/22 08:35 | 04/20/22 07:30 | µg/m$^3$ | ND | 1.99 | Benzo(a)anthracene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM1 | 04/18/22 08:35 | 04/20/22 07:30 | µg/m$^3$ | ND | 1.99 | Benzo(b)fluoranthene |
| SAM1 | 04/18/22 08:35 | 04/20/22 07:30 | µg/m$^3$ | ND | 1.99 | Benzo(k)fluoranthene |
| SAM1 | 04/18/22 08:35 | 04/20/22 07:30 | µg/m$^3$ | ND | 1.99 | Benzo(a)pyrene |
| SAM1 | 04/18/22 08:35 | 04/20/22 07:30 | µg/m$^3$ | ND | 1.99 | Indeno(1,2,3-c,d)pyrene |
| SAM1 | 04/18/22 08:35 | 04/20/22 07:30 | µg/m$^3$ | ND | 1.99 | Dibenz(a,h)anthracene |
| SAM1 | 04/18/22 08:35 | 04/20/22 07:30 | µg/m$^3$ | ND | 1.99 | Benzo(g,h,i)perylene |
| SAM2 | 04/18/22 08:47 | 04/20/22 07:17 | µg/m$^3$ | ND | 1.97 | Naphthalene |
| SAM2 | 04/18/22 08:47 | 04/20/22 07:17 | µg/m$^3$ | ND | 1.97 | 2-Methylnaphthalene |
| SAM2 | 04/18/22 08:47 | 04/20/22 07:17 | µg/m$^3$ | ND | 1.97 | 2-Chloronaphthalene |
| SAM2 | 04/18/22 08:47 | 04/20/22 07:17 | µg/m$^3$ | ND | 1.97 | Acenaphthylene |
| SAM2 | 04/18/22 08:47 | 04/20/22 07:17 | µg/m$^3$ | ND | 1.97 | Acenaphthene |
| SAM2 | 04/18/22 08:47 | 04/20/22 07:17 | µg/m$^3$ | ND | 1.97 | Fluorene |
| SAM2 | 04/18/22 08:47 | 04/20/22 07:17 | µg/m$^3$ | ND | 1.97 | PheNDthrene |
| SAM2 | 04/18/22 08:47 | 04/20/22 07:17 | µg/m$^3$ | ND | 1.97 | Anthracene |
| SAM2 | 04/18/22 08:47 | 04/20/22 07:17 | µg/m$^3$ | ND | 1.97 | Fluoranthene |
| SAM2 | 04/18/22 08:47 | 04/20/22 07:17 | µg/m$^3$ | ND | 1.97 | Pyrene |
| SAM2 | 04/18/22 08:47 | 04/20/22 07:17 | µg/m$^3$ | ND | 1.97 | Chrysene |
| SAM2 | 04/18/22 08:47 | 04/20/22 07:17 | µg/m$^3$ | ND | 1.97 | Benzo(a)anthracene |
| SAM2 | 04/18/22 08:47 | 04/20/22 07:17 | µg/m$^3$ | ND | 1.97 | Benzo(b)fluoranthene |
| SAM2 | 04/18/22 08:47 | 04/20/22 07:17 | µg/m$^3$ | ND | 1.97 | Benzo(k)fluoranthene |
| SAM2 | 04/18/22 08:47 | 04/20/22 07:17 | µg/m$^3$ | ND | 1.97 | Benzo(a)pyrene |
| SAM2 | 04/18/22 08:47 | 04/20/22 07:17 | µg/m$^3$ | ND | 1.97 | Indeno(1,2,3-c,d)pyrene |
| SAM2 | 04/18/22 08:47 | 04/20/22 07:17 | µg/m$^3$ | ND | 1.97 | Dibenz(a,h)anthracene |
| SAM2 | 04/18/22 08:47 | 04/20/22 07:17 | µg/m$^3$ | ND | 1.97 | Benzo(g,h,i)perylene |
| SAM3 | 04/18/22 08:32 | 04/20/22 07:26 | µg/m$^3$ | ND | 2.03 | Naphthalene |
| SAM3 | 04/18/22 08:32 | 04/20/22 07:26 | µg/m$^3$ | ND | 2.03 | 2-Methylnaphthalene |
| SAM3 | 04/18/22 08:32 | 04/20/22 07:26 | µg/m$^3$ | ND | 2.03 | 2-Chloronaphthalene |
| SAM3 | 04/18/22 08:32 | 04/20/22 07:26 | µg/m$^3$ | ND | 2.03 | Acenaphthylene |
| SAM3 | 04/18/22 08:32 | 04/20/22 07:26 | µg/m$^3$ | ND | 2.03 | Acenaphthene |
| SAM3 | 04/18/22 08:32 | 04/20/22 07:26 | µg/m$^3$ | ND | 2.03 | Fluorene |
| SAM3 | 04/18/22 08:32 | 04/20/22 07:26 | µg/m$^3$ | ND | 2.03 | PheNDthrene |
| SAM3 | 04/18/22 08:32 | 04/20/22 07:26 | µg/m$^3$ | ND | 2.03 | Anthracene |
| SAM3 | 04/18/22 08:32 | 04/20/22 07:26 | µg/m$^3$ | ND | 2.03 | Fluoranthene |
| SAM3 | 04/18/22 08:32 | 04/20/22 07:26 | µg/m$^3$ | ND | 2.03 | Pyrene |
| SAM3 | 04/18/22 08:32 | 04/20/22 07:26 | µg/m$^3$ | ND | 2.03 | Chrysene |
| SAM3 | 04/18/22 08:32 | 04/20/22 07:26 | µg/m$^3$ | ND | 2.03 | Benzo(a)anthracene |
| SAM3 | 04/18/22 08:32 | 04/20/22 07:26 | µg/m$^3$ | ND | 2.03 | Benzo(b)fluoranthene |
| SAM3 | 04/18/22 08:32 | 04/20/22 07:26 | µg/m$^3$ | ND | 2.03 | Benzo(k)fluoranthene |
| SAM3 | 04/18/22 08:32 | 04/20/22 07:26 | µg/m$^3$ | ND | 2.03 | Benzo(a)pyrene |
| SAM3 | 04/18/22 08:32 | 04/20/22 07:26 | µg/m$^3$ | ND | 2.03 | Indeno(1,2,3-c,d)pyrene |
| SAM3 | 04/18/22 08:32 | 04/20/22 07:26 | µg/m$^3$ | ND | 2.03 | Dibenz(a,h)anthracene |
| SAM3 | 04/18/22 08:32 | 04/20/22 07:26 | µg/m$^3$ | ND | 2.03 | Benzo(g,h,i)perylene |
| SAM4 | 04/18/22 08:51 | 04/20/22 07:08 | µg/m$^3$ | ND | 1.97 | Naphthalene |
| SAM4 | 04/18/22 08:51 | 04/20/22 07:08 | µg/m$^3$ | ND | 1.97 | 2-Methylnaphthalene |
| SAM4 | 04/18/22 08:51 | 04/20/22 07:08 | µg/m$^3$ | ND | 1.97 | 2-Chloronaphthalene |
| SAM4 | 04/18/22 08:51 | 04/20/22 07:08 | µg/m$^3$ | ND | 1.97 | Acenaphthylene |
| SAM4 | 04/18/22 08:51 | 04/20/22 07:08 | µg/m$^3$ | ND | 1.97 | Acenaphthene |
| SAM4 | 04/18/22 08:51 | 04/20/22 07:08 | µg/m$^3$ | ND | 1.97 | Fluorene |
| SAM4 | 04/18/22 08:51 | 04/20/22 07:08 | µg/m$^3$ | ND | 1.97 | PheNDthrene |
| SAM4 | 04/18/22 08:51 | 04/20/22 07:08 | µg/m$^3$ | ND | 1.97 | Anthracene |
| SAM4 | 04/18/22 08:51 | 04/20/22 07:08 | µg/m$^3$ | ND | 1.97 | Fluoranthene |
| SAM4 | 04/18/22 08:51 | 04/20/22 07:08 | µg/m$^3$ | ND | 1.97 | Pyrene |
| SAM4 | 04/18/22 08:51 | 04/20/22 07:08 | µg/m$^3$ | ND | 1.97 | Chrysene |
| SAM4 | 04/18/22 08:51 | 04/20/22 07:08 | µg/m$^3$ | ND | 1.97 | Benzo(a)anthracene |
| SAM4 | 04/18/22 08:51 | 04/20/22 07:08 | µg/m$^3$ | ND | 1.97 | Benzo(b)fluoranthene |
| SAM4 | 04/18/22 08:51 | 04/20/22 07:08 | µg/m$^3$ | ND | 1.97 | Benzo(k)fluoranthene |
| SAM4 | 04/18/22 08:51 | 04/20/22 07:08 | µg/m$^3$ | ND | 1.97 | Benzo(a)pyrene |
| SAM4 | 04/18/22 08:51 | 04/20/22 07:08 | µg/m$^3$ | ND | 1.97 | Indeno(1,2,3-c,d)pyrene |
| SAM4 | 04/18/22 08:51 | 04/20/22 07:08 | µg/m$^3$ | ND | 1.97 | Dibenz(a,h)anthracene |
| SAM4 | 04/18/22 08:51 | 04/20/22 07:08 | µg/m$^3$ | ND | 1.97 | Benzo(g,h,i)perylene |
| SAM5 | 04/18/22 09:04 | 04/20/22 07:05 | µg/m$^3$ | ND | 1.98 | Naphthalene |
| SAM5 | 04/18/22 09:04 | 04/20/22 07:05 | µg/m$^3$ | ND | 1.98 | 2-Methylnaphthalene |
| SAM5 | 04/18/22 09:04 | 04/20/22 07:05 | µg/m$^3$ | ND | 1.98 | 2-Chloronaphthalene |
| SAM5 | 04/18/22 09:04 | 04/20/22 07:05 | µg/m$^3$ | ND | 1.98 | Acenaphthylene |
| SAM5 | 04/18/22 09:04 | 04/20/22 07:05 | µg/m$^3$ | ND | 1.98 | Acenaphthene |
| SAM5 | 04/18/22 09:04 | 04/20/22 07:05 | µg/m$^3$ | ND | 1.98 | Fluorene |
| SAM5 | 04/18/22 09:04 | 04/20/22 07:05 | µg/m$^3$ | ND | 1.98 | PheNDthrene |
| SAM5 | 04/18/22 09:04 | 04/20/22 07:05 | µg/m$^3$ | ND | 1.98 | Anthracene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM5 | 04/18/22 09:04 | 04/20/22 07:05 | µg/m$^3$ | ND | 1.98 | Fluoranthene |
| SAM5 | 04/18/22 09:04 | 04/20/22 07:05 | µg/m$^3$ | ND | 1.98 | Pyrene |
| SAM5 | 04/18/22 09:04 | 04/20/22 07:05 | µg/m$^3$ | ND | 1.98 | Chrysene |
| SAM5 | 04/18/22 09:04 | 04/20/22 07:05 | µg/m$^3$ | ND | 1.98 | Benzo(a)anthracene |
| SAM5 | 04/18/22 09:04 | 04/20/22 07:05 | µg/m$^3$ | ND | 1.98 | Benzo(b)fluoranthene |
| SAM5 | 04/18/22 09:04 | 04/20/22 07:05 | µg/m$^3$ | ND | 1.98 | Benzo(k)fluoranthene |
| SAM5 | 04/18/22 09:04 | 04/20/22 07:05 | µg/m$^3$ | ND | 1.98 | Benzo(a)pyrene |
| SAM5 | 04/18/22 09:04 | 04/20/22 07:05 | µg/m$^3$ | ND | 1.98 | Indeno(1,2,3-c,d)pyrene |
| SAM5 | 04/18/22 09:04 | 04/20/22 07:05 | µg/m$^3$ | ND | 1.98 | Dibenz(a,h)anthracene |
| SAM5 | 04/18/22 09:04 | 04/20/22 07:05 | µg/m$^3$ | ND | 1.98 | Benzo(g,h,i)perylene |
| SAM1 | 04/20/22 07:45 | 04/22/22 09:43 | µg/m$^3$ | ND | 1.99 | Naphthalene |
| SAM1 | 04/20/22 07:45 | 04/22/22 09:43 | µg/m$^3$ | ND | 1.99 | 2-Methylnaphthalene |
| SAM1 | 04/20/22 07:45 | 04/22/22 09:43 | µg/m$^3$ | ND | 1.99 | 2-Chloronaphthalene |
| SAM1 | 04/20/22 07:45 | 04/22/22 09:43 | µg/m$^3$ | ND | 1.99 | Acenaphthylene |
| SAM1 | 04/20/22 07:45 | 04/22/22 09:43 | µg/m$^3$ | ND | 1.99 | Acenaphthene |
| SAM1 | 04/20/22 07:45 | 04/22/22 09:43 | µg/m$^3$ | ND | 1.99 | Fluorene |
| SAM1 | 04/20/22 07:45 | 04/22/22 09:43 | µg/m$^3$ | ND | 1.99 | PheNDthrene |
| SAM1 | 04/20/22 07:45 | 04/22/22 09:43 | µg/m$^3$ | ND | 1.99 | Anthracene |
| SAM1 | 04/20/22 07:45 | 04/22/22 09:43 | µg/m$^3$ | ND | 1.99 | Fluoranthene |
| SAM1 | 04/20/22 07:45 | 04/22/22 09:43 | µg/m$^3$ | ND | 1.99 | Pyrene |
| SAM1 | 04/20/22 07:45 | 04/22/22 09:43 | µg/m$^3$ | ND | 1.99 | Chrysene |
| SAM1 | 04/20/22 07:45 | 04/22/22 09:43 | µg/m$^3$ | ND | 1.99 | Benzo(a)anthracene |
| SAM1 | 04/20/22 07:45 | 04/22/22 09:43 | µg/m$^3$ | ND | 1.99 | Benzo(b)fluoranthene |
| SAM1 | 04/20/22 07:45 | 04/22/22 09:43 | µg/m$^3$ | ND | 1.99 | Benzo(k)fluoranthene |
| SAM1 | 04/20/22 07:45 | 04/22/22 09:43 | µg/m$^3$ | ND | 1.99 | Benzo(a)pyrene |
| SAM1 | 04/20/22 07:45 | 04/22/22 09:43 | µg/m$^3$ | ND | 1.99 | Indeno(1,2,3-c,d)pyrene |
| SAM1 | 04/20/22 07:45 | 04/22/22 09:43 | µg/m$^3$ | ND | 1.99 | Dibenz(a,h)anthracene |
| SAM1 | 04/20/22 07:45 | 04/22/22 09:43 | µg/m$^3$ | ND | 1.99 | Benzo(g,h,i)perylene |
| SAM2 | 04/20/22 07:50 | 04/22/22 09:36 | µg/m$^3$ | ND | 2.02 | Naphthalene |
| SAM2 | 04/20/22 07:50 | 04/22/22 09:36 | µg/m$^3$ | ND | 2.02 | 2-Methylnaphthalene |
| SAM2 | 04/20/22 07:50 | 04/22/22 09:36 | µg/m$^3$ | ND | 2.02 | 2-Chloronaphthalene |
| SAM2 | 04/20/22 07:50 | 04/22/22 09:36 | µg/m$^3$ | ND | 2.02 | Acenaphthylene |
| SAM2 | 04/20/22 07:50 | 04/22/22 09:36 | µg/m$^3$ | ND | 2.02 | Acenaphthene |
| SAM2 | 04/20/22 07:50 | 04/22/22 09:36 | µg/m$^3$ | ND | 2.02 | Fluorene |
| SAM2 | 04/20/22 07:50 | 04/22/22 09:36 | µg/m$^3$ | ND | 2.02 | PheNDthrene |
| SAM2 | 04/20/22 07:50 | 04/22/22 09:36 | µg/m$^3$ | ND | 2.02 | Anthracene |
| SAM2 | 04/20/22 07:50 | 04/22/22 09:36 | µg/m$^3$ | ND | 2.02 | Fluoranthene |
| SAM2 | 04/20/22 07:50 | 04/22/22 09:36 | µg/m$^3$ | ND | 2.02 | Pyrene |
| SAM2 | 04/20/22 07:50 | 04/22/22 09:36 | µg/m$^3$ | ND | 2.02 | Chrysene |
| SAM2 | 04/20/22 07:50 | 04/22/22 09:36 | µg/m$^3$ | ND | 2.02 | Benzo(a)anthracene |
| SAM2 | 04/20/22 07:50 | 04/22/22 09:36 | µg/m$^3$ | ND | 2.02 | Benzo(b)fluoranthene |
| SAM2 | 04/20/22 07:50 | 04/22/22 09:36 | µg/m$^3$ | ND | 2.02 | Benzo(k)fluoranthene |
| SAM2 | 04/20/22 07:50 | 04/22/22 09:36 | µg/m$^3$ | ND | 2.02 | Benzo(a)pyrene |
| SAM2 | 04/20/22 07:50 | 04/22/22 09:36 | µg/m$^3$ | ND | 2.02 | Indeno(1,2,3-c,d)pyrene |
| SAM2 | 04/20/22 07:50 | 04/22/22 09:36 | µg/m$^3$ | ND | 2.02 | Dibenz(a,h)anthracene |
| SAM2 | 04/20/22 07:50 | 04/22/22 09:36 | µg/m$^3$ | ND | 2.02 | Benzo(g,h,i)perylene |
| SAM3 | 04/20/22 07:42 | 04/22/22 09:39 | µg/m$^3$ | ND | 1.99 | Naphthalene |
| SAM3 | 04/20/22 07:42 | 04/22/22 09:39 | µg/m$^3$ | ND | 1.99 | 2-Methylnaphthalene |
| SAM3 | 04/20/22 07:42 | 04/22/22 09:39 | µg/m$^3$ | ND | 1.99 | 2-Chloronaphthalene |
| SAM3 | 04/20/22 07:42 | 04/22/22 09:39 | µg/m$^3$ | ND | 1.99 | Acenaphthylene |
| SAM3 | 04/20/22 07:42 | 04/22/22 09:39 | µg/m$^3$ | ND | 1.99 | Acenaphthene |
| SAM3 | 04/20/22 07:42 | 04/22/22 09:39 | µg/m$^3$ | ND | 1.99 | Fluorene |
| SAM3 | 04/20/22 07:42 | 04/22/22 09:39 | µg/m$^3$ | ND | 1.99 | PheNDthrene |
| SAM3 | 04/20/22 07:42 | 04/22/22 09:39 | µg/m$^3$ | ND | 1.99 | Anthracene |
| SAM3 | 04/20/22 07:42 | 04/22/22 09:39 | µg/m$^3$ | ND | 1.99 | Fluoranthene |
| SAM3 | 04/20/22 07:42 | 04/22/22 09:39 | µg/m$^3$ | ND | 1.99 | Pyrene |
| SAM3 | 04/20/22 07:42 | 04/22/22 09:39 | µg/m$^3$ | ND | 1.99 | Chrysene |
| SAM3 | 04/20/22 07:42 | 04/22/22 09:39 | µg/m$^3$ | ND | 1.99 | Benzo(a)anthracene |
| SAM3 | 04/20/22 07:42 | 04/22/22 09:39 | µg/m$^3$ | ND | 1.99 | Benzo(b)fluoranthene |
| SAM3 | 04/20/22 07:42 | 04/22/22 09:39 | µg/m$^3$ | ND | 1.99 | Benzo(k)fluoranthene |
| SAM3 | 04/20/22 07:42 | 04/22/22 09:39 | µg/m$^3$ | ND | 1.99 | Benzo(a)pyrene |
| SAM3 | 04/20/22 07:42 | 04/22/22 09:39 | µg/m$^3$ | ND | 1.99 | Indeno(1,2,3-c,d)pyrene |
| SAM3 | 04/20/22 07:42 | 04/22/22 09:39 | µg/m$^3$ | ND | 1.99 | Dibenz(a,h)anthracene |
| SAM3 | 04/20/22 07:42 | 04/22/22 09:39 | µg/m$^3$ | ND | 1.99 | Benzo(g,h,i)perylene |
| SAM4 | 04/20/22 07:51 | 04/22/22 09:06 | µg/m$^3$ | ND | 2.02 | Naphthalene |
| SAM4 | 04/20/22 07:51 | 04/22/22 09:06 | µg/m$^3$ | ND | 2.02 | 2-Methylnaphthalene |
| SAM4 | 04/20/22 07:51 | 04/22/22 09:06 | µg/m$^3$ | ND | 2.02 | 2-Chloronaphthalene |
| SAM4 | 04/20/22 07:51 | 04/22/22 09:06 | µg/m$^3$ | ND | 2.02 | Acenaphthylene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM4 | 04/20/22 07:51 | 04/22/22 09:06 | µg/m$^3$ | ND | 2.02 | Acenaphthene |
| SAM4 | 04/20/22 07:51 | 04/22/22 09:06 | µg/m$^3$ | ND | 2.02 | Fluorene |
| SAM4 | 04/20/22 07:51 | 04/22/22 09:06 | µg/m$^3$ | ND | 2.02 | PheNDthrene |
| SAM4 | 04/20/22 07:51 | 04/22/22 09:06 | µg/m$^3$ | ND | 2.02 | Anthracene |
| SAM4 | 04/20/22 07:51 | 04/22/22 09:06 | µg/m$^3$ | ND | 2.02 | Fluoranthene |
| SAM4 | 04/20/22 07:51 | 04/22/22 09:06 | µg/m$^3$ | ND | 2.02 | Pyrene |
| SAM4 | 04/20/22 07:51 | 04/22/22 09:06 | µg/m$^3$ | ND | 2.02 | Chrysene |
| SAM4 | 04/20/22 07:51 | 04/22/22 09:06 | µg/m$^3$ | ND | 2.02 | Benzo(a)anthracene |
| SAM4 | 04/20/22 07:51 | 04/22/22 09:06 | µg/m$^3$ | ND | 2.02 | Benzo(b)fluoranthene |
| SAM4 | 04/20/22 07:51 | 04/22/22 09:06 | µg/m$^3$ | ND | 2.02 | Benzo(k)fluoranthene |
| SAM4 | 04/20/22 07:51 | 04/22/22 09:06 | µg/m$^3$ | ND | 2.02 | Benzo(a)pyrene |
| SAM4 | 04/20/22 07:51 | 04/22/22 09:06 | µg/m$^3$ | ND | 2.02 | Indeno(1,2,3-c,d)pyrene |
| SAM4 | 04/20/22 07:51 | 04/22/22 09:06 | µg/m$^3$ | ND | 2.02 | Dibenz(a,h)anthracene |
| SAM4 | 04/20/22 07:51 | 04/22/22 09:06 | µg/m$^3$ | ND | 2.02 | Benzo(g,h,i)perylene |
| SAM5 | 04/20/22 07:55 | 04/22/22 09:02 | µg/m$^3$ | ND | 2.02 | Naphthalene |
| SAM5 | 04/20/22 07:55 | 04/22/22 09:02 | µg/m$^3$ | ND | 2.02 | 2-Methylnaphthalene |
| SAM5 | 04/20/22 07:55 | 04/22/22 09:02 | µg/m$^3$ | ND | 2.02 | 2-Chloronaphthalene |
| SAM5 | 04/20/22 07:55 | 04/22/22 09:02 | µg/m$^3$ | ND | 2.02 | Acenaphthylene |
| SAM5 | 04/20/22 07:55 | 04/22/22 09:02 | µg/m$^3$ | ND | 2.02 | Acenaphthene |
| SAM5 | 04/20/22 07:55 | 04/22/22 09:02 | µg/m$^3$ | ND | 2.02 | Fluorene |
| SAM5 | 04/20/22 07:55 | 04/22/22 09:02 | µg/m$^3$ | ND | 2.02 | PheNDthrene |
| SAM5 | 04/20/22 07:55 | 04/22/22 09:02 | µg/m$^3$ | ND | 2.02 | Anthracene |
| SAM5 | 04/20/22 07:55 | 04/22/22 09:02 | µg/m$^3$ | ND | 2.02 | Fluoranthene |
| SAM5 | 04/20/22 07:55 | 04/22/22 09:02 | µg/m$^3$ | ND | 2.02 | Pyrene |
| SAM5 | 04/20/22 07:55 | 04/22/22 09:02 | µg/m$^3$ | ND | 2.02 | Chrysene |
| SAM5 | 04/20/22 07:55 | 04/22/22 09:02 | µg/m$^3$ | ND | 2.02 | Benzo(a)anthracene |
| SAM5 | 04/20/22 07:55 | 04/22/22 09:02 | µg/m$^3$ | ND | 2.02 | Benzo(b)fluoranthene |
| SAM5 | 04/20/22 07:55 | 04/22/22 09:02 | µg/m$^3$ | ND | 2.02 | Benzo(k)fluoranthene |
| SAM5 | 04/20/22 07:55 | 04/22/22 09:02 | µg/m$^3$ | ND | 2.02 | Benzo(a)pyrene |
| SAM5 | 04/20/22 07:55 | 04/22/22 09:02 | µg/m$^3$ | ND | 2.02 | Indeno(1,2,3-c,d)pyrene |
| SAM5 | 04/20/22 07:55 | 04/22/22 09:02 | µg/m$^3$ | ND | 2.02 | Dibenz(a,h)anthracene |
| SAM5 | 04/20/22 07:55 | 04/22/22 09:02 | µg/m$^3$ | ND | 2.02 | Benzo(g,h,i)perylene |
| SAM1 | 04/25/22 08:05 | 04/27/22 08:12 | µg/m$^3$ | ND | 1.99 | Naphthalene |
| SAM1 | 04/25/22 08:05 | 04/27/22 08:12 | µg/m$^3$ | ND | 1.99 | 2-Methylnaphthalene |
| SAM1 | 04/25/22 08:05 | 04/27/22 08:12 | µg/m$^3$ | ND | 1.99 | 2-Chloronaphthalene |
| SAM1 | 04/25/22 08:05 | 04/27/22 08:12 | µg/m$^3$ | ND | 1.99 | Acenaphthylene |
| SAM1 | 04/25/22 08:05 | 04/27/22 08:12 | µg/m$^3$ | ND | 1.99 | Acenaphthene |
| SAM1 | 04/25/22 08:05 | 04/27/22 08:12 | µg/m$^3$ | ND | 1.99 | Fluorene |
| SAM1 | 04/25/22 08:05 | 04/27/22 08:12 | µg/m$^3$ | ND | 1.99 | PheNDthrene |
| SAM1 | 04/25/22 08:05 | 04/27/22 08:12 | µg/m$^3$ | ND | 1.99 | Anthracene |
| SAM1 | 04/25/22 08:05 | 04/27/22 08:12 | µg/m$^3$ | ND | 1.99 | Fluoranthene |
| SAM1 | 04/25/22 08:05 | 04/27/22 08:12 | µg/m$^3$ | ND | 1.99 | Pyrene |
| SAM1 | 04/25/22 08:05 | 04/27/22 08:12 | µg/m$^3$ | ND | 1.99 | Chrysene |
| SAM1 | 04/25/22 08:05 | 04/27/22 08:12 | µg/m$^3$ | ND | 1.99 | Benzo(a)anthracene |
| SAM1 | 04/25/22 08:05 | 04/27/22 08:12 | µg/m$^3$ | ND | 1.99 | Benzo(b)fluoranthene |
| SAM1 | 04/25/22 08:05 | 04/27/22 08:12 | µg/m$^3$ | ND | 1.99 | Benzo(k)fluoranthene |
| SAM1 | 04/25/22 08:05 | 04/27/22 08:12 | µg/m$^3$ | ND | 1.99 | Benzo(a)pyrene |
| SAM1 | 04/25/22 08:05 | 04/27/22 08:12 | µg/m$^3$ | ND | 1.99 | Indeno(1,2,3-c,d)pyrene |
| SAM1 | 04/25/22 08:05 | 04/27/22 08:12 | µg/m$^3$ | ND | 1.99 | Dibenz(a,h)anthracene |
| SAM1 | 04/25/22 08:05 | 04/27/22 08:12 | µg/m$^3$ | ND | 1.99 | Benzo(g,h,i)perylene |
| SAM2 | 04/25/22 08:13 | 04/27/22 08:22 | µg/m$^3$ | ND | 2.01 | Naphthalene |
| SAM2 | 04/25/22 08:13 | 04/27/22 08:22 | µg/m$^3$ | ND | 2.01 | 2-Methylnaphthalene |
| SAM2 | 04/25/22 08:13 | 04/27/22 08:22 | µg/m$^3$ | ND | 2.01 | 2-Chloronaphthalene |
| SAM2 | 04/25/22 08:13 | 04/27/22 08:22 | µg/m$^3$ | ND | 2.01 | Acenaphthylene |
| SAM2 | 04/25/22 08:13 | 04/27/22 08:22 | µg/m$^3$ | ND | 2.01 | Acenaphthene |
| SAM2 | 04/25/22 08:13 | 04/27/22 08:22 | µg/m$^3$ | ND | 2.01 | Fluorene |
| SAM2 | 04/25/22 08:13 | 04/27/22 08:22 | µg/m$^3$ | ND | 2.01 | PheNDthrene |
| SAM2 | 04/25/22 08:13 | 04/27/22 08:22 | µg/m$^3$ | ND | 2.01 | Anthracene |
| SAM2 | 04/25/22 08:13 | 04/27/22 08:22 | µg/m$^3$ | ND | 2.01 | Fluoranthene |
| SAM2 | 04/25/22 08:13 | 04/27/22 08:22 | µg/m$^3$ | ND | 2.01 | Pyrene |
| SAM2 | 04/25/22 08:13 | 04/27/22 08:22 | µg/m$^3$ | ND | 2.01 | Chrysene |
| SAM2 | 04/25/22 08:13 | 04/27/22 08:22 | µg/m$^3$ | ND | 2.01 | Benzo(a)anthracene |
| SAM2 | 04/25/22 08:13 | 04/27/22 08:22 | µg/m$^3$ | ND | 2.01 | Benzo(b)fluoranthene |
| SAM2 | 04/25/22 08:13 | 04/27/22 08:22 | µg/m$^3$ | ND | 2.01 | Benzo(k)fluoranthene |
| SAM2 | 04/25/22 08:13 | 04/27/22 08:22 | µg/m$^3$ | ND | 2.01 | Benzo(a)pyrene |
| SAM2 | 04/25/22 08:13 | 04/27/22 08:22 | µg/m$^3$ | ND | 2.01 | Indeno(1,2,3-c,d)pyrene |
| SAM2 | 04/25/22 08:13 | 04/27/22 08:22 | µg/m$^3$ | ND | 2.01 | Dibenz(a,h)anthracene |
| SAM2 | 04/25/22 08:13 | 04/27/22 08:22 | µg/m$^3$ | ND | 2.01 | Benzo(g,h,i)perylene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM3 | 04/25/22 08:00 | 04/27/22 08:04 | µg/m$^3$ | ND | 2.02 | Naphthalene |
| SAM3 | 04/25/22 08:00 | 04/27/22 08:04 | µg/m$^3$ | ND | 2.02 | 2-Methylnaphthalene |
| SAM3 | 04/25/22 08:00 | 04/27/22 08:04 | µg/m$^3$ | ND | 2.02 | 2-Chloronaphthalene |
| SAM3 | 04/25/22 08:00 | 04/27/22 08:04 | µg/m$^3$ | ND | 2.02 | Acenaphthylene |
| SAM3 | 04/25/22 08:00 | 04/27/22 08:04 | µg/m$^3$ | ND | 2.02 | Acenaphthene |
| SAM3 | 04/25/22 08:00 | 04/27/22 08:04 | µg/m$^3$ | ND | 2.02 | Fluorene |
| SAM3 | 04/25/22 08:00 | 04/27/22 08:04 | µg/m$^3$ | ND | 2.02 | PheNDthrene |
| SAM3 | 04/25/22 08:00 | 04/27/22 08:04 | µg/m$^3$ | ND | 2.02 | Anthracene |
| SAM3 | 04/25/22 08:00 | 04/27/22 08:04 | µg/m$^3$ | ND | 2.02 | Fluoranthene |
| SAM3 | 04/25/22 08:00 | 04/27/22 08:04 | µg/m$^3$ | ND | 2.02 | Pyrene |
| SAM3 | 04/25/22 08:00 | 04/27/22 08:04 | µg/m$^3$ | ND | 2.02 | Chrysene |
| SAM3 | 04/25/22 08:00 | 04/27/22 08:04 | µg/m$^3$ | ND | 2.02 | Benzo(a)anthracene |
| SAM3 | 04/25/22 08:00 | 04/27/22 08:04 | µg/m$^3$ | ND | 2.02 | Benzo(b)fluoranthene |
| SAM3 | 04/25/22 08:00 | 04/27/22 08:04 | µg/m$^3$ | ND | 2.02 | Benzo(k)fluoranthene |
| SAM3 | 04/25/22 08:00 | 04/27/22 08:04 | µg/m$^3$ | ND | 2.02 | Benzo(a)pyrene |
| SAM3 | 04/25/22 08:00 | 04/27/22 08:04 | µg/m$^3$ | ND | 2.02 | Indeno(1,2,3-c,d)pyrene |
| SAM3 | 04/25/22 08:00 | 04/27/22 08:04 | µg/m$^3$ | ND | 2.02 | Dibenz(a,h)anthracene |
| SAM3 | 04/25/22 08:00 | 04/27/22 08:04 | µg/m$^3$ | ND | 2.02 | Benzo(g,h,i)perylene |
| SAM4 | 04/25/22 08:20 | 04/27/22 08:27 | µg/m$^3$ | ND | 2.02 | Naphthalene |
| SAM4 | 04/25/22 08:20 | 04/27/22 08:27 | µg/m$^3$ | ND | 2.02 | 2-Methylnaphthalene |
| SAM4 | 04/25/22 08:20 | 04/27/22 08:27 | µg/m$^3$ | ND | 2.02 | 2-Chloronaphthalene |
| SAM4 | 04/25/22 08:20 | 04/27/22 08:27 | µg/m$^3$ | ND | 2.02 | Acenaphthylene |
| SAM4 | 04/25/22 08:20 | 04/27/22 08:27 | µg/m$^3$ | ND | 2.02 | Acenaphthene |
| SAM4 | 04/25/22 08:20 | 04/27/22 08:27 | µg/m$^3$ | ND | 2.02 | Fluorene |
| SAM4 | 04/25/22 08:20 | 04/27/22 08:27 | µg/m$^3$ | ND | 2.02 | PheNDthrene |
| SAM4 | 04/25/22 08:20 | 04/27/22 08:27 | µg/m$^3$ | ND | 2.02 | Anthracene |
| SAM4 | 04/25/22 08:20 | 04/27/22 08:27 | µg/m$^3$ | ND | 2.02 | Fluoranthene |
| SAM4 | 04/25/22 08:20 | 04/27/22 08:27 | µg/m$^3$ | ND | 2.02 | Pyrene |
| SAM4 | 04/25/22 08:20 | 04/27/22 08:27 | µg/m$^3$ | ND | 2.02 | Chrysene |
| SAM4 | 04/25/22 08:20 | 04/27/22 08:27 | µg/m$^3$ | ND | 2.02 | Benzo(a)anthracene |
| SAM4 | 04/25/22 08:20 | 04/27/22 08:27 | µg/m$^3$ | ND | 2.02 | Benzo(b)fluoranthene |
| SAM4 | 04/25/22 08:20 | 04/27/22 08:27 | µg/m$^3$ | ND | 2.02 | Benzo(k)fluoranthene |
| SAM4 | 04/25/22 08:20 | 04/27/22 08:27 | µg/m$^3$ | ND | 2.02 | Benzo(a)pyrene |
| SAM4 | 04/25/22 08:20 | 04/27/22 08:27 | µg/m$^3$ | ND | 2.02 | Indeno(1,2,3-c,d)pyrene |
| SAM4 | 04/25/22 08:20 | 04/27/22 08:27 | µg/m$^3$ | ND | 2.02 | Dibenz(a,h)anthracene |
| SAM4 | 04/25/22 08:20 | 04/27/22 08:27 | µg/m$^3$ | ND | 2.02 | Benzo(g,h,i)perylene |
| SAM5 | 04/25/22 08:31 | 04/27/22 08:38 | µg/m$^3$ | ND | 2.02 | Naphthalene |
| SAM5 | 04/25/22 08:31 | 04/27/22 08:38 | µg/m$^3$ | ND | 2.02 | 2-Methylnaphthalene |
| SAM5 | 04/25/22 08:31 | 04/27/22 08:38 | µg/m$^3$ | ND | 2.02 | 2-Chloronaphthalene |
| SAM5 | 04/25/22 08:31 | 04/27/22 08:38 | µg/m$^3$ | ND | 2.02 | Acenaphthylene |
| SAM5 | 04/25/22 08:31 | 04/27/22 08:38 | µg/m$^3$ | ND | 2.02 | Acenaphthene |
| SAM5 | 04/25/22 08:31 | 04/27/22 08:38 | µg/m$^3$ | ND | 2.02 | Fluorene |
| SAM5 | 04/25/22 08:31 | 04/27/22 08:38 | µg/m$^3$ | ND | 2.02 | PheNDthrene |
| SAM5 | 04/25/22 08:31 | 04/27/22 08:38 | µg/m$^3$ | ND | 2.02 | Anthracene |
| SAM5 | 04/25/22 08:31 | 04/27/22 08:38 | µg/m$^3$ | ND | 2.02 | Fluoranthene |
| SAM5 | 04/25/22 08:31 | 04/27/22 08:38 | µg/m$^3$ | ND | 2.02 | Pyrene |
| SAM5 | 04/25/22 08:31 | 04/27/22 08:38 | µg/m$^3$ | ND | 2.02 | Chrysene |
| SAM5 | 04/25/22 08:31 | 04/27/22 08:38 | µg/m$^3$ | ND | 2.02 | Benzo(a)anthracene |
| SAM5 | 04/25/22 08:31 | 04/27/22 08:38 | µg/m$^3$ | ND | 2.02 | Benzo(b)fluoranthene |
| SAM5 | 04/25/22 08:31 | 04/27/22 08:38 | µg/m$^3$ | ND | 2.02 | Benzo(k)fluoranthene |
| SAM5 | 04/25/22 08:31 | 04/27/22 08:38 | µg/m$^3$ | ND | 2.02 | Benzo(a)pyrene |
| SAM5 | 04/25/22 08:31 | 04/27/22 08:38 | µg/m$^3$ | ND | 2.02 | Indeno(1,2,3-c,d)pyrene |
| SAM5 | 04/25/22 08:31 | 04/27/22 08:38 | µg/m$^3$ | ND | 2.02 | Dibenz(a,h)anthracene |
| SAM5 | 04/25/22 08:31 | 04/27/22 08:38 | µg/m$^3$ | ND | 2.02 | Benzo(g,h,i)perylene |
| SAM1 | 04/27/22 08:15 | 04/29/22 08:27 | µg/m$^3$ | ND | 1.99 | Naphthalene |
| SAM1 | 04/27/22 08:15 | 04/29/22 08:27 | µg/m$^3$ | ND | 1.99 | 2-Methylnaphthalene |
| SAM1 | 04/27/22 08:15 | 04/29/22 08:27 | µg/m$^3$ | ND | 1.99 | 2-Chloronaphthalene |
| SAM1 | 04/27/22 08:15 | 04/29/22 08:27 | µg/m$^3$ | ND | 1.99 | Acenaphthylene |
| SAM1 | 04/27/22 08:15 | 04/29/22 08:27 | µg/m$^3$ | ND | 1.99 | Acenaphthene |
| SAM1 | 04/27/22 08:15 | 04/29/22 08:27 | µg/m$^3$ | ND | 1.99 | Fluorene |
| SAM1 | 04/27/22 08:15 | 04/29/22 08:27 | µg/m$^3$ | ND | 1.99 | PheNDthrene |
| SAM1 | 04/27/22 08:15 | 04/29/22 08:27 | µg/m$^3$ | ND | 1.99 | Anthracene |
| SAM1 | 04/27/22 08:15 | 04/29/22 08:27 | µg/m$^3$ | ND | 1.99 | Fluoranthene |
| SAM1 | 04/27/22 08:15 | 04/29/22 08:27 | µg/m$^3$ | ND | 1.99 | Pyrene |
| SAM1 | 04/27/22 08:15 | 04/29/22 08:27 | µg/m$^3$ | ND | 1.99 | Chrysene |
| SAM1 | 04/27/22 08:15 | 04/29/22 08:27 | µg/m$^3$ | ND | 1.99 | Benzo(a)anthracene |
| SAM1 | 04/27/22 08:15 | 04/29/22 08:27 | µg/m$^3$ | ND | 1.99 | Benzo(b)fluoranthene |
| SAM1 | 04/27/22 08:15 | 04/29/22 08:27 | µg/m$^3$ | ND | 1.99 | Benzo(k)fluoranthene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM1 | 04/27/22 08:15 | 04/29/22 08:27 | µg/m$^3$ | ND | 1.99 | Benzo(a)pyrene |
| SAM1 | 04/27/22 08:15 | 04/29/22 08:27 | µg/m$^3$ | ND | 1.99 | Indeno(1,2,3-c,d)pyrene |
| SAM1 | 04/27/22 08:15 | 04/29/22 08:27 | µg/m$^3$ | ND | 1.99 | Dibenz(a,h)anthracene |
| SAM1 | 04/27/22 08:15 | 04/29/22 08:27 | µg/m$^3$ | ND | 1.99 | Benzo(g,h,i)perylene |
| SAM2 | 04/27/22 08:25 | 04/29/22 08:38 | µg/m$^3$ | ND | 2.01 | Naphthalene |
| SAM2 | 04/27/22 08:25 | 04/29/22 08:38 | µg/m$^3$ | ND | 2.01 | 2-Methylnaphthalene |
| SAM2 | 04/27/22 08:25 | 04/29/22 08:38 | µg/m$^3$ | ND | 2.01 | 2-Chloronaphthalene |
| SAM2 | 04/27/22 08:25 | 04/29/22 08:38 | µg/m$^3$ | ND | 2.01 | Acenaphthylene |
| SAM2 | 04/27/22 08:25 | 04/29/22 08:38 | µg/m$^3$ | ND | 2.01 | Acenaphthene |
| SAM2 | 04/27/22 08:25 | 04/29/22 08:38 | µg/m$^3$ | ND | 2.01 | Fluorene |
| SAM2 | 04/27/22 08:25 | 04/29/22 08:38 | µg/m$^3$ | ND | 2.01 | PheNDthrene |
| SAM2 | 04/27/22 08:25 | 04/29/22 08:38 | µg/m$^3$ | ND | 2.01 | Anthracene |
| SAM2 | 04/27/22 08:25 | 04/29/22 08:38 | µg/m$^3$ | ND | 2.01 | Fluoranthene |
| SAM2 | 04/27/22 08:25 | 04/29/22 08:38 | µg/m$^3$ | ND | 2.01 | Pyrene |
| SAM2 | 04/27/22 08:25 | 04/29/22 08:38 | µg/m$^3$ | ND | 2.01 | Chrysene |
| SAM2 | 04/27/22 08:25 | 04/29/22 08:38 | µg/m$^3$ | ND | 2.01 | Benzo(a)anthracene |
| SAM2 | 04/27/22 08:25 | 04/29/22 08:38 | µg/m$^3$ | ND | 2.01 | Benzo(b)fluoranthene |
| SAM2 | 04/27/22 08:25 | 04/29/22 08:38 | µg/m$^3$ | ND | 2.01 | Benzo(k)fluoranthene |
| SAM2 | 04/27/22 08:25 | 04/29/22 08:38 | µg/m$^3$ | ND | 2.01 | Benzo(a)pyrene |
| SAM2 | 04/27/22 08:25 | 04/29/22 08:38 | µg/m$^3$ | ND | 2.01 | Indeno(1,2,3-c,d)pyrene |
| SAM2 | 04/27/22 08:25 | 04/29/22 08:38 | µg/m$^3$ | ND | 2.01 | Dibenz(a,h)anthracene |
| SAM2 | 04/27/22 08:25 | 04/29/22 08:38 | µg/m$^3$ | ND | 2.01 | Benzo(g,h,i)perylene |
| SAM3 | 04/27/22 08:08 | 04/29/22 08:20 | µg/m$^3$ | ND | 2.02 | Naphthalene |
| SAM3 | 04/27/22 08:08 | 04/29/22 08:20 | µg/m$^3$ | ND | 2.02 | 2-Methylnaphthalene |
| SAM3 | 04/27/22 08:08 | 04/29/22 08:20 | µg/m$^3$ | ND | 2.02 | 2-Chloronaphthalene |
| SAM3 | 04/27/22 08:08 | 04/29/22 08:20 | µg/m$^3$ | ND | 2.02 | Acenaphthylene |
| SAM3 | 04/27/22 08:08 | 04/29/22 08:20 | µg/m$^3$ | ND | 2.02 | Acenaphthene |
| SAM3 | 04/27/22 08:08 | 04/29/22 08:20 | µg/m$^3$ | ND | 2.02 | Fluorene |
| SAM3 | 04/27/22 08:08 | 04/29/22 08:20 | µg/m$^3$ | ND | 2.02 | PheNDthrene |
| SAM3 | 04/27/22 08:08 | 04/29/22 08:20 | µg/m$^3$ | ND | 2.02 | Anthracene |
| SAM3 | 04/27/22 08:08 | 04/29/22 08:20 | µg/m$^3$ | ND | 2.02 | Fluoranthene |
| SAM3 | 04/27/22 08:08 | 04/29/22 08:20 | µg/m$^3$ | ND | 2.02 | Pyrene |
| SAM3 | 04/27/22 08:08 | 04/29/22 08:20 | µg/m$^3$ | ND | 2.02 | Chrysene |
| SAM3 | 04/27/22 08:08 | 04/29/22 08:20 | µg/m$^3$ | ND | 2.02 | Benzo(a)anthracene |
| SAM3 | 04/27/22 08:08 | 04/29/22 08:20 | µg/m$^3$ | ND | 2.02 | Benzo(b)fluoranthene |
| SAM3 | 04/27/22 08:08 | 04/29/22 08:20 | µg/m$^3$ | ND | 2.02 | Benzo(k)fluoranthene |
| SAM3 | 04/27/22 08:08 | 04/29/22 08:20 | µg/m$^3$ | ND | 2.02 | Benzo(a)pyrene |
| SAM3 | 04/27/22 08:08 | 04/29/22 08:20 | µg/m$^3$ | ND | 2.02 | Indeno(1,2,3-c,d)pyrene |
| SAM3 | 04/27/22 08:08 | 04/29/22 08:20 | µg/m$^3$ | ND | 2.02 | Dibenz(a,h)anthracene |
| SAM3 | 04/27/22 08:08 | 04/29/22 08:20 | µg/m$^3$ | ND | 2.02 | Benzo(g,h,i)perylene |
| SAM4 | 04/27/22 08:29 | 04/29/22 08:43 | µg/m$^3$ | ND | 2.02 | Naphthalene |
| SAM4 | 04/27/22 08:29 | 04/29/22 08:43 | µg/m$^3$ | ND | 2.02 | 2-Methylnaphthalene |
| SAM4 | 04/27/22 08:29 | 04/29/22 08:43 | µg/m$^3$ | ND | 2.02 | 2-Chloronaphthalene |
| SAM4 | 04/27/22 08:29 | 04/29/22 08:43 | µg/m$^3$ | ND | 2.02 | Acenaphthylene |
| SAM4 | 04/27/22 08:29 | 04/29/22 08:43 | µg/m$^3$ | ND | 2.02 | Acenaphthene |
| SAM4 | 04/27/22 08:29 | 04/29/22 08:43 | µg/m$^3$ | ND | 2.02 | Fluorene |
| SAM4 | 04/27/22 08:29 | 04/29/22 08:43 | µg/m$^3$ | ND | 2.02 | PheNDthrene |
| SAM4 | 04/27/22 08:29 | 04/29/22 08:43 | µg/m$^3$ | ND | 2.02 | Anthracene |
| SAM4 | 04/27/22 08:29 | 04/29/22 08:43 | µg/m$^3$ | ND | 2.02 | Fluoranthene |
| SAM4 | 04/27/22 08:29 | 04/29/22 08:43 | µg/m$^3$ | ND | 2.02 | Pyrene |
| SAM4 | 04/27/22 08:29 | 04/29/22 08:43 | µg/m$^3$ | ND | 2.02 | Chrysene |
| SAM4 | 04/27/22 08:29 | 04/29/22 08:43 | µg/m$^3$ | ND | 2.02 | Benzo(a)anthracene |
| SAM4 | 04/27/22 08:29 | 04/29/22 08:43 | µg/m$^3$ | ND | 2.02 | Benzo(b)fluoranthene |
| SAM4 | 04/27/22 08:29 | 04/29/22 08:43 | µg/m$^3$ | ND | 2.02 | Benzo(k)fluoranthene |
| SAM4 | 04/27/22 08:29 | 04/29/22 08:43 | µg/m$^3$ | ND | 2.02 | Benzo(a)pyrene |
| SAM4 | 04/27/22 08:29 | 04/29/22 08:43 | µg/m$^3$ | ND | 2.02 | Indeno(1,2,3-c,d)pyrene |
| SAM4 | 04/27/22 08:29 | 04/29/22 08:43 | µg/m$^3$ | ND | 2.02 | Dibenz(a,h)anthracene |
| SAM4 | 04/27/22 08:29 | 04/29/22 08:43 | µg/m$^3$ | ND | 2.02 | Benzo(g,h,i)perylene |
| SAM5 | 04/27/22 08:42 | 04/29/22 08:53 | µg/m$^3$ | ND | 2.02 | Naphthalene |
| SAM5 | 04/27/22 08:42 | 04/29/22 08:53 | µg/m$^3$ | ND | 2.02 | 2-Methylnaphthalene |
| SAM5 | 04/27/22 08:42 | 04/29/22 08:53 | µg/m$^3$ | ND | 2.02 | 2-Chloronaphthalene |
| SAM5 | 04/27/22 08:42 | 04/29/22 08:53 | µg/m$^3$ | ND | 2.02 | Acenaphthylene |
| SAM5 | 04/27/22 08:42 | 04/29/22 08:53 | µg/m$^3$ | ND | 2.02 | Acenaphthene |
| SAM5 | 04/27/22 08:42 | 04/29/22 08:53 | µg/m$^3$ | ND | 2.02 | Fluorene |
| SAM5 | 04/27/22 08:42 | 04/29/22 08:53 | µg/m$^3$ | ND | 2.02 | PheNDthrene |
| SAM5 | 04/27/22 08:42 | 04/29/22 08:53 | µg/m$^3$ | ND | 2.02 | Anthracene |
| SAM5 | 04/27/22 08:42 | 04/29/22 08:53 | µg/m$^3$ | ND | 2.02 | Fluoranthene |
| SAM5 | 04/27/22 08:42 | 04/29/22 08:53 | µg/m$^3$ | ND | 2.02 | Pyrene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM5 | 04/27/22 08:42 | 04/29/22 08:53 | µg/m$^3$ | ND | 2.02 | Chrysene |
| SAM5 | 04/27/22 08:42 | 04/29/22 08:53 | µg/m$^3$ | ND | 2.02 | Benzo(a)anthracene |
| SAM5 | 04/27/22 08:42 | 04/29/22 08:53 | µg/m$^3$ | ND | 2.02 | Benzo(b)fluoranthene |
| SAM5 | 04/27/22 08:42 | 04/29/22 08:53 | µg/m$^3$ | ND | 2.02 | Benzo(k)fluoranthene |
| SAM5 | 04/27/22 08:42 | 04/29/22 08:53 | µg/m$^3$ | ND | 2.02 | Benzo(a)pyrene |
| SAM5 | 04/27/22 08:42 | 04/29/22 08:53 | µg/m$^3$ | ND | 2.02 | Indeno(1,2,3-c,d)pyrene |
| SAM5 | 04/27/22 08:42 | 04/29/22 08:53 | µg/m$^3$ | ND | 2.02 | Dibenz(a,h)anthracene |
| SAM5 | 04/27/22 08:42 | 04/29/22 08:53 | µg/m$^3$ | ND | 2.02 | Benzo(g,h,i)perylene |
| SAM1 | 04/29/22 11:15 | 05/02/22 08:10 | µg/m$^3$ | ND | 2.02 | Naphthalene |
| SAM1 | 04/29/22 11:15 | 05/02/22 08:10 | µg/m$^3$ | ND | 2.02 | 2-Methylnaphthalene |
| SAM1 | 04/29/22 11:15 | 05/02/22 08:10 | µg/m$^3$ | ND | 2.02 | 2-Chloronaphthalene |
| SAM1 | 04/29/22 11:15 | 05/02/22 08:10 | µg/m$^3$ | ND | 2.02 | Acenaphthylene |
| SAM1 | 04/29/22 11:15 | 05/02/22 08:10 | µg/m$^3$ | ND | 2.02 | Acenaphthene |
| SAM1 | 04/29/22 11:15 | 05/02/22 08:10 | µg/m$^3$ | ND | 2.02 | Fluorene |
| SAM1 | 04/29/22 11:15 | 05/02/22 08:10 | µg/m$^3$ | ND | 2.02 | PheNDthrene |
| SAM1 | 04/29/22 11:15 | 05/02/22 08:10 | µg/m$^3$ | ND | 2.02 | Anthracene |
| SAM1 | 04/29/22 11:15 | 05/02/22 08:10 | µg/m$^3$ | ND | 2.02 | Fluoranthene |
| SAM1 | 04/29/22 11:15 | 05/02/22 08:10 | µg/m$^3$ | ND | 2.02 | Pyrene |
| SAM1 | 04/29/22 11:15 | 05/02/22 08:10 | µg/m$^3$ | ND | 2.02 | Chrysene |
| SAM1 | 04/29/22 11:15 | 05/02/22 08:10 | µg/m$^3$ | ND | 2.02 | Benzo(a)anthracene |
| SAM1 | 04/29/22 11:15 | 05/02/22 08:10 | µg/m$^3$ | ND | 2.02 | Benzo(b)fluoranthene |
| SAM1 | 04/29/22 11:15 | 05/02/22 08:10 | µg/m$^3$ | ND | 2.02 | Benzo(k)fluoranthene |
| SAM1 | 04/29/22 11:15 | 05/02/22 08:10 | µg/m$^3$ | ND | 2.02 | Benzo(a)pyrene |
| SAM1 | 04/29/22 11:15 | 05/02/22 08:10 | µg/m$^3$ | ND | 2.02 | Indeno(1,2,3-c,d)pyrene |
| SAM1 | 04/29/22 11:15 | 05/02/22 08:10 | µg/m$^3$ | ND | 2.02 | Dibenz(a,h)anthracene |
| SAM1 | 04/29/22 11:15 | 05/02/22 08:10 | µg/m$^3$ | ND | 2.02 | Benzo(g,h,i)perylene |
| SAM2 | 04/29/22 11:23 | 05/02/22 08:22 | µg/m$^3$ | ND | 2.02 | Naphthalene |
| SAM2 | 04/29/22 11:23 | 05/02/22 08:22 | µg/m$^3$ | ND | 2.02 | 2-Methylnaphthalene |
| SAM2 | 04/29/22 11:23 | 05/02/22 08:22 | µg/m$^3$ | ND | 2.02 | 2-Chloronaphthalene |
| SAM2 | 04/29/22 11:23 | 05/02/22 08:22 | µg/m$^3$ | ND | 2.02 | Acenaphthylene |
| SAM2 | 04/29/22 11:23 | 05/02/22 08:22 | µg/m$^3$ | ND | 2.02 | Acenaphthene |
| SAM2 | 04/29/22 11:23 | 05/02/22 08:22 | µg/m$^3$ | ND | 2.02 | Fluorene |
| SAM2 | 04/29/22 11:23 | 05/02/22 08:22 | µg/m$^3$ | ND | 2.02 | PheNDthrene |
| SAM2 | 04/29/22 11:23 | 05/02/22 08:22 | µg/m$^3$ | ND | 2.02 | Anthracene |
| SAM2 | 04/29/22 11:23 | 05/02/22 08:22 | µg/m$^3$ | ND | 2.02 | Fluoranthene |
| SAM2 | 04/29/22 11:23 | 05/02/22 08:22 | µg/m$^3$ | ND | 2.02 | Pyrene |
| SAM2 | 04/29/22 11:23 | 05/02/22 08:22 | µg/m$^3$ | ND | 2.02 | Chrysene |
| SAM2 | 04/29/22 11:23 | 05/02/22 08:22 | µg/m$^3$ | ND | 2.02 | Benzo(a)anthracene |
| SAM2 | 04/29/22 11:23 | 05/02/22 08:22 | µg/m$^3$ | ND | 2.02 | Benzo(b)fluoranthene |
| SAM2 | 04/29/22 11:23 | 05/02/22 08:22 | µg/m$^3$ | ND | 2.02 | Benzo(k)fluoranthene |
| SAM2 | 04/29/22 11:23 | 05/02/22 08:22 | µg/m$^3$ | ND | 2.02 | Benzo(a)pyrene |
| SAM2 | 04/29/22 11:23 | 05/02/22 08:22 | µg/m$^3$ | ND | 2.02 | Indeno(1,2,3-c,d)pyrene |
| SAM2 | 04/29/22 11:23 | 05/02/22 08:22 | µg/m$^3$ | ND | 2.02 | Dibenz(a,h)anthracene |
| SAM2 | 04/29/22 11:23 | 05/02/22 08:22 | µg/m$^3$ | ND | 2.02 | Benzo(g,h,i)perylene |
| SAM3 | 04/29/22 11:19 | 05/02/22 08:05 | µg/m$^3$ | ND | 2.02 | Naphthalene |
| SAM3 | 04/29/22 11:19 | 05/02/22 08:05 | µg/m$^3$ | ND | 2.02 | 2-Methylnaphthalene |
| SAM3 | 04/29/22 11:19 | 05/02/22 08:05 | µg/m$^3$ | ND | 2.02 | 2-Chloronaphthalene |
| SAM3 | 04/29/22 11:19 | 05/02/22 08:05 | µg/m$^3$ | ND | 2.02 | Acenaphthylene |
| SAM3 | 04/29/22 11:19 | 05/02/22 08:05 | µg/m$^3$ | ND | 2.02 | Acenaphthene |
| SAM3 | 04/29/22 11:19 | 05/02/22 08:05 | µg/m$^3$ | ND | 2.02 | Fluorene |
| SAM3 | 04/29/22 11:19 | 05/02/22 08:05 | µg/m$^3$ | ND | 2.02 | PheNDthrene |
| SAM3 | 04/29/22 11:19 | 05/02/22 08:05 | µg/m$^3$ | ND | 2.02 | Anthracene |
| SAM3 | 04/29/22 11:19 | 05/02/22 08:05 | µg/m$^3$ | ND | 2.02 | Fluoranthene |
| SAM3 | 04/29/22 11:19 | 05/02/22 08:05 | µg/m$^3$ | ND | 2.02 | Pyrene |
| SAM3 | 04/29/22 11:19 | 05/02/22 08:05 | µg/m$^3$ | ND | 2.02 | Chrysene |
| SAM3 | 04/29/22 11:19 | 05/02/22 08:05 | µg/m$^3$ | ND | 2.02 | Benzo(a)anthracene |
| SAM3 | 04/29/22 11:19 | 05/02/22 08:05 | µg/m$^3$ | ND | 2.02 | Benzo(b)fluoranthene |
| SAM3 | 04/29/22 11:19 | 05/02/22 08:05 | µg/m$^3$ | ND | 2.02 | Benzo(k)fluoranthene |
| SAM3 | 04/29/22 11:19 | 05/02/22 08:05 | µg/m$^3$ | ND | 2.02 | Benzo(a)pyrene |
| SAM3 | 04/29/22 11:19 | 05/02/22 08:05 | µg/m$^3$ | ND | 2.02 | Indeno(1,2,3-c,d)pyrene |
| SAM3 | 04/29/22 11:19 | 05/02/22 08:05 | µg/m$^3$ | ND | 2.02 | Dibenz(a,h)anthracene |
| SAM3 | 04/29/22 11:19 | 05/02/22 08:05 | µg/m$^3$ | ND | 2.02 | Benzo(g,h,i)perylene |
| SAM4 | 04/29/22 11:25 | 05/02/22 08:27 | µg/m$^3$ | ND | 2.02 | Naphthalene |
| SAM4 | 04/29/22 11:25 | 05/02/22 08:27 | µg/m$^3$ | ND | 2.02 | 2-Methylnaphthalene |
| SAM4 | 04/29/22 11:25 | 05/02/22 08:27 | µg/m$^3$ | ND | 2.02 | 2-Chloronaphthalene |
| SAM4 | 04/29/22 11:25 | 05/02/22 08:27 | µg/m$^3$ | ND | 2.02 | Acenaphthylene |
| SAM4 | 04/29/22 11:25 | 05/02/22 08:27 | µg/m$^3$ | ND | 2.02 | Acenaphthene |
| SAM4 | 04/29/22 11:25 | 05/02/22 08:27 | µg/m$^3$ | ND | 2.02 | Fluorene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# TIME-AVERAGED SEMI-VOLATILE AND CONDENSED-PHASE ORGANIC COMPOUND DATA (TO-13A)

| Sample | | | Units | Results | Sample Flow | Compound Name |
|---|---|---|---|---|---|---|
| Location | Start Date/Time | End Date/Time | | | | |
| SAM4 | 04/29/22 11:25 | 05/02/22 08:27 | µg/m$^3$ | ND | 2.02 | PheNDthrene |
| SAM4 | 04/29/22 11:25 | 05/02/22 08:27 | µg/m$^3$ | ND | 2.02 | Anthracene |
| SAM4 | 04/29/22 11:25 | 05/02/22 08:27 | µg/m$^3$ | ND | 2.02 | Fluoranthene |
| SAM4 | 04/29/22 11:25 | 05/02/22 08:27 | µg/m$^3$ | ND | 2.02 | Pyrene |
| SAM4 | 04/29/22 11:25 | 05/02/22 08:27 | µg/m$^3$ | ND | 2.02 | Chrysene |
| SAM4 | 04/29/22 11:25 | 05/02/22 08:27 | µg/m$^3$ | ND | 2.02 | Benzo(a)anthracene |
| SAM4 | 04/29/22 11:25 | 05/02/22 08:27 | µg/m$^3$ | ND | 2.02 | Benzo(b)fluoranthene |
| SAM4 | 04/29/22 11:25 | 05/02/22 08:27 | µg/m$^3$ | ND | 2.02 | Benzo(k)fluoranthene |
| SAM4 | 04/29/22 11:25 | 05/02/22 08:27 | µg/m$^3$ | ND | 2.02 | Benzo(a)pyrene |
| SAM4 | 04/29/22 11:25 | 05/02/22 08:27 | µg/m$^3$ | ND | 2.02 | Indeno(1,2,3-c,d)pyrene |
| SAM4 | 04/29/22 11:25 | 05/02/22 08:27 | µg/m$^3$ | ND | 2.02 | Dibenz(a,h)anthracene |
| SAM4 | 04/29/22 11:25 | 05/02/22 08:27 | µg/m$^3$ | ND | 2.02 | Benzo(g,h,i)perylene |
| SAM5 | 04/29/22 11:30 | 05/02/22 08:38 | µg/m$^3$ | ND | 2.02 | Naphthalene |
| SAM5 | 04/29/22 11:30 | 05/02/22 08:38 | µg/m$^3$ | ND | 2.02 | 2-Methylnaphthalene |
| SAM5 | 04/29/22 11:30 | 05/02/22 08:38 | µg/m$^3$ | ND | 2.02 | 2-Chloronaphthalene |
| SAM5 | 04/29/22 11:30 | 05/02/22 08:38 | µg/m$^3$ | ND | 2.02 | Acenaphthylene |
| SAM5 | 04/29/22 11:30 | 05/02/22 08:38 | µg/m$^3$ | ND | 2.02 | Acenaphthene |
| SAM5 | 04/29/22 11:30 | 05/02/22 08:38 | µg/m$^3$ | ND | 2.02 | Fluorene |
| SAM5 | 04/29/22 11:30 | 05/02/22 08:38 | µg/m$^3$ | ND | 2.02 | PheNDthrene |
| SAM5 | 04/29/22 11:30 | 05/02/22 08:38 | µg/m$^3$ | ND | 2.02 | Anthracene |
| SAM5 | 04/29/22 11:30 | 05/02/22 08:38 | µg/m$^3$ | ND | 2.02 | Fluoranthene |
| SAM5 | 04/29/22 11:30 | 05/02/22 08:38 | µg/m$^3$ | ND | 2.02 | Pyrene |
| SAM5 | 04/29/22 11:30 | 05/02/22 08:38 | µg/m$^3$ | ND | 2.02 | Chrysene |
| SAM5 | 04/29/22 11:30 | 05/02/22 08:38 | µg/m$^3$ | ND | 2.02 | Benzo(a)anthracene |
| SAM5 | 04/29/22 11:30 | 05/02/22 08:38 | µg/m$^3$ | ND | 2.02 | Benzo(b)fluoranthene |
| SAM5 | 04/29/22 11:30 | 05/02/22 08:38 | µg/m$^3$ | ND | 2.02 | Benzo(k)fluoranthene |
| SAM5 | 04/29/22 11:30 | 05/02/22 08:38 | µg/m$^3$ | ND | 2.02 | Benzo(a)pyrene |
| SAM5 | 04/29/22 11:30 | 05/02/22 08:38 | µg/m$^3$ | ND | 2.02 | Indeno(1,2,3-c,d)pyrene |
| SAM5 | 04/29/22 11:30 | 05/02/22 08:38 | µg/m$^3$ | ND | 2.02 | Dibenz(a,h)anthracene |
| SAM5 | 04/29/22 11:30 | 05/02/22 08:38 | µg/m$^3$ | ND | 2.02 | Benzo(g,h,i)perylene |

ND = Non-Detect

* = Missing QC documentation.
Nominal flow of 2 LPM and nominal time of 2880 minutes used for calculation.

# APPENDIX E LABORATORY ANALYTICAL REPORTS (METHOD 325B)

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1/5/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th Street
Project #:
Workorder #: 2112414

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 12/16/2021 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by EPA Method 325B are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Kathleen Kaneko

Project Manager

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# WORK ORDER #: 2112414

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 012633-1107 |
| **FAX:** | | **PROJECT #** | Champaign 5th Street |
| **DATE RECEIVED:** | 12/16/2021 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 01/05/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 211203-15-SAM2 | EPA Method 325B |
| 02A | 211203-15-SAM4 | EPA Method 325B |
| 03A | 211203-15-SAM5 | EPA Method 325B |
| 04A | 211203-15-SAM3 | EPA Method 325B |
| 05A | 211203-15-SAM1 | EPA Method 325B |
| 06A | Lab Blank | EPA Method 325B |
| 07A | CCV | EPA Method 325B |

CERTIFIED BY: DATE: 01/05/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

*This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.*

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**ATM EPA 325B**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2112414**

Five Carbopack X CAMSCO samples were received on December 16, 2021. The laboratory performed the analysis via EPA Method 325B using GC/MS in the full scan mode.

The mass of each target compound adsorbed by the sampler was converted to units of concentration using the sample deployment time and the uptake rate for each VOC. Uptake rates are adjusted for local conditions and concentrations are reported based on normal ambient temperature and pressure conditions (25 deg C and 760 mm Hg) following the required calculations in EPA Method 325B. These adjustments are reflected in the dilution factor.

## Receiving Notes

There were no receiving discrepancies.

## Analytical Notes

There were no analytical discrepancies.

## Definition of Data Qualifying Flags

The following qualifiers may have been used on the data analysis sheets and indicate as follows:

B - Compound present in field blank(s) greater than 1/3 the compliance limit or measured target analyte (background subtraction not performed).
J - Estimated value - analyte detected between the Method Detection Limit and Reporting Limit.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the MDL value.
I - Internal Standard recovery outside acceptance limits
P - Field Duplicate(s) exceed 30%RPD
Pc- Field Duplicate(s) exceed 30%RPD, concentrations of sample and/or its duplicate less than 2 times reporting limit.
Pl - Field Duplicate(s) exceed 30%RPD, lab error noted.
L - Recovery of bracketing CCV(s) exceeded acceptance limits.
H - Sample analyzed outside of method hold time.
D - Sample duration outside 14+/-1 days
Fe - Field Error or discrepancy
Te - Tube Error or discrepancy
CN - See case narrative explanation.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# EPA METHOD 325B GC/MS FULL SCAN

**Client Sample ID: 211203-15-SAM2**

**Lab ID#: 2112414-01A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.60 | 0.24 U |
| Benzene | 0.44 | 0.62 |
| Toluene | 0.58 | 0.52 J |
| Ethyl Benzene | 0.65 | 0.33 U |
| m,p-Xylene | 0.65 | 0.33 U |
| o-Xylene | 0.65 | 0.33 U |

**Client Sample ID: 211203-15-SAM4**

**Lab ID#: 2112414-02A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.60 | 0.24 U |
| Benzene | 0.44 | 0.62 |
| Toluene | 0.58 | 0.60 |
| Ethyl Benzene | 0.65 | 0.33 U |
| m,p-Xylene | 0.65 | 0.33 U |
| o-Xylene | 0.65 | 0.33 U |

**Client Sample ID: 211203-15-SAM5**

**Lab ID#: 2112414-03A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.60 | 0.24 U |
| Benzene | 0.44 | 0.77 |
| Toluene | 0.58 | 0.66 |
| Ethyl Benzene | 0.65 | 0.33 U |
| m,p-Xylene | 0.65 | 0.33 U |
| o-Xylene | 0.65 | 0.33 U |

**Client Sample ID: 211203-15-SAM3**

**Lab ID#: 2112414-04A**

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# Summary of Detected Compounds
# EPA METHOD 325B GC/MS FULL SCAN

**Client Sample ID: 211203-15-SAM3**

**Lab ID#: 2112414-04A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.60 | 0.24 U |
| Benzene | 0.44 | 0.52 |
| Toluene | 0.58 | 0.63 |
| Ethyl Benzene | 0.65 | 0.33 U |
| m,p-Xylene | 0.65 | 0.33 U |
| o-Xylene | 0.65 | 0.33 U |

**Client Sample ID: 211203-15-SAM1**

**Lab ID#: 2112414-05A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.60 | 0.24 U |
| Benzene | 0.44 | 0.55 |
| Toluene | 0.58 | 0.63 |
| Ethyl Benzene | 0.65 | 0.33 U |
| m,p-Xylene | 0.65 | 0.33 U |
| o-Xylene | 0.65 | 0.33 U |

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**Client Sample ID: 211203-15-SAM2**

**Lab ID#: 2112414-01A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f122305** | **Date of Collection: 12/15/21 1:25:00 PM** |
| **Dil. Factor:** | **1.04** | **Date of Analysis: 12/23/21 06:09 PM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.60 | 0.24 U |
| Benzene | 0.44 | 0.62 |
| Toluene | 0.58 | 0.52 J |
| Ethyl Benzene | 0.65 | 0.33 U |
| m,p-Xylene | 0.65 | 0.33 U |
| o-Xylene | 0.65 | 0.33 U |

U = The analyte was not present above the Method Detection Limit.
J = Estimated value.
**Container Type: Carbopack X CAMSCO**

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**Client Sample ID: 211203-15-SAM4**

**Lab ID#: 2112414-02A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f122306** | **Date of Collection: 12/15/21 1:22:00 PM** |
| **Dil. Factor:** | **1.04** | **Date of Analysis: 12/23/21 06:41 PM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.60 | 0.24 U |
| Benzene | 0.44 | 0.62 |
| Toluene | 0.58 | 0.60 |
| Ethyl Benzene | 0.65 | 0.33 U |
| m,p-Xylene | 0.65 | 0.33 U |
| o-Xylene | 0.65 | 0.33 U |

U = The analyte was not present above the Method Detection Limit.

**Container Type: Carbopack X CAMSCO**

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**Client Sample ID: 211203-15-SAM5**

**Lab ID#: 2112414-03A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f122307** | **Date of Collection: 12/15/21 1:15:00 PM** |
| **Dil. Factor:** | **1.04** | **Date of Analysis: 12/23/21 07:12 PM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.60 | 0.24 U |
| Benzene | 0.44 | 0.77 |
| Toluene | 0.58 | 0.66 |
| Ethyl Benzene | 0.65 | 0.33 U |
| m,p-Xylene | 0.65 | 0.33 U |
| o-Xylene | 0.65 | 0.33 U |

U = The analyte was not present above the Method Detection Limit.

**Container Type: Carbopack X CAMSCO**

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**Client Sample ID: 211203-15-SAM3**

**Lab ID#: 2112414-04A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f122308** | **Date of Collection: 12/15/21 1:32:00 PM** |
| **Dil. Factor:** | **1.04** | **Date of Analysis: 12/23/21 07:46 PM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.60 | 0.24 U |
| Benzene | 0.44 | 0.52 |
| Toluene | 0.58 | 0.63 |
| Ethyl Benzene | 0.65 | 0.33 U |
| m,p-Xylene | 0.65 | 0.33 U |
| o-Xylene | 0.65 | 0.33 U |

U = The analyte was not present above the Method Detection Limit.

**Container Type: Carbopack X CAMSCO**

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**Client Sample ID: 211203-15-SAM1**

**Lab ID#: 2112414-05A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f122309** | **Date of Collection: 12/15/21 1:30:00 PM** |
| **Dil. Factor:** | **1.04** | **Date of Analysis: 12/23/21 08:20 PM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.60 | 0.24 U |
| Benzene | 0.44 | 0.55 |
| Toluene | 0.58 | 0.63 |
| Ethyl Benzene | 0.65 | 0.33 U |
| m,p-Xylene | 0.65 | 0.33 U |
| o-Xylene | 0.65 | 0.33 U |

U = The analyte was not present above the Method Detection Limit.

**Container Type: Carbopack X CAMSCO**

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**Client Sample ID: Lab Blank**

**Lab ID#: 2112414-06A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **f122304** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/23/21 05:33 PM** | |
| | | **Date of Extraction: NA** | |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.58 | 0.23 U |
| Benzene | 0.43 | 0.22 U |
| Toluene | 0.56 | 0.28 U |
| Ethyl Benzene | 0.63 | 0.32 U |
| m,p-Xylene | 0.63 | 0.32 U |
| o-Xylene | 0.63 | 0.32 U |

U = The analyte was not present above the Method Detection Limit.

**Container Type: NA - Not Applicable**

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**Client Sample ID: CCV**

**Lab ID#: 2112414-07A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f122315** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/23/21 11:40 PM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Styrene | 94 |
| Benzene | 104 |
| Toluene | 100 |
| Ethyl Benzene | 102 |
| m,p-Xylene | 96 |
| o-Xylene | 96 |

**Container Type: NA - Not Applicable**

eurofins | Air Toxics

1/18/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th Street
Project #:
Workorder #: 2201060

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 1/3/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by EPA Method 325B are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

eurofins | Air Toxics

# WORK ORDER #: 2201060

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 022633-1107 |
| **FAX:** | | **PROJECT #** | Champaign 5th Street |
| **DATE RECEIVED:** | 01/03/2022 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 01/18/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 211215-29-SAM1 | EPA Method 325B |
| 02A | 211215-29-SAM2 | EPA Method 325B |
| 03A | 211215-29-SAM3 | EPA Method 325B |
| 04A | 211215-29-SAM4 | EPA Method 325B |
| 05A | 211215-29-SAM5 | EPA Method 325B |
| 06A | Lab Blank | EPA Method 325B |
| 07A | CCV | EPA Method 325B |
| 07B | CCV | EPA Method 325B |

CERTIFIED BY: DATE: 01/18/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**ATM EPA 325B**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2201060**

Five Carbopack X CAMSCO samples were received on January 03, 2022. The laboratory performed the analysis via EPA Method 325B using GC/MS in the full scan mode.

The mass of each target compound adsorbed by the sampler was converted to units of concentration using the sample deployment time and the uptake rate for each VOC. Uptake rates are adjusted for local conditions and concentrations are reported based on normal ambient temperature and pressure conditions (25 deg C and 760 mm Hg) following the required calculations in EPA Method 325B. These adjustments are reflected in the dilution factor.

## Receiving Notes

There were no receiving discrepancies.

## Analytical Notes

The bracketing continuing calibration verification (CCV) for all samples recovered above the method limits of 70-130%. However, recovery was high and associated samples were below the method detection limit. Target compound non-detects in samples that are associated with high bias in QC analyses have not been flagged.

## Definition of Data Qualifying Flags

The following qualifiers may have been used on the data analysis sheets and indicate as follows:

B - Compound present in field blank(s) greater than 1/3 the compliance limit or measured target analyte (background subtraction not performed).
J - Estimated value - analyte detected between the Method Detection Limit and Reporting Limit.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the MDL value.
I - Internal Standard recovery outside acceptance limits
P - Field Duplicate(s) exceed 30%RPD
Pc- Field Duplicate(s) exceed 30%RPD, concentrations of sample and/or its duplicate less than 2 times reporting limit.
Pl - Field Duplicate(s) exceed 30%RPD, lab error noted.
L - Recovery of bracketing CCV(s) exceeded acceptance limits.
H - Sample analyzed outside of method hold time.
D - Sample duration outside 14+/-1 days
Fe - Field Error or discrepancy
Te - Tube Error or discrepancy
CN - See case narrative explanation.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified

b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# EPA METHOD 325B GC/MS FULL SCAN

**Client Sample ID: 211215-29-SAM1**

**Lab ID#: 2201060-01A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.21 U |
| Benzene | 0.38 | 0.48 |
| Toluene | 0.50 | 0.59 |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.28 U |
| o-Xylene | 0.56 | 0.28 U |

**Client Sample ID: 211215-29-SAM2**

**Lab ID#: 2201060-02A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.21 U |
| Benzene | 0.38 | 0.48 |
| Toluene | 0.50 | 0.68 |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.28 U |
| o-Xylene | 0.56 | 0.28 U |

**Client Sample ID: 211215-29-SAM3**

**Lab ID#: 2201060-03A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.21 U |
| Benzene | 0.38 | 0.58 |
| Toluene | 0.50 | 0.59 |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.28 U |
| o-Xylene | 0.56 | 0.28 U |

**Client Sample ID: 211215-29-SAM4**

**Lab ID#: 2201060-04A**

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# Summary of Detected Compounds
# EPA METHOD 325B GC/MS FULL SCAN

**Client Sample ID: 211215-29-SAM4**

**Lab ID#: 2201060-04A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.21 U |
| Benzene | 0.38 | 0.49 |
| Toluene | 0.50 | 0.78 |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.28 U |
| o-Xylene | 0.56 | 0.28 U |

**Client Sample ID: 211215-29-SAM5**

**Lab ID#: 2201060-05A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.21 U |
| Benzene | 0.38 | 0.51 |
| Toluene | 0.50 | 0.60 |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.28 U |
| o-Xylene | 0.56 | 0.28 U |

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**Client Sample ID: 211215-29-SAM1**

**Lab ID#: 2201060-01A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **80010739** | **Date of Collection: 12/29/21 9:25:00 AM** |
| **Dil. Factor:** | **1.04** | **Date of Analysis: 1/8/22 07:56 AM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.21 U |
| Benzene | 0.38 | 0.48 |
| Toluene | 0.50 | 0.59 |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.28 U |
| o-Xylene | 0.56 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.

**Container Type: Carbopack X CAMSCO**

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**Client Sample ID: 211215-29-SAM2**

**Lab ID#: 2201060-02A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **80010740** | **Date of Collection: 12/29/21 9:45:00 AM** |
| **Dil. Factor:** | **1.04** | **Date of Analysis: 1/8/22 08:25 AM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.21 U |
| Benzene | 0.38 | 0.48 |
| Toluene | 0.50 | 0.68 |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.28 U |
| o-Xylene | 0.56 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.

**Container Type: Carbopack X CAMSCO**

eurofins | Air Toxics

**Client Sample ID: 211215-29-SAM3**

**Lab ID#: 2201060-03A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **80010741** | **Date of Collection: 12/29/21 9:22:00 AM** |
| **Dil. Factor:** | **1.04** | **Date of Analysis: 1/8/22 08:55 AM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.21 U |
| Benzene | 0.38 | 0.58 |
| Toluene | 0.50 | 0.59 |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.28 U |
| o-Xylene | 0.56 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.

**Container Type: Carbopack X CAMSCO**

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**Client Sample ID: 211215-29-SAM4**

**Lab ID#: 2201060-04A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **80010742** | **Date of Collection: 12/29/21 9:34:00 AM** |
| **Dil. Factor:** | **1.04** | **Date of Analysis: 1/8/22 09:24 AM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.21 U |
| Benzene | 0.38 | 0.49 |
| Toluene | 0.50 | 0.78 |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.28 U |
| o-Xylene | 0.56 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.

**Container Type: Carbopack X CAMSCO**

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**Client Sample ID: 211215-29-SAM5**

**Lab ID#: 2201060-05A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **80010743** | **Date of Collection: 12/29/21 9:30:00 AM** |
| **Dil. Factor:** | **1.04** | **Date of Analysis: 1/8/22 09:53 AM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.21 U |
| Benzene | 0.38 | 0.51 |
| Toluene | 0.50 | 0.60 |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.28 U |
| o-Xylene | 0.56 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.

**Container Type: Carbopack X CAMSCO**

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**Client Sample ID: Lab Blank**

**Lab ID#: 2201060-06A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **80010704** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/7/22 02:37 PM** | |
| | | **Date of Extraction: NA** | |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.50 | 0.20 U |
| Benzene | 0.37 | 0.18 U |
| Toluene | 0.48 | 0.24 U |
| Ethyl Benzene | 0.54 | 0.27 U |
| m,p-Xylene | 0.54 | 0.27 U |
| o-Xylene | 0.54 | 0.27 U |

U = The analyte was not present above the Method Detection Limit.

**Container Type: NA - Not Applicable**

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**Client Sample ID: CCV**

**Lab ID#: 2201060-07A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **80010737** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/8/22 06:58 AM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Styrene | 133 Q |
| Benzene | 91 |
| Toluene | 89 |
| Ethyl Benzene | 83 |
| m,p-Xylene | 82 |
| o-Xylene | 84 |

Q = Exceeds Quality Control limits.

**Container Type: NA - Not Applicable**

eurofins | Air Toxics

**Client Sample ID: CCV**

**Lab ID#: 2201060-07B**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **80010744** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/8/22 10:18 AM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Styrene | 132 Q |
| Benzene | 92 |
| Toluene | 91 |
| Ethyl Benzene | 85 |
| m,p-Xylene | 84 |
| o-Xylene | 84 |

Q = Exceeds Quality Control limits.

**Container Type: NA - Not Applicable**

eurofins | Air Toxics

1/26/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Ameren Champaign
Project #:
Workorder #: 2201224

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 1/13/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by EPA Method 325B are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

eurofins | Air Toxics

# WORK ORDER #: 2201224

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 012633-1107 |
| **FAX:** | | **PROJECT #** | Ameren Champaign |
| **DATE RECEIVED:** | 01/13/2022 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 01/26/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20211229-20220112-SE-SAM1 | EPA Method 325B |
| 02A | 20211229-20220112-NE-SAM2 | EPA Method 325B |
| 03A | 20211229-20220112-SE-SAM3 | EPA Method 325B |
| 04A | 20211229-20220112-NW-SAM4 | EPA Method 325B |
| 05A | 20211229-20220112-SW-SAM5 | EPA Method 325B |
| 06A | 20211229-20220112-BLANK1 | EPA Method 325B |
| 07A | 20211229-20220112-BLANK2 | EPA Method 325B |
| 08A | Lab Blank | EPA Method 325B |
| 08B | Lab Blank | EPA Method 325B |
| 09A | CCV | EPA Method 325B |
| 09B | CCV | EPA Method 325B |

CERTIFIED BY: Heidi Hayes DATE: 01/26/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**ATM EPA 325B**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2201224**

Seven Carbopack X CAMSCO samples were received on January 13, 2022. The laboratory performed the analysis via EPA Method 325B using GC/MS in the full scan mode.

The mass of each target compound adsorbed by the sampler was converted to units of concentration using the sample deployment time and the uptake rate for each VOC. Uptake rates are adjusted for local conditions and concentrations are reported based on normal ambient temperature and pressure conditions (25 deg C and 760 mm Hg) following the required calculations in EPA Method 325B. These adjustments are reflected in the dilution factor.

## Receiving Notes

There were no receiving discrepancies.

## Analytical Notes

There were no analytical discrepancies.

## Definition of Data Qualifying Flags

The following qualifiers may have been used on the data analysis sheets and indicate as follows:

B - Compound present in field blank(s) greater than 1/3 the compliance limit or measured target analyte (background subtraction not performed).
J - Estimated value - analyte detected between the Method Detection Limit and Reporting Limit.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the MDL value.
I - Internal Standard recovery outside acceptance limits
P - Field Duplicate(s) exceed 30%RPD
Pc- Field Duplicate(s) exceed 30%RPD, concentrations of sample and/or its duplicate less than 2 times reporting limit.
Pl - Field Duplicate(s) exceed 30%RPD, lab error noted.
L - Recovery of bracketing CCV(s) exceeded acceptance limits.
H - Sample analyzed outside of method hold time.
D - Sample duration outside 14+/-1 days
Fe - Field Error or discrepancy
Te - Tube Error or discrepancy
CN - See case narrative explanation.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

eurofins | Air Toxics

# Summary of Detected Compounds
# EPA METHOD 325B GC/MS FULL SCAN

**Client Sample ID: 20211229-20220112-SE-SAM1**

**Lab ID#: 2201224-01A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.53 | 0.21 U |
| Benzene | 0.39 | 0.71 |
| Toluene | 0.50 | 0.47 J |
| Ethyl Benzene | 0.57 | 0.28 U |
| m,p-Xylene | 0.57 | 0.28 U |
| o-Xylene | 0.57 | 0.28 U |

**Client Sample ID: 20211229-20220112-NE-SAM2**

**Lab ID#: 2201224-02A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.53 | 0.21 U |
| Benzene | 0.39 | 0.57 |
| Toluene | 0.50 | 0.41 J |
| Ethyl Benzene | 0.57 | 0.28 U |
| m,p-Xylene | 0.57 | 0.28 U |
| o-Xylene | 0.57 | 0.28 U |

**Client Sample ID: 20211229-20220112-SE-SAM3**

**Lab ID#: 2201224-03A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.53 | 0.21 U |
| Benzene | 0.39 | 0.55 |
| Toluene | 0.50 | 0.51 |
| Ethyl Benzene | 0.57 | 0.28 U |
| m,p-Xylene | 0.57 | 0.28 U |
| o-Xylene | 0.57 | 0.28 U |

**Client Sample ID: 20211229-20220112-NW-SAM4**

**Lab ID#: 2201224-04A**

eurofins | Air Toxics

# Summary of Detected Compounds
# EPA METHOD 325B GC/MS FULL SCAN

**Client Sample ID: 20211229-20220112-NW-SAM4**

**Lab ID#: 2201224-04A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.53 | 0.21 U |
| Benzene | 0.39 | 0.53 |
| Toluene | 0.50 | 0.34 J |
| Ethyl Benzene | 0.57 | 0.28 U |
| m,p-Xylene | 0.57 | 0.28 U |
| o-Xylene | 0.57 | 0.28 U |

**Client Sample ID: 20211229-20220112-SW-SAM5**

**Lab ID#: 2201224-05A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.53 | 0.21 U |
| Benzene | 0.39 | 0.62 |
| Toluene | 0.50 | 0.53 |
| Ethyl Benzene | 0.57 | 0.28 U |
| m,p-Xylene | 0.57 | 0.28 U |
| o-Xylene | 0.57 | 0.28 U |

**Client Sample ID: 20211229-20220112-BLANK1**

**Lab ID#: 2201224-06A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.53 | 0.21 U |
| Benzene | 0.39 | 0.20 U |
| Toluene | 0.50 | 0.25 U |
| Ethyl Benzene | 0.57 | 0.28 U |
| m,p-Xylene | 0.57 | 0.28 U |
| o-Xylene | 0.57 | 0.28 U |

**Client Sample ID: 20211229-20220112-BLANK2**

**Lab ID#: 2201224-07A**

eurofins | Air Toxics

# Summary of Detected Compounds
# EPA METHOD 325B GC/MS FULL SCAN

**Client Sample ID: 20211229-20220112-BLANK2**

**Lab ID#: 2201224-07A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.53 | 0.21 U |
| Benzene | 0.39 | 0.20 U |
| Toluene | 0.50 | 0.25 U |
| Ethyl Benzene | 0.57 | 0.28 U |
| m,p-Xylene | 0.57 | 0.28 U |
| o-Xylene | 0.57 | 0.28 U |

eurofins | Air Toxics

**Client Sample ID: 20211229-20220112-SE-SAM1**

**Lab ID#: 2201224-01A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **80011506** | **Date of Collection: 1/12/22 12:07:00 PM** |
| **Dil. Factor:** | **1.05** | **Date of Analysis: 1/15/22 04:35 PM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.53 | 0.21 U |
| Benzene | 0.39 | 0.71 |
| Toluene | 0.50 | 0.47 J |
| Ethyl Benzene | 0.57 | 0.28 U |
| m,p-Xylene | 0.57 | 0.28 U |
| o-Xylene | 0.57 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.
J = Estimated value.
**Container Type: Carbopack X CAMSCO**

eurofins | Air Toxics

**Client Sample ID: 20211229-20220112-NE-SAM2**

**Lab ID#: 2201224-02A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **80011507** | **Date of Collection: 1/12/22 12:27:00 PM** |
| **Dil. Factor:** | **1.05** | **Date of Analysis: 1/15/22 05:04 PM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.53 | 0.21 U |
| Benzene | 0.39 | 0.57 |
| Toluene | 0.50 | 0.41 J |
| Ethyl Benzene | 0.57 | 0.28 U |
| m,p-Xylene | 0.57 | 0.28 U |
| o-Xylene | 0.57 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.
J = Estimated value.
**Container Type: Carbopack X CAMSCO**

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**Client Sample ID: 20211229-20220112-SE-SAM3**

**Lab ID#: 2201224-03A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **80011508** | **Date of Collection: 1/12/22 12:04:00 PM** |
| **Dil. Factor:** | **1.05** | **Date of Analysis: 1/15/22 05:34 PM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.53 | 0.21 U |
| Benzene | 0.39 | 0.55 |
| Toluene | 0.50 | 0.51 |
| Ethyl Benzene | 0.57 | 0.28 U |
| m,p-Xylene | 0.57 | 0.28 U |
| o-Xylene | 0.57 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.

**Container Type: Carbopack X CAMSCO**

eurofins | Air Toxics

**Client Sample ID: 20211229-20220112-NW-SAM4**

**Lab ID#: 2201224-04A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **80011509** | **Date of Collection: 1/12/22 12:17:00 PM** |
| **Dil. Factor:** | **1.05** | **Date of Analysis: 1/15/22 06:03 PM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.53 | 0.21 U |
| Benzene | 0.39 | 0.53 |
| Toluene | 0.50 | 0.34 J |
| Ethyl Benzene | 0.57 | 0.28 U |
| m,p-Xylene | 0.57 | 0.28 U |
| o-Xylene | 0.57 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.
J = Estimated value.
**Container Type: Carbopack X CAMSCO**

eurofins | Air Toxics

**Client Sample ID: 20211229-20220112-SW-SAM5**

**Lab ID#: 2201224-05A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **80011805** | **Date of Collection: 1/12/22 12:13:00 PM** |
| **Dil. Factor:** | **1.05** | **Date of Analysis: 1/18/22 10:51 AM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.53 | 0.21 U |
| Benzene | 0.39 | 0.62 |
| Toluene | 0.50 | 0.53 |
| Ethyl Benzene | 0.57 | 0.28 U |
| m,p-Xylene | 0.57 | 0.28 U |
| o-Xylene | 0.57 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.

**Container Type: Carbopack X CAMSCO**

eurofins | Air Toxics

**Client Sample ID: 20211229-20220112-BLANK1**

**Lab ID#: 2201224-06A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **80011511** | **Date of Collection: 1/12/22 12:30:00 PM** |
| **Dil. Factor:** | **1.05** | **Date of Analysis: 1/15/22 07:02 PM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.53 | 0.21 U |
| Benzene | 0.39 | 0.20 U |
| Toluene | 0.50 | 0.25 U |
| Ethyl Benzene | 0.57 | 0.28 U |
| m,p-Xylene | 0.57 | 0.28 U |
| o-Xylene | 0.57 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.

**Container Type: Carbopack X CAMSCO**

eurofins | Air Toxics

**Client Sample ID: 20211229-20220112-BLANK2**

**Lab ID#: 2201224-07A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **80011505** | **Date of Collection: 1/12/22 12:31:00 PM** |
| **Dil. Factor:** | **1.05** | **Date of Analysis: 1/15/22 04:06 PM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.53 | 0.21 U |
| Benzene | 0.39 | 0.20 U |
| Toluene | 0.50 | 0.25 U |
| Ethyl Benzene | 0.57 | 0.28 U |
| m,p-Xylene | 0.57 | 0.28 U |
| o-Xylene | 0.57 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.

**Container Type: Carbopack X CAMSCO**

eurofins | Air Toxics

**Client Sample ID: Lab Blank**

**Lab ID#: 2201224-08A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **80011504** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/15/22 03:03 PM** | |
| | | **Date of Extraction: NA** | |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.50 | 0.20 U |
| Benzene | 0.37 | 0.18 U |
| Toluene | 0.48 | 0.24 U |
| Ethyl Benzene | 0.54 | 0.27 U |
| m,p-Xylene | 0.54 | 0.27 U |
| o-Xylene | 0.54 | 0.27 U |

U = The analyte was not present above the Method Detection Limit.

**Container Type: NA - Not Applicable**

eurofins | Air Toxics

**Client Sample ID: Lab Blank**

**Lab ID#: 2201224-08B**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **80011804** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/18/22 10:08 AM** | |
| | | **Date of Extraction: NA** | |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.50 | 0.20 U |
| Benzene | 0.37 | 0.18 U |
| Toluene | 0.48 | 0.24 U |
| Ethyl Benzene | 0.54 | 0.27 U |
| m,p-Xylene | 0.54 | 0.27 U |
| o-Xylene | 0.54 | 0.27 U |

U = The analyte was not present above the Method Detection Limit.

**Container Type: NA - Not Applicable**

eurofins | Air Toxics

**Client Sample ID: CCV**

**Lab ID#: 2201224-09A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **80011515a** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/15/22 08:56 PM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Styrene | 113 |
| Benzene | 98 |
| Toluene | 104 |
| Ethyl Benzene | 92 |
| m,p-Xylene | 94 |
| o-Xylene | 100 |

**Container Type: NA - Not Applicable**

eurofins | Air Toxics

**Client Sample ID: CCV**

**Lab ID#: 2201224-09B**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **80011815a** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/18/22 03:26 PM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Styrene | 120 |
| Benzene | 96 |
| Toluene | 98 |
| Ethyl Benzene | 96 |
| m,p-Xylene | 98 |
| o-Xylene | 104 |

**Container Type: NA - Not Applicable**

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2/8/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th St.
Project #:
Workorder #: 2201592

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 1/27/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by EPA Method 325B are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Kathleen Kaneko

Project Manager

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# WORK ORDER #: 2201592

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 022633-1107 |
| **FAX:** | | **PROJECT #** | Champaign 5th St. |
| **DATE RECEIVED:** | 01/27/2022 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 02/08/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 220112-26-SAM1 | EPA Method 325B |
| 02A | 220112-26-SAM2 | EPA Method 325B |
| 03A | 220112-26-SAM3 | EPA Method 325B |
| 04A | 220112-26-SAM4 | EPA Method 325B |
| 05A | 220112-26-SAM5 | EPA Method 325B |
| 06A | 220112-26-SAM6 | EPA Method 325B |
| 07A | Lab Blank | EPA Method 325B |
| 08A | CCV | EPA Method 325B |
| 08B | CCV | EPA Method 325B |

CERTIFIED BY: DATE: 02/08/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

*This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.*

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**ATM EPA 325B**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2201592**

Six Carbopack X CAMSCO samples were received on January 27, 2022. The laboratory performed the analysis via EPA Method 325B using GC/MS in the full scan mode.

The mass of each target compound adsorbed by the sampler was converted to units of concentration using the sample deployment time and the uptake rate for each VOC. Uptake rates are adjusted for local conditions and concentrations are reported based on normal ambient temperature and pressure conditions (25 deg C and 760 mm Hg) following the required calculations in EPA Method 325B. These adjustments are reflected in the dilution factor.

## Receiving Notes

There were no receiving discrepancies.

## Analytical Notes

There were no analytical discrepancies.

## Definition of Data Qualifying Flags

The following qualifiers may have been used on the data analysis sheets and indicate as follows:

B - Compound present in field blank(s) greater than 1/3 the compliance limit or measured target analyte (background subtraction not performed).
J - Estimated value - analyte detected between the Method Detection Limit and Reporting Limit.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the MDL value.
I - Internal Standard recovery outside acceptance limits
P - Field Duplicate(s) exceed 30%RPD
Pc- Field Duplicate(s) exceed 30%RPD, concentrations of sample and/or its duplicate less than 2 times reporting limit.
Pl - Field Duplicate(s) exceed 30%RPD, lab error noted.
L - Recovery of bracketing CCV(s) exceeded acceptance limits.
H - Sample analyzed outside of method hold time.
D - Sample duration outside 14+/-1 days
Fe - Field Error or discrepancy
Te - Tube Error or discrepancy
CN - See case narrative explanation.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# EPA METHOD 325B GC/MS FULL SCAN

**Client Sample ID: 220112-26-SAM1**

**Lab ID#: 2201592-01A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.53 | 0.21 U |
| Benzene | 0.39 | 0.88 |
| Toluene | 0.50 | 1.1 |
| Ethyl Benzene | 0.57 | 0.28 U |
| m,p-Xylene | 0.57 | 0.52 J |
| o-Xylene | 0.57 | 0.28 U |

**Client Sample ID: 220112-26-SAM2**

**Lab ID#: 2201592-02A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.53 | 0.21 U |
| Benzene | 0.39 | 0.60 |
| Toluene | 0.50 | 0.66 |
| Ethyl Benzene | 0.57 | 0.28 U |
| m,p-Xylene | 0.57 | 0.28 U |
| o-Xylene | 0.57 | 0.28 U |

**Client Sample ID: 220112-26-SAM3**

**Lab ID#: 2201592-03A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.53 | 0.21 U |
| Benzene | 0.39 | 0.62 |
| Toluene | 0.50 | 0.66 |
| Ethyl Benzene | 0.57 | 0.28 U |
| m,p-Xylene | 0.57 | 0.28 U |
| o-Xylene | 0.57 | 0.28 U |

**Client Sample ID: 220112-26-SAM4**

**Lab ID#: 2201592-04A**

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# Summary of Detected Compounds
# EPA METHOD 325B GC/MS FULL SCAN

**Client Sample ID: 220112-26-SAM4**

**Lab ID#: 2201592-04A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.53 | 0.21 U |
| Benzene | 0.39 | 0.82 |
| Toluene | 0.50 | 0.91 |
| Ethyl Benzene | 0.57 | 0.28 U |
| m,p-Xylene | 0.57 | 0.56 J |
| o-Xylene | 0.57 | 0.28 U |

**Client Sample ID: 220112-26-SAM5**

**Lab ID#: 2201592-05A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.53 | 0.21 U |
| Benzene | 0.39 | 0.52 |
| Toluene | 0.50 | 0.55 |
| Ethyl Benzene | 0.57 | 0.28 U |
| m,p-Xylene | 0.57 | 0.28 U |
| o-Xylene | 0.57 | 0.28 U |

**Client Sample ID: 220112-26-SAM6**

**Lab ID#: 2201592-06A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.53 | 0.21 U |
| Benzene | 0.39 | 0.20 U |
| Toluene | 0.50 | 0.25 U |
| Ethyl Benzene | 0.57 | 0.28 U |
| m,p-Xylene | 0.57 | 0.28 U |
| o-Xylene | 0.57 | 0.28 U |

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**Client Sample ID: 220112-26-SAM1**

**Lab ID#: 2201592-01A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **80020128** | **Date of Collection: 1/26/22 8:49:00 AM** |
| **Dil. Factor:** | **1.05** | **Date of Analysis: 2/2/22 01:11 AM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.53 | 0.21 U |
| Benzene | 0.39 | 0.88 |
| Toluene | 0.50 | 1.1 |
| Ethyl Benzene | 0.57 | 0.28 U |
| m,p-Xylene | 0.57 | 0.52 J |
| o-Xylene | 0.57 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.
J = Estimated value.
**Container Type: Carbopack X CAMSCO**

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**Client Sample ID: 220112-26-SAM2**

**Lab ID#: 2201592-02A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **80020129** | **Date of Collection: 1/26/22 8:45:00 AM** |
| **Dil. Factor:** | **1.05** | **Date of Analysis: 2/2/22 01:40 AM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.53 | 0.21 U |
| Benzene | 0.39 | 0.60 |
| Toluene | 0.50 | 0.66 |
| Ethyl Benzene | 0.57 | 0.28 U |
| m,p-Xylene | 0.57 | 0.28 U |
| o-Xylene | 0.57 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.

**Container Type: Carbopack X CAMSCO**

eurofins | Air Toxics

**Client Sample ID: 220112-26-SAM3**

**Lab ID#: 2201592-03A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **80020130** | **Date of Collection: 1/26/22 8:51:00 AM** |
| **Dil. Factor:** | **1.05** | **Date of Analysis: 2/2/22 02:09 AM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.53 | 0.21 U |
| Benzene | 0.39 | 0.62 |
| Toluene | 0.50 | 0.66 |
| Ethyl Benzene | 0.57 | 0.28 U |
| m,p-Xylene | 0.57 | 0.28 U |
| o-Xylene | 0.57 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.

**Container Type: Carbopack X CAMSCO**

eurofins | Air Toxics

**Client Sample ID: 220112-26-SAM4**

**Lab ID#: 2201592-04A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **80020131** | **Date of Collection: 1/26/22 8:58:00 AM** |
| **Dil. Factor:** | **1.05** | **Date of Analysis: 2/2/22 02:39 AM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.53 | 0.21 U |
| Benzene | 0.39 | 0.82 |
| Toluene | 0.50 | 0.91 |
| Ethyl Benzene | 0.57 | 0.28 U |
| m,p-Xylene | 0.57 | 0.56 J |
| o-Xylene | 0.57 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.
J = Estimated value.
**Container Type: Carbopack X CAMSCO**

eurofins | Air Toxics

**Client Sample ID: 220112-26-SAM5**

**Lab ID#: 2201592-05A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **80020132** | **Date of Collection: 1/26/22 8:55:00 AM** |
| **Dil. Factor:** | **1.05** | **Date of Analysis: 2/2/22 03:08 AM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.53 | 0.21 U |
| Benzene | 0.39 | 0.52 |
| Toluene | 0.50 | 0.55 |
| Ethyl Benzene | 0.57 | 0.28 U |
| m,p-Xylene | 0.57 | 0.28 U |
| o-Xylene | 0.57 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.

**Container Type: Carbopack X CAMSCO**

eurofins | Air Toxics

**Client Sample ID: 220112-26-SAM6**

**Lab ID#: 2201592-06A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **80020133** | **Date of Collection: 1/26/22 8:59:00 AM** |
| **Dil. Factor:** | **1.05** | **Date of Analysis: 2/2/22 03:37 AM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.53 | 0.21 U |
| Benzene | 0.39 | 0.20 U |
| Toluene | 0.50 | 0.25 U |
| Ethyl Benzene | 0.57 | 0.28 U |
| m,p-Xylene | 0.57 | 0.28 U |
| o-Xylene | 0.57 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.

**Container Type: Carbopack X CAMSCO**

eurofins | Air Toxics

**Client Sample ID: Lab Blank**

**Lab ID#: 2201592-07A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **80020104** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/1/22 01:09 PM** | |
| | | **Date of Extraction: NA** | |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.50 | 0.20 U |
| Benzene | 0.37 | 0.18 U |
| Toluene | 0.48 | 0.24 U |
| Ethyl Benzene | 0.54 | 0.27 U |
| m,p-Xylene | 0.54 | 0.27 U |
| o-Xylene | 0.54 | 0.27 U |

U = The analyte was not present above the Method Detection Limit.

**Container Type: NA - Not Applicable**

eurofins | Air Toxics

**Client Sample ID: CCV**

**Lab ID#: 2201592-08A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **80020126** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/2/22 12:12 AM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Styrene | 95 |
| Benzene | 92 |
| Toluene | 90 |
| Ethyl Benzene | 85 |
| m,p-Xylene | 83 |
| o-Xylene | 81 |

**Container Type: NA - Not Applicable**

eurofins | Air Toxics

**Client Sample ID: CCV**

**Lab ID#: 2201592-08B**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **80020137** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/2/22 05:31 AM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Styrene | 110 |
| Benzene | 98 |
| Toluene | 99 |
| Ethyl Benzene | 96 |
| m,p-Xylene | 93 |
| o-Xylene | 91 |

**Container Type: NA - Not Applicable**

eurofins | Air Toxics

2/22/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th St.
Project #:
Workorder #: 2202212

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 2/10/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by EPA Method 325B are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

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# WORK ORDER #: 2202212

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 022633-1107 |
| **FAX:** | | **PROJECT #** | Champaign 5th St. |
| **DATE RECEIVED:** | 02/10/2022 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 02/22/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 220126-0209-SE-SAM1 | EPA Method 325B |
| 02A | 220126-0209-NE-SAM2 | EPA Method 325B |
| 03A | 220126-0209-SE-SAM3 | EPA Method 325B |
| 04A | 220126-0209-NW-SAM4 | EPA Method 325B |
| 05A | 220126-0209-SW-SAM5 | EPA Method 325B |
| 06A | 220126-0209-SAM6 | EPA Method 325B |
| 07A | Lab Blank | EPA Method 325B |
| 08A | CCV | EPA Method 325B |

CERTIFIED BY: DATE: 02/22/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
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# Summary of Detected Compounds
# EPA METHOD 325B GC/MS FULL SCAN

**Client Sample ID: 220126-0209-SE-SAM1**

**Lab ID#: 2202212-01A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.53 | 0.21 U |
| Benzene | 0.39 | 0.65 |
| Toluene | 0.50 | 0.48 J |
| Ethyl Benzene | 0.57 | 0.28 U |
| m,p-Xylene | 0.57 | 0.28 U |
| o-Xylene | 0.57 | 0.28 U |

**Client Sample ID: 220126-0209-NE-SAM2**

**Lab ID#: 2202212-02A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.53 | 0.21 U |
| Benzene | 0.39 | 0.82 |
| Toluene | 0.50 | 0.65 |
| Ethyl Benzene | 0.57 | 0.28 U |
| m,p-Xylene | 0.57 | 0.28 U |
| o-Xylene | 0.57 | 0.28 U |

**Client Sample ID: 220126-0209-SE-SAM3**

**Lab ID#: 2202212-03A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.53 | 0.21 U |
| Benzene | 0.39 | 0.65 |
| Toluene | 0.50 | 0.50 |
| Ethyl Benzene | 0.57 | 0.28 U |
| m,p-Xylene | 0.57 | 0.28 U |
| o-Xylene | 0.57 | 0.28 U |

**Client Sample ID: 220126-0209-NW-SAM4**

**Lab ID#: 2202212-04A**

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# Summary of Detected Compounds
# EPA METHOD 325B GC/MS FULL SCAN

**Client Sample ID: 220126-0209-NW-SAM4**

**Lab ID#: 2202212-04A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.53 | 0.21 U |
| Benzene | 0.39 | 0.68 |
| Toluene | 0.50 | 0.56 |
| Ethyl Benzene | 0.57 | 0.28 U |
| m,p-Xylene | 0.57 | 0.28 U |
| o-Xylene | 0.57 | 0.28 U |

**Client Sample ID: 220126-0209-SW-SAM5**

**Lab ID#: 2202212-05A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.53 | 0.21 U |
| Benzene | 0.39 | 0.66 |
| Toluene | 0.50 | 0.60 |
| Ethyl Benzene | 0.57 | 0.28 U |
| m,p-Xylene | 0.57 | 0.28 U |
| o-Xylene | 0.57 | 0.28 U |

**Client Sample ID: 220126-0209-SAM6**

**Lab ID#: 2202212-06A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.53 | 0.21 U |
| Benzene | 0.39 | 0.27 J |
| Toluene | 0.50 | 0.25 U |
| Ethyl Benzene | 0.57 | 0.28 U |
| m,p-Xylene | 0.57 | 0.28 U |
| o-Xylene | 0.57 | 0.28 U |

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**Client Sample ID: 220126-0209-SE-SAM1**

**Lab ID#: 2202212-01A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f021205** | **Date of Collection: 2/9/22 8:28:00 AM** |
| **Dil. Factor:** | **1.05** | **Date of Analysis: 2/12/22 02:06 PM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.53 | 0.21 U |
| Benzene | 0.39 | 0.65 |
| Toluene | 0.50 | 0.48 J |
| Ethyl Benzene | 0.57 | 0.28 U |
| m,p-Xylene | 0.57 | 0.28 U |
| o-Xylene | 0.57 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.
J = Estimated value.
**Container Type: Carbopack X CAMSCO**

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**Client Sample ID: 220126-0209-NE-SAM2**

**Lab ID#: 2202212-02A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f021206** | **Date of Collection: 2/9/22 8:22:00 AM** |
| **Dil. Factor:** | **1.05** | **Date of Analysis: 2/12/22 02:41 PM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.53 | 0.21 U |
| Benzene | 0.39 | 0.82 |
| Toluene | 0.50 | 0.65 |
| Ethyl Benzene | 0.57 | 0.28 U |
| m,p-Xylene | 0.57 | 0.28 U |
| o-Xylene | 0.57 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.

**Container Type: Carbopack X CAMSCO**

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**Client Sample ID: 220126-0209-SE-SAM3**

**Lab ID#: 2202212-03A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f021207** | **Date of Collection: 2/9/22 8:27:00 AM** |
| **Dil. Factor:** | **1.05** | **Date of Analysis: 2/12/22 03:15 PM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.53 | 0.21 U |
| Benzene | 0.39 | 0.65 |
| Toluene | 0.50 | 0.50 |
| Ethyl Benzene | 0.57 | 0.28 U |
| m,p-Xylene | 0.57 | 0.28 U |
| o-Xylene | 0.57 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.

**Container Type: Carbopack X CAMSCO**

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**Client Sample ID: 220126-0209-NW-SAM4**

**Lab ID#: 2202212-04A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f021208** | **Date of Collection: 2/9/22 8:43:00 AM** |
| **Dil. Factor:** | **1.05** | **Date of Analysis: 2/12/22 03:49 PM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.53 | 0.21 U |
| Benzene | 0.39 | 0.68 |
| Toluene | 0.50 | 0.56 |
| Ethyl Benzene | 0.57 | 0.28 U |
| m,p-Xylene | 0.57 | 0.28 U |
| o-Xylene | 0.57 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.

**Container Type: Carbopack X CAMSCO**

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**Client Sample ID: 220126-0209-SW-SAM5**

**Lab ID#: 2202212-05A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f021209** | **Date of Collection: 2/9/22 8:37:00 AM** |
| **Dil. Factor:** | **1.05** | **Date of Analysis: 2/12/22 04:23 PM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.53 | 0.21 U |
| Benzene | 0.39 | 0.66 |
| Toluene | 0.50 | 0.60 |
| Ethyl Benzene | 0.57 | 0.28 U |
| m,p-Xylene | 0.57 | 0.28 U |
| o-Xylene | 0.57 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.

**Container Type: Carbopack X CAMSCO**

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**Client Sample ID: 220126-0209-SAM6**

**Lab ID#: 2202212-06A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f021210** | **Date of Collection: 2/9/22 8:38:00 AM** |
| **Dil. Factor:** | **1.05** | **Date of Analysis: 2/12/22 04:58 PM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.53 | 0.21 U |
| Benzene | 0.39 | 0.27 J |
| Toluene | 0.50 | 0.25 U |
| Ethyl Benzene | 0.57 | 0.28 U |
| m,p-Xylene | 0.57 | 0.28 U |
| o-Xylene | 0.57 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.
J = Estimated value.
**Container Type: Carbopack X CAMSCO**

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**Client Sample ID: Lab Blank**

**Lab ID#: 2202212-07A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **f021204** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/12/22 01:22 PM** | |
| | | **Date of Extraction: NA** | |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.50 | 0.20 U |
| Benzene | 0.37 | 0.18 U |
| Toluene | 0.48 | 0.24 U |
| Ethyl Benzene | 0.54 | 0.27 U |
| m,p-Xylene | 0.54 | 0.27 U |
| o-Xylene | 0.54 | 0.27 U |

U = The analyte was not present above the Method Detection Limit.

**Container Type: NA - Not Applicable**

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**Client Sample ID: CCV**

**Lab ID#: 2202212-08A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f021215** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/12/22 07:44 PM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Styrene | 106 |
| Benzene | 97 |
| Toluene | 97 |
| Ethyl Benzene | 102 |
| m,p-Xylene | 100 |
| o-Xylene | 100 |

**Container Type: NA - Not Applicable**

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3/8/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th St.
Project #:
Workorder #: 2202585

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 2/24/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by EPA Method 325B are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

eurofins | Air Toxics

# WORK ORDER #: 2202585

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 022633-1107 |
| **FAX:** | | **PROJECT #** | Champaign 5th St. |
| **DATE RECEIVED:** | 02/24/2022 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 03/08/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 202209-23-SE-SAM1 | EPA Method 325B |
| 02A | 202209-23-NE-SAM2 | EPA Method 325B |
| 03A | 202209-23-SE-SAM3 | EPA Method 325B |
| 04A | 202209-23-NW-SAM4 | EPA Method 325B |
| 05A | 202209-23-SW-SAM5 | EPA Method 325B |
| 06A | 202209-23-SAM6 | EPA Method 325B |
| 07A | Lab Blank | EPA Method 325B |
| 08A | CCV | EPA Method 325B |

CERTIFIED BY: DATE: 03/08/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
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**LABORATORY NARRATIVE**
**ATM EPA 325B**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2202585**

Six Carbopack X CAMSCO samples were received on February 24, 2022. The laboratory performed the analysis via EPA Method 325B using GC/MS in the full scan mode.

The mass of each target compound adsorbed by the sampler was converted to units of concentration using the sample deployment time and the uptake rate for each VOC. Uptake rates are adjusted for local conditions and concentrations are reported based on normal ambient temperature and pressure conditions (25 deg C and 760 mm Hg) following the required calculations in EPA Method 325B. These adjustments are reflected in the dilution factor.

## Receiving Notes

There were no receiving discrepancies.

## Analytical Notes

There were no analytical discrepancies.

## Definition of Data Qualifying Flags

The following qualifiers may have been used on the data analysis sheets and indicate as follows:

B - Compound present in field blank(s) greater than 1/3 the compliance limit or measured target analyte (background subtraction not performed).
J - Estimated value - analyte detected between the Method Detection Limit and Reporting Limit.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the MDL value.
I - Internal Standard recovery outside acceptance limits
P - Field Duplicate(s) exceed 30%RPD
Pc- Field Duplicate(s) exceed 30%RPD, concentrations of sample and/or its duplicate less than 2 times reporting limit.
Pl - Field Duplicate(s) exceed 30%RPD, lab error noted.
L - Recovery of bracketing CCV(s) exceeded acceptance limits.
H - Sample analyzed outside of method hold time.
D - Sample duration outside 14+/-1 days
Fe - Field Error or discrepancy
Te - Tube Error or discrepancy
CN - See case narrative explanation.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# EPA METHOD 325B GC/MS FULL SCAN

**Client Sample ID: 202209-23-SE-SAM1**

**Lab ID#: 2202585-01A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.21 U |
| Benzene | 0.39 | 0.61 |
| Toluene | 0.50 | 0.43 J |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.28 U |
| o-Xylene | 0.56 | 0.28 U |

**Client Sample ID: 202209-23-NE-SAM2**

**Lab ID#: 2202585-02A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.21 U |
| Benzene | 0.39 | 0.70 |
| Toluene | 0.50 | 0.57 |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.28 U |
| o-Xylene | 0.56 | 0.28 U |

**Client Sample ID: 202209-23-SE-SAM3**

**Lab ID#: 2202585-03A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.21 U |
| Benzene | 0.39 | 0.68 |
| Toluene | 0.50 | 0.40 J |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.28 U |
| o-Xylene | 0.56 | 0.28 U |

**Client Sample ID: 202209-23-NW-SAM4**

**Lab ID#: 2202585-04A**

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# Summary of Detected Compounds
# EPA METHOD 325B GC/MS FULL SCAN

**Client Sample ID: 202209-23-NW-SAM4**

**Lab ID#: 2202585-04A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.21 U |
| Benzene | 0.39 | 0.79 |
| Toluene | 0.50 | 0.67 |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.28 U |
| o-Xylene | 0.56 | 0.28 U |

**Client Sample ID: 202209-23-SW-SAM5**

**Lab ID#: 2202585-05A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.21 U |
| Benzene | 0.39 | 0.62 |
| Toluene | 0.50 | 0.40 J |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.28 U |
| o-Xylene | 0.56 | 0.28 U |

**Client Sample ID: 202209-23-SAM6**

**Lab ID#: 2202585-06A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.21 U |
| Benzene | 0.39 | 0.19 U |
| Toluene | 0.50 | 0.25 U |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.28 U |
| o-Xylene | 0.56 | 0.28 U |

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**Client Sample ID: 202209-23-SE-SAM1**

**Lab ID#: 2202585-01A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f022505** | **Date of Collection: 2/23/22 8:57:00 AM** |
| **Dil. Factor:** | **1.05** | **Date of Analysis: 2/25/22 10:25 AM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.21 U |
| Benzene | 0.39 | 0.61 |
| Toluene | 0.50 | 0.43 J |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.28 U |
| o-Xylene | 0.56 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.
J = Estimated value.
**Container Type: Carbopack X CAMSCO**

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**Client Sample ID: 202209-23-NE-SAM2**

**Lab ID#: 2202585-02A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f022506** | **Date of Collection: 2/23/22 8:47:00 AM** |
| **Dil. Factor:** | **1.05** | **Date of Analysis: 2/25/22 10:59 AM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.21 U |
| Benzene | 0.39 | 0.70 |
| Toluene | 0.50 | 0.57 |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.28 U |
| o-Xylene | 0.56 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.

**Container Type: Carbopack X CAMSCO**

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**Client Sample ID: 202209-23-SE-SAM3**

**Lab ID#: 2202585-03A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f022507** | **Date of Collection: 2/23/22 8:56:00 AM** |
| **Dil. Factor:** | **1.05** | **Date of Analysis: 2/25/22 11:34 AM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.21 U |
| Benzene | 0.39 | 0.68 |
| Toluene | 0.50 | 0.40 J |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.28 U |
| o-Xylene | 0.56 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.
J = Estimated value.
**Container Type: Carbopack X CAMSCO**

eurofins | Air Toxics

**Client Sample ID: 202209-23-NW-SAM4**

**Lab ID#: 2202585-04A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f022508** | **Date of Collection: 2/23/22 9:16:00 AM** |
| **Dil. Factor:** | **1.05** | **Date of Analysis: 2/25/22 12:08 PM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.21 U |
| Benzene | 0.39 | 0.79 |
| Toluene | 0.50 | 0.67 |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.28 U |
| o-Xylene | 0.56 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.

**Container Type: Carbopack X CAMSCO**

eurofins | Air Toxics

**Client Sample ID: 202209-23-SW-SAM5**

**Lab ID#: 2202585-05A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f022509** | **Date of Collection: 2/23/22 9:06:00 AM** |
| **Dil. Factor:** | **1.05** | **Date of Analysis: 2/25/22 12:42 PM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.21 U |
| Benzene | 0.39 | 0.62 |
| Toluene | 0.50 | 0.40 J |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.28 U |
| o-Xylene | 0.56 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.
J = Estimated value.
**Container Type: Carbopack X CAMSCO**

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**Client Sample ID: 202209-23-SAM6**

**Lab ID#: 2202585-06A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f022510** | **Date of Collection: 2/23/22 8:10:00 AM** |
| **Dil. Factor:** | **1.05** | **Date of Analysis: 2/25/22 01:17 PM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.21 U |
| Benzene | 0.39 | 0.19 U |
| Toluene | 0.50 | 0.25 U |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.28 U |
| o-Xylene | 0.56 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.

**Container Type: Carbopack X CAMSCO**

eurofins | Air Toxics

**Client Sample ID: Lab Blank**

**Lab ID#: 2202585-07A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **f022504** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/25/22 09:38 AM** | |
| | | **Date of Extraction: NA** | |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.50 | 0.20 U |
| Benzene | 0.37 | 0.18 U |
| Toluene | 0.48 | 0.24 U |
| Ethyl Benzene | 0.54 | 0.27 U |
| m,p-Xylene | 0.54 | 0.27 U |
| o-Xylene | 0.54 | 0.27 U |

U = The analyte was not present above the Method Detection Limit.

**Container Type: NA - Not Applicable**

eurofins | Air Toxics

**Client Sample ID: CCV**

**Lab ID#: 2202585-08A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f022515** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/25/22 04:03 PM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Styrene | 129 |
| Benzene | 105 |
| Toluene | 114 |
| Ethyl Benzene | 119 |
| m,p-Xylene | 120 |
| o-Xylene | 123 |

**Container Type: NA - Not Applicable**

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3/24/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th Street
Project #:
Workorder #: 2203311

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 3/11/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by EPA Method 325B are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

eurofins | Air Toxics

# WORK ORDER #: 2203311

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 022633-1107 |
| **FAX:** | | **PROJECT #** | Champaign 5th Street |
| **DATE RECEIVED:** | 03/11/2022 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 03/24/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20220223-0309-SE-SAM1 | EPA Method 325B |
| 02A | 20220223-0309-NE-SAM2 | EPA Method 325B |
| 03A | 20220223-0309-SE-SAM3 | EPA Method 325B |
| 04A | 20220223-0309-NW-SAM4 | EPA Method 325B |
| 05A | 20220223-0309-SW-SAM5 | EPA Method 325B |
| 06A | 20220223-0309-SAM6 | EPA Method 325B |
| 07A | Lab Blank | EPA Method 325B |
| 08A | CCV | EPA Method 325B |

CERTIFIED BY: Heidi Hayes DATE: 03/24/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

*This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.*

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**ATM EPA 325B**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2203311**

Six Carbopack X CAMSCO samples were received on March 11, 2022. The laboratory performed the analysis via EPA Method 325B using GC/MS in the full scan mode.

The mass of each target compound adsorbed by the sampler was converted to units of concentration using the sample deployment time and the uptake rate for each VOC. Uptake rates are adjusted for local conditions and concentrations are reported based on normal ambient temperature and pressure conditions (25 deg C and 760 mm Hg) following the required calculations in EPA Method 325B. These adjustments are reflected in the dilution factor.

## Receiving Notes

The Chain of Custody (COC) information for sample 20220223-0309-SW-SAM5 did not match the information on the tube with regard to tube identification. The client was notified of the discrepancy and the information on the tubes was used to process and report the samples.

## Analytical Notes

There were no analytical discrepancies.

## Definition of Data Qualifying Flags

The following qualifiers may have been used on the data analysis sheets and indicate as follows:

B - Compound present in field blank(s) greater than 1/3 the compliance limit or measured target analyte (background subtraction not performed).
J - Estimated value - analyte detected between the Method Detection Limit and Reporting Limit.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the MDL value.
I - Internal Standard recovery outside acceptance limits
P - Field Duplicate(s) exceed 30%RPD
Pc- Field Duplicate(s) exceed 30%RPD, concentrations of sample and/or its duplicate less than 2 times reporting limit.
Pl - Field Duplicate(s) exceed 30%RPD, lab error noted.
L - Recovery of bracketing CCV(s) exceeded acceptance limits.
H - Sample analyzed outside of method hold time.
D - Sample duration outside 14+/-1 days
Fe - Field Error or discrepancy
Te - Tube Error or discrepancy
CN - See case narrative explanation.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# EPA METHOD 325B GC/MS FULL SCAN

**Client Sample ID: 20220223-0309-SE-SAM1**

**Lab ID#: 2203311-01A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.21 |
| Benzene | 0.38 | 0.96 |
| Toluene | 0.50 | 1.2 |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.78 |
| o-Xylene | 0.56 | 0.34 J |

**Client Sample ID: 20220223-0309-NE-SAM2**

**Lab ID#: 2203311-02A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.21 U |
| Benzene | 0.38 | 1.0 |
| Toluene | 0.50 | 1.1 |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.65 |
| o-Xylene | 0.56 | 0.28 J |

**Client Sample ID: 20220223-0309-SE-SAM3**

**Lab ID#: 2203311-03A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.21 U |
| Benzene | 0.38 | 0.98 |
| Toluene | 0.50 | 1.3 |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.79 |
| o-Xylene | 0.56 | 0.34 J |

**Client Sample ID: 20220223-0309-NW-SAM4**

**Lab ID#: 2203311-04A**

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# Summary of Detected Compounds
# EPA METHOD 325B GC/MS FULL SCAN

**Client Sample ID: 20220223-0309-NW-SAM4**

**Lab ID#: 2203311-04A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.21 U |
| Benzene | 0.38 | 0.87 |
| Toluene | 0.50 | 1.0 |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.67 |
| o-Xylene | 0.56 | 0.28 U |

**Client Sample ID: 20220223-0309-SW-SAM5**

**Lab ID#: 2203311-05A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.21 U |
| Benzene | 0.38 | 0.83 |
| Toluene | 0.50 | 0.97 |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.51 J |
| o-Xylene | 0.56 | 0.28 U |

**Client Sample ID: 20220223-0309-SAM6**

**Lab ID#: 2203311-06A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.21 U |
| Benzene | 0.38 | 0.19 U |
| Toluene | 0.50 | 0.25 U |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.28 U |
| o-Xylene | 0.56 | 0.28 U |

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**Client Sample ID: 20220223-0309-SE-SAM1**

**Lab ID#: 2203311-01A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **80031705** | **Date of Collection: 3/9/22 10:30:00 AM** |
| **Dil. Factor:** | **1.04** | **Date of Analysis: 3/17/22 12:04 PM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.21 |
| Benzene | 0.38 | 0.96 |
| Toluene | 0.50 | 1.2 |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.78 |
| o-Xylene | 0.56 | 0.34 J |

U = The analyte was not present above the Method Detection Limit.
J = Estimated value.
**Container Type: Carbopack X CAMSCO**

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**Client Sample ID: 20220223-0309-NE-SAM2**

**Lab ID#: 2203311-02A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **80031706** | **Date of Collection: 3/9/22 10:42:00 AM** |
| **Dil. Factor:** | **1.04** | **Date of Analysis: 3/17/22 12:34 PM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.21 U |
| Benzene | 0.38 | 1.0 |
| Toluene | 0.50 | 1.1 |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.65 |
| o-Xylene | 0.56 | 0.28 J |

U = The analyte was not present above the Method Detection Limit.
J = Estimated value.
**Container Type: Carbopack X CAMSCO**

eurofins | Air Toxics

**Client Sample ID: 20220223-0309-SE-SAM3**

**Lab ID#: 2203311-03A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **80031707** | **Date of Collection: 3/9/22 10:20:00 AM** |
| **Dil. Factor:** | **1.04** | **Date of Analysis: 3/17/22 01:03 PM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.21 U |
| Benzene | 0.38 | 0.98 |
| Toluene | 0.50 | 1.3 |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.79 |
| o-Xylene | 0.56 | 0.34 J |

U = The analyte was not present above the Method Detection Limit.
J = Estimated value.
**Container Type: Carbopack X CAMSCO**

eurofins | Air Toxics

**Client Sample ID: 20220223-0309-NW-SAM4**

**Lab ID#: 2203311-04A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **80031708** | **Date of Collection: 3/9/22 10:37:00 AM** |
| **Dil. Factor:** | **1.04** | **Date of Analysis: 3/17/22 01:33 PM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.21 U |
| Benzene | 0.38 | 0.87 |
| Toluene | 0.50 | 1.0 |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.67 |
| o-Xylene | 0.56 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.

**Container Type: Carbopack X CAMSCO**

eurofins | Air Toxics

**Client Sample ID: 20220223-0309-SW-SAM5**

**Lab ID#: 2203311-05A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **80031709** | **Date of Collection: 3/9/22 10:31:00 AM** |
| **Dil. Factor:** | **1.04** | **Date of Analysis: 3/17/22 02:02 PM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.21 U |
| Benzene | 0.38 | 0.83 |
| Toluene | 0.50 | 0.97 |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.51 J |
| o-Xylene | 0.56 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.
J = Estimated value.
**Container Type: Carbopack X CAMSCO**

eurofins | Air Toxics

**Client Sample ID: 20220223-0309-SAM6**

**Lab ID#: 2203311-06A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **80031710** | **Date of Collection: 3/9/22 10:10:00 AM** |
| **Dil. Factor:** | **1.04** | **Date of Analysis: 3/17/22 02:31 PM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.21 U |
| Benzene | 0.38 | 0.19 U |
| Toluene | 0.50 | 0.25 U |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.28 U |
| o-Xylene | 0.56 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.

**Container Type: Carbopack X CAMSCO**

eurofins | Air Toxics

**Client Sample ID: Lab Blank**

**Lab ID#: 2203311-07A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **80031704** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/17/22 11:19 AM** | |
| | | **Date of Extraction: NA** | |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.50 | 0.20 U |
| Benzene | 0.37 | 0.18 U |
| Toluene | 0.48 | 0.24 U |
| Ethyl Benzene | 0.54 | 0.27 U |
| m,p-Xylene | 0.54 | 0.27 U |
| o-Xylene | 0.54 | 0.27 U |

U = The analyte was not present above the Method Detection Limit.

**Container Type: NA - Not Applicable**

eurofins | Air Toxics

**Client Sample ID: CCV**

**Lab ID#: 2203311-08A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **80031715** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/17/22 04:55 PM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Styrene | 104 |
| Benzene | 106 |
| Toluene | 112 |
| Ethyl Benzene | 106 |
| m,p-Xylene | 110 |
| o-Xylene | 117 |

**Container Type: NA - Not Applicable**

eurofins | Air Toxics

4/5/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th St.
Project #:
Workorder #: 2203648

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 3/24/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by EPA Method 325B are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

eurofins | Air Toxics

# WORK ORDER #: 2203648

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 022633-1107 |
| **FAX:** | | **PROJECT #** | Champaign 5th St. |
| **DATE RECEIVED:** | 03/24/2022 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 04/04/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20220309-23-SE-SAM1 | EPA Method 325B |
| 02A | 20220309-23-NE-SAM2 | EPA Method 325B |
| 03A | 20220309-23-SE-SAM3 | EPA Method 325B |
| 04A | 20220309-23-NW-SAM4 | EPA Method 325B |
| 05A | 20220309-23-SW-SAM5 | EPA Method 325B |
| 06A | 20220309-23-SAM6 | EPA Method 325B |
| 07A | Lab Blank | EPA Method 325B |
| 08A | CCV | EPA Method 325B |

CERTIFIED BY: Heidi Hayes DATE: 04/05/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

*This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.*

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**ATM EPA 325B**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2203648**

Six Carbopack X CAMSCO samples were received on March 24, 2022. The laboratory performed the analysis via EPA Method 325B using GC/MS in the full scan mode.

The mass of each target compound adsorbed by the sampler was converted to units of concentration using the sample deployment time and the uptake rate for each VOC. Uptake rates are adjusted for local conditions and concentrations are reported based on normal ambient temperature and pressure conditions (25 deg C and 760 mm Hg) following the required calculations in EPA Method 325B. These adjustments are reflected in the dilution factor.

## Receiving Notes

The sample kit was received with the latch secured with generic zip ties in lieu of the numbered zip tie included with the kit. The client was notified and analysis proceeded.

## Analytical Notes

There were no analytical discrepancies.

## Definition of Data Qualifying Flags

The following qualifiers may have been used on the data analysis sheets and indicate as follows:

B - Compound present in field blank(s) greater than 1/3 the compliance limit or measured target analyte (background subtraction not performed).
J - Estimated value - analyte detected between the Method Detection Limit and Reporting Limit.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the MDL value.
I - Internal Standard recovery outside acceptance limits
P - Field Duplicate(s) exceed 30%RPD
Pc- Field Duplicate(s) exceed 30%RPD, concentrations of sample and/or its duplicate less than 2 times reporting limit.
Pl - Field Duplicate(s) exceed 30%RPD, lab error noted.
L - Recovery of bracketing CCV(s) exceeded acceptance limits.
H - Sample analyzed outside of method hold time.
D - Sample duration outside 14+/-1 days
Fe - Field Error or discrepancy
Te - Tube Error or discrepancy
CN - See case narrative explanation.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

eurofins | Air Toxics

# Summary of Detected Compounds
# EPA METHOD 325B GC/MS FULL SCAN

**Client Sample ID: 20220309-23-SE-SAM1**

**Lab ID#: 2203648-01A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.20 U |
| Benzene | 0.38 | 0.65 |
| Toluene | 0.49 | 0.97 |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.35 J |
| o-Xylene | 0.56 | 0.28 U |

**Client Sample ID: 20220309-23-NE-SAM2**

**Lab ID#: 2203648-02A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.20 U |
| Benzene | 0.38 | 0.64 |
| Toluene | 0.49 | 0.76 |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.30 J |
| o-Xylene | 0.56 | 0.28 U |

**Client Sample ID: 20220309-23-SE-SAM3**

**Lab ID#: 2203648-03A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.20 U |
| Benzene | 0.38 | 0.70 |
| Toluene | 0.49 | 1.1 |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.40 J |
| o-Xylene | 0.56 | 0.28 U |

**Client Sample ID: 20220309-23-NW-SAM4**

**Lab ID#: 2203648-04A**

eurofins | Air Toxics

# Summary of Detected Compounds
# EPA METHOD 325B GC/MS FULL SCAN

**Client Sample ID: 20220309-23-NW-SAM4**

**Lab ID#: 2203648-04A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.20 U |
| Benzene | 0.38 | 0.68 |
| Toluene | 0.49 | 0.74 |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.34 J |
| o-Xylene | 0.56 | 0.28 U |

**Client Sample ID: 20220309-23-SW-SAM5**

**Lab ID#: 2203648-05A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.20 U |
| Benzene | 0.38 | 0.59 |
| Toluene | 0.49 | 0.51 |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.28 U |
| o-Xylene | 0.56 | 0.28 U |

**Client Sample ID: 20220309-23-SAM6**

**Lab ID#: 2203648-06A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.20 U |
| Benzene | 0.38 | 0.19 U |
| Toluene | 0.49 | 0.25 U |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.28 U |
| o-Xylene | 0.56 | 0.28 U |

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**Client Sample ID: 20220309-23-SE-SAM1**

**Lab ID#: 2203648-01A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f032505** | **Date of Collection: 3/23/22 8:41:00 AM** |
| **Dil. Factor:** | **1.03** | **Date of Analysis: 3/25/22 01:35 PM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.20 U |
| Benzene | 0.38 | 0.65 |
| Toluene | 0.49 | 0.97 |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.35 J |
| o-Xylene | 0.56 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.
J = Estimated value.
**Container Type: Carbopack X CAMSCO**

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**Client Sample ID: 20220309-23-NE-SAM2**

**Lab ID#: 2203648-02A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f032506** | **Date of Collection: 3/23/22 8:34:00 AM** |
| **Dil. Factor:** | **1.03** | **Date of Analysis: 3/25/22 02:06 PM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.20 U |
| Benzene | 0.38 | 0.64 |
| Toluene | 0.49 | 0.76 |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.30 J |
| o-Xylene | 0.56 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.
J = Estimated value.
**Container Type: Carbopack X CAMSCO**

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**Client Sample ID: 20220309-23-SE-SAM3**

**Lab ID#: 2203648-03A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f032507** | **Date of Collection: 3/23/22 8:41:00 AM** |
| **Dil. Factor:** | **1.03** | **Date of Analysis: 3/25/22 02:53 PM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.20 U |
| Benzene | 0.38 | 0.70 |
| Toluene | 0.49 | 1.1 |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.40 J |
| o-Xylene | 0.56 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.
J = Estimated value.
**Container Type: Carbopack X CAMSCO**

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**Client Sample ID: 20220309-23-NW-SAM4**

**Lab ID#: 2203648-04A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f032508** | **Date of Collection: 3/23/22 9:01:00 AM** |
| **Dil. Factor:** | **1.03** | **Date of Analysis: 3/25/22 03:25 PM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.20 U |
| Benzene | 0.38 | 0.68 |
| Toluene | 0.49 | 0.74 |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.34 J |
| o-Xylene | 0.56 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.
J = Estimated value.
**Container Type: Carbopack X CAMSCO**

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**Client Sample ID: 20220309-23-SW-SAM5**

**Lab ID#: 2203648-05A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f032509** | **Date of Collection: 3/23/22 8:56:00 AM** |
| **Dil. Factor:** | **1.03** | **Date of Analysis: 3/25/22 03:56 PM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.20 U |
| Benzene | 0.38 | 0.59 |
| Toluene | 0.49 | 0.51 |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.28 U |
| o-Xylene | 0.56 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.

**Container Type: Carbopack X CAMSCO**

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**Client Sample ID: 20220309-23-SAM6**

**Lab ID#: 2203648-06A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f032510** | **Date of Collection: 3/23/22 9:05:00 AM** |
| **Dil. Factor:** | **1.03** | **Date of Analysis: 3/25/22 04:27 PM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.20 U |
| Benzene | 0.38 | 0.19 U |
| Toluene | 0.49 | 0.25 U |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.28 U |
| o-Xylene | 0.56 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.

**Container Type: Carbopack X CAMSCO**

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**Client Sample ID: Lab Blank**

**Lab ID#: 2203648-07A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **f032504** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/25/22 12:42 PM** | |
| | | **Date of Extraction: NA** | |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.50 | 0.20 U |
| Benzene | 0.37 | 0.24 J |
| Toluene | 0.48 | 0.24 U |
| Ethyl Benzene | 0.54 | 0.27 U |
| m,p-Xylene | 0.54 | 0.27 U |
| o-Xylene | 0.54 | 0.27 U |

U = The analyte was not present above the Method Detection Limit.
J = Estimated value.
**Container Type: NA - Not Applicable**

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**Client Sample ID: CCV**

**Lab ID#: 2203648-08A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f032515** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/25/22 06:41 PM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Styrene | 108 |
| Benzene | 103 |
| Toluene | 103 |
| Ethyl Benzene | 105 |
| m,p-Xylene | 109 |
| o-Xylene | 107 |

**Container Type: NA - Not Applicable**

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4/19/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th Street
Project #:
Workorder #: 2204178

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 4/7/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by EPA Method 325B are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Kathleen Kaneko
Project Manager

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# WORK ORDER #: 2204178

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 022633-1107 |
| **FAX:** | | **PROJECT #** | Champaign 5th Street |
| **DATE RECEIVED:** | 04/07/2022 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 04/19/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20220323-0406-SE-SAM1 | EPA Method 325B |
| 02A | 20220323-0406-NE-SAM2 | EPA Method 325B |
| 03A | 20220323-0406-SE-SAM3 | EPA Method 325B |
| 04A | 20220323-0406-NW-SAM4 | EPA Method 325B |
| 05A | 20220323-0406-SW-SAM5 | EPA Method 325B |
| 06A | 20220323-0406-SAM6 | EPA Method 325B |
| 07A | Lab Blank | EPA Method 325B |
| 08A | CCV | EPA Method 325B |
| 08B | CCV | EPA Method 325B |
| 08C | CCV | EPA Method 325B |
| 08D | CCV | EPA Method 325B |

CERTIFIED BY: DATE: 04/19/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

*This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.*

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**ATM EPA 325B**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2204178**

Six Carbopack X CAMSCO samples were received on April 07, 2022. The laboratory performed the analysis via EPA Method 325B using GC/MS in the full scan mode.

The mass of each target compound adsorbed by the sampler was converted to units of concentration using the sample deployment time and the uptake rate for each VOC. Uptake rates are adjusted for local conditions and concentrations are reported based on normal ambient temperature and pressure conditions (25 deg C and 760 mm Hg) following the required calculations in EPA Method 325B. These adjustments are reflected in the dilution factor.

## Receiving Notes

There were no receiving discrepancies.

## Analytical Notes

There were no analytical discrepancies.

## Definition of Data Qualifying Flags

The following qualifiers may have been used on the data analysis sheets and indicate as follows:

B - Compound present in field blank(s) greater than 1/3 the compliance limit or measured target analyte (background subtraction not performed).
J - Estimated value - analyte detected between the Method Detection Limit and Reporting Limit.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the MDL value.
I - Internal Standard recovery outside acceptance limits
P - Field Duplicate(s) exceed 30%RPD
Pc- Field Duplicate(s) exceed 30%RPD, concentrations of sample and/or its duplicate less than 2 times reporting limit.
Pl - Field Duplicate(s) exceed 30%RPD, lab anomaly noted.
L - Recovery of bracketing CCV(s) exceeded acceptance limits.
H - Sample analyzed outside of method hold time.
D - Sample duration outside 14+/-1 days
Fe - Field Error or discrepancy
Te - Tube Error or discrepancy
CN - See case narrative explanation.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# EPA METHOD 325B GC/MS FULL SCAN

**Client Sample ID: 20220323-0406-SE-SAM1**

**Lab ID#: 2204178-01A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.20 U |
| Benzene | 0.38 | 1.1 |
| Toluene | 0.50 | 0.82 |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.62 |
| o-Xylene | 0.56 | 0.28 U |

**Client Sample ID: 20220323-0406-NE-SAM2**

**Lab ID#: 2204178-02A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.20 U |
| Benzene | 0.38 | 1.5 |
| Toluene | 0.50 | 0.91 |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.62 |
| o-Xylene | 0.56 | 0.28 U |

**Client Sample ID: 20220323-0406-SE-SAM3**

**Lab ID#: 2204178-03A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.20 U |
| Benzene | 0.38 | 1.3 |
| Toluene | 0.50 | 0.92 |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.50 J |
| o-Xylene | 0.56 | 0.28 U |

**Client Sample ID: 20220323-0406-NW-SAM4**

**Lab ID#: 2204178-04A**

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# Summary of Detected Compounds
# EPA METHOD 325B GC/MS FULL SCAN

**Client Sample ID: 20220323-0406-NW-SAM4**

**Lab ID#: 2204178-04A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.20 U |
| Benzene | 0.38 | 0.94 |
| Toluene | 0.50 | 0.56 |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.28 U |
| o-Xylene | 0.56 | 0.28 U |

**Client Sample ID: 20220323-0406-SW-SAM5**

**Lab ID#: 2204178-05A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.20 U |
| Benzene | 0.38 | 0.50 |
| Toluene | 0.50 | 0.26 J |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.28 U |
| o-Xylene | 0.56 | 0.28 U |

**Client Sample ID: 20220323-0406-SAM6**

**Lab ID#: 2204178-06A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.20 U |
| Benzene | 0.38 | 0.20 J |
| Toluene | 0.50 | 0.25 U |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.28 U |
| o-Xylene | 0.56 | 0.28 U |

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**Client Sample ID: 20220323-0406-SE-SAM1**

**Lab ID#: 2204178-01A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f041123** | **Date of Collection: 4/6/22 10:12:00 AM** |
| **Dil. Factor:** | **1.04** | **Date of Analysis: 4/11/22 09:03 PM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.20 U |
| Benzene | 0.38 | 1.1 |
| Toluene | 0.50 | 0.82 |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.62 |
| o-Xylene | 0.56 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.

**Container Type: Carbopack X CAMSCO**

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**Client Sample ID: 20220323-0406-NE-SAM2**

**Lab ID#: 2204178-02A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f041124** | **Date of Collection: 4/6/22 11:18:00 AM** |
| **Dil. Factor:** | **1.04** | **Date of Analysis: 4/11/22 09:34 PM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.20 U |
| Benzene | 0.38 | 1.5 |
| Toluene | 0.50 | 0.91 |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.62 |
| o-Xylene | 0.56 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.

**Container Type: Carbopack X CAMSCO**

eurofins | Air Toxics

**Client Sample ID: 20220323-0406-SE-SAM3**

**Lab ID#: 2204178-03A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f041125** | **Date of Collection: 4/6/22 10:28:00 AM** |
| **Dil. Factor:** | **1.04** | **Date of Analysis: 4/11/22 10:05 PM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.20 U |
| Benzene | 0.38 | 1.3 |
| Toluene | 0.50 | 0.92 |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.50 J |
| o-Xylene | 0.56 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.
J = Estimated value.
**Container Type: Carbopack X CAMSCO**

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**Client Sample ID: 20220323-0406-NW-SAM4**

**Lab ID#: 2204178-04A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f041127** | **Date of Collection: 4/6/22 11:02:00 AM** |
| **Dil. Factor:** | **1.04** | **Date of Analysis: 4/11/22 11:01 PM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.20 U |
| Benzene | 0.38 | 0.94 |
| Toluene | 0.50 | 0.56 |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.28 U |
| o-Xylene | 0.56 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.

**Container Type: Carbopack X CAMSCO**

eurofins | Air Toxics

**Client Sample ID: 20220323-0406-SW-SAM5**

**Lab ID#: 2204178-05A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f041128** | **Date of Collection: 4/6/22 10:47:00 AM** |
| **Dil. Factor:** | **1.04** | **Date of Analysis: 4/11/22 11:32 PM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.20 U |
| Benzene | 0.38 | 0.50 |
| Toluene | 0.50 | 0.26 J |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.28 U |
| o-Xylene | 0.56 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.
J = Estimated value.
**Container Type: Carbopack X CAMSCO**

eurofins | Air Toxics

**Client Sample ID: 20220323-0406-SAM6**

**Lab ID#: 2204178-06A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f041138** | **Date of Collection: 4/6/22 11:25:00 AM** |
| **Dil. Factor:** | **1.04** | **Date of Analysis: 4/12/22 06:51 AM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.52 | 0.20 U |
| Benzene | 0.38 | 0.20 J |
| Toluene | 0.50 | 0.25 U |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.28 U |
| o-Xylene | 0.56 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.
J = Estimated value.
**Container Type: Carbopack X CAMSCO**

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**Client Sample ID: Lab Blank**

**Lab ID#: 2204178-07A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **f041104** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/11/22 11:01 AM** | |
| | | **Date of Extraction: NA** | |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.50 | 0.20 U |
| Benzene | 0.37 | 0.19 J |
| Toluene | 0.48 | 0.24 U |
| Ethyl Benzene | 0.54 | 0.27 U |
| m,p-Xylene | 0.54 | 0.27 U |
| o-Xylene | 0.54 | 0.27 U |

U = The analyte was not present above the Method Detection Limit.
J = Estimated value.
**Container Type: NA - Not Applicable**

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**Client Sample ID: CCV**

**Lab ID#: 2204178-08A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f041115** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/11/22 04:56 PM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Styrene | 107 |
| Benzene | 102 |
| Toluene | 102 |
| Ethyl Benzene | 104 |
| m,p-Xylene | 106 |
| o-Xylene | 106 |

**Container Type: NA - Not Applicable**

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**Client Sample ID: CCV**

**Lab ID#: 2204178-08B**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f041126** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/11/22 10:32 PM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Styrene | 104 |
| Benzene | 97 |
| Toluene | 99 |
| Ethyl Benzene | 100 |
| m,p-Xylene | 102 |
| o-Xylene | 102 |

**Container Type: NA - Not Applicable**

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**Client Sample ID: CCV**

**Lab ID#: 2204178-08C**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f041137** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/12/22 03:04 AM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Styrene | 105 |
| Benzene | 100 |
| Toluene | 100 |
| Ethyl Benzene | 100 |
| m,p-Xylene | 103 |
| o-Xylene | 104 |

**Container Type: NA - Not Applicable**

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**Client Sample ID: CCV**

**Lab ID#: 2204178-08D**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f041139** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/12/22 07:17 AM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Styrene | 104 |
| Benzene | 103 |
| Toluene | 103 |
| Ethyl Benzene | 102 |
| m,p-Xylene | 104 |
| o-Xylene | 106 |

**Container Type: NA - Not Applicable**

eurofins | Air Toxics

5/4/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th St
Project #:
Workorder #: 2204538

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 4/21/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by EPA Method 325B are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

eurofins | Air Toxics

# WORK ORDER #: 2204538

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 022633-1107 |
| **FAX:** | | **PROJECT #** | Champaign 5th St |
| **DATE RECEIVED:** | 04/21/2022 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 05/04/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20220406-20-SE-SAM1 | EPA Method 325B |
| 02A | 20220406-20-NE-SAM2 | EPA Method 325B |
| 03A | 20220406-20-SE-SAM3 | EPA Method 325B |
| 04A | 20220406-20-NW-SAM4 | EPA Method 325B |
| 05A | 20220406-20-SW-SAM5 | EPA Method 325B |
| 06A | 20220406-20-SAM6 | EPA Method 325B |
| 07A | Lab Blank | EPA Method 325B |
| 08A | CCV | EPA Method 325B |

CERTIFIED BY: DATE: 05/04/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**ATM EPA 325B**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2204538**

Six Carbopack X CAMSCO samples were received on April 21, 2022. The laboratory performed the analysis via EPA Method 325B using GC/MS in the full scan mode.

The mass of each target compound adsorbed by the sampler was converted to units of concentration using the sample deployment time and the uptake rate for each VOC. Uptake rates are adjusted for local conditions and concentrations are reported based on normal ambient temperature and pressure conditions (25 deg C and 760 mm Hg) following the required calculations in EPA Method 325B. These adjustments are reflected in the dilution factor.

## Receiving Notes

There were no receiving discrepancies.

## Analytical Notes

There were no analytical discrepancies.

## Definition of Data Qualifying Flags

The following qualifiers may have been used on the data analysis sheets and indicate as follows:

B - Compound present in field blank(s) greater than 1/3 the compliance limit or measured target analyte (background subtraction not performed).
J - Estimated value - analyte detected between the Method Detection Limit and Reporting Limit.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the MDL value.
I - Internal Standard recovery outside acceptance limits
P - Field Duplicate(s) exceed 30%RPD
Pc- Field Duplicate(s) exceed 30%RPD, concentrations of sample and/or its duplicate less than 2 times reporting limit.
Pl - Field Duplicate(s) exceed 30%RPD, lab anomaly noted.
L - Recovery of bracketing CCV(s) exceeded acceptance limits.
H - Sample analyzed outside of method hold time.
D - Sample duration outside 14+/-1 days
Fe - Field Error or discrepancy
Te - Tube Error or discrepancy
CN - See case narrative explanation.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# EPA METHOD 325B GC/MS FULL SCAN

**Client Sample ID: 20220406-20-SE-SAM1**

**Lab ID#: 2204538-01A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.51 | 0.20 U |
| Benzene | 0.38 | 0.85 |
| Toluene | 0.49 | 1.4 |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.37 J |
| o-Xylene | 0.56 | 0.28 U |

**Client Sample ID: 20220406-20-NE-SAM2**

**Lab ID#: 2204538-02A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.51 | 0.20 U |
| Benzene | 0.38 | 0.87 |
| Toluene | 0.49 | 0.49 J |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.28 U |
| o-Xylene | 0.56 | 0.28 U |

**Client Sample ID: 20220406-20-SE-SAM3**

**Lab ID#: 2204538-03A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.51 | 0.20 U |
| Benzene | 0.38 | 0.88 |
| Toluene | 0.49 | 0.54 |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.28 U |
| o-Xylene | 0.56 | 0.28 U |

**Client Sample ID: 20220406-20-NW-SAM4**

**Lab ID#: 2204538-04A**

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# Summary of Detected Compounds
# EPA METHOD 325B GC/MS FULL SCAN

**Client Sample ID: 20220406-20-NW-SAM4**

**Lab ID#: 2204538-04A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.51 | 0.20 U |
| Benzene | 0.38 | 0.61 |
| Toluene | 0.49 | 0.44 J |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.28 U |
| o-Xylene | 0.56 | 0.28 U |

**Client Sample ID: 20220406-20-SW-SAM5**

**Lab ID#: 2204538-05A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.51 | 0.20 U |
| Benzene | 0.38 | 0.86 |
| Toluene | 0.49 | 0.46 J |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.28 U |
| o-Xylene | 0.56 | 0.28 U |

**Client Sample ID: 20220406-20-SAM6**

**Lab ID#: 2204538-06A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.51 | 0.20 U |
| Benzene | 0.38 | 0.36 J |
| Toluene | 0.49 | 0.24 U |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.28 U |
| o-Xylene | 0.56 | 0.28 U |

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**Client Sample ID: 20220406-20-SE-SAM1**

**Lab ID#: 2204538-01A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f043005** | **Date of Collection: 4/20/22 8:31:00 AM** |
| **Dil. Factor:** | **1.03** | **Date of Analysis: 4/30/22 09:58 AM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.51 | 0.20 U |
| Benzene | 0.38 | 0.85 |
| Toluene | 0.49 | 1.4 |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.37 J |
| o-Xylene | 0.56 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.
J = Estimated value.
**Container Type: Carbopack X CAMSCO**

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**Client Sample ID: 20220406-20-NE-SAM2**

**Lab ID#: 2204538-02A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f043006** | **Date of Collection: 4/20/22 8:21:00 AM** |
| **Dil. Factor:** | **1.03** | **Date of Analysis: 4/30/22 10:27 AM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.51 | 0.20 U |
| Benzene | 0.38 | 0.87 |
| Toluene | 0.49 | 0.49 J |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.28 U |
| o-Xylene | 0.56 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.
J = Estimated value.
**Container Type: Carbopack X CAMSCO**

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**Client Sample ID: 20220406-20-SE-SAM3**

**Lab ID#: 2204538-03A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f043007** | **Date of Collection: 4/20/22 8:27:00 AM** |
| **Dil. Factor:** | **1.03** | **Date of Analysis: 4/30/22 10:56 AM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.51 | 0.20 U |
| Benzene | 0.38 | 0.88 |
| Toluene | 0.49 | 0.54 |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.28 U |
| o-Xylene | 0.56 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.

**Container Type: Carbopack X CAMSCO**

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**Client Sample ID: 20220406-20-NW-SAM4**

**Lab ID#: 2204538-04A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f043008** | **Date of Collection: 4/20/22 8:16:00 AM** |
| **Dil. Factor:** | **1.03** | **Date of Analysis: 4/30/22 11:25 AM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.51 | 0.20 U |
| Benzene | 0.38 | 0.61 |
| Toluene | 0.49 | 0.44 J |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.28 U |
| o-Xylene | 0.56 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.
J = Estimated value.
**Container Type: Carbopack X CAMSCO**

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**Client Sample ID: 20220406-20-SW-SAM5**

**Lab ID#: 2204538-05A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f043009** | **Date of Collection: 4/20/22 8:10:00 AM** |
| **Dil. Factor:** | **1.03** | **Date of Analysis: 4/30/22 11:54 AM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.51 | 0.20 U |
| Benzene | 0.38 | 0.86 |
| Toluene | 0.49 | 0.46 J |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.28 U |
| o-Xylene | 0.56 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.
J = Estimated value.
**Container Type: Carbopack X CAMSCO**

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**Client Sample ID: 20220406-20-SAM6**

**Lab ID#: 2204538-06A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f043010** | **Date of Collection: 4/20/22 8:29:00 AM** |
| **Dil. Factor:** | **1.03** | **Date of Analysis: 4/30/22 12:23 PM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.51 | 0.20 U |
| Benzene | 0.38 | 0.36 J |
| Toluene | 0.49 | 0.24 U |
| Ethyl Benzene | 0.56 | 0.28 U |
| m,p-Xylene | 0.56 | 0.28 U |
| o-Xylene | 0.56 | 0.28 U |

U = The analyte was not present above the Method Detection Limit.
J = Estimated value.
**Container Type: Carbopack X CAMSCO**

eurofins | Air Toxics

**Client Sample ID: Lab Blank**

**Lab ID#: 2204538-07A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **f043004** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/30/22 07:59 AM** | |
| | | **Date of Extraction: NA** | |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.50 | 0.20 U |
| Benzene | 0.37 | 0.18 U |
| Toluene | 0.48 | 0.24 U |
| Ethyl Benzene | 0.54 | 0.27 U |
| m,p-Xylene | 0.54 | 0.27 U |
| o-Xylene | 0.54 | 0.27 U |

U = The analyte was not present above the Method Detection Limit.

**Container Type: NA - Not Applicable**

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**Client Sample ID: CCV**

**Lab ID#: 2204538-08A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f043011** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/30/22 12:49 PM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Styrene | 113 |
| Benzene | 100 |
| Toluene | 96 |
| Ethyl Benzene | 105 |
| m,p-Xylene | 106 |
| o-Xylene | 108 |

**Container Type: NA - Not Applicable**

eurofins | Air Toxics

5/16/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th St.
Project #:
Workorder #: 2205043

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 5/3/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by EPA Method 325B are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Kathleen Kaneko
Project Manager

eurofins | Air Toxics

# WORK ORDER #: 2205043

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 022633-1107 |
| **FAX:** | | **PROJECT #** | Champaign 5th St. |
| **DATE RECEIVED:** | 05/03/2022 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 05/16/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20220420-29-SE-SAM1 | EPA Method 325B |
| 02A | 20220420-29-NE-SAM2 | EPA Method 325B |
| 03A | 20220420-29-SE-SAM3 | EPA Method 325B |
| 04A | 20220420-29-NW-SAM4 | EPA Method 325B |
| 05A | 20220420-29-SW-SAM5 | EPA Method 325B |
| 06A | 20220420-29-SAM6 | EPA Method 325B |
| 07A | Lab Blank | EPA Method 325B |
| 08A | CCV | EPA Method 325B |
| 08B | CCV | EPA Method 325B |
| 08C | CCV | EPA Method 325B |

CERTIFIED BY: DATE: 05/16/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**ATM EPA 325B**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2205043**

Six Carbopack X CAMSCO samples were received on May 03, 2022. The laboratory performed the analysis via EPA Method 325B using GC/MS in the full scan mode.

The mass of each target compound adsorbed by the sampler was converted to units of concentration using the sample deployment time and the uptake rate for each VOC. Uptake rates are adjusted for local conditions and concentrations are reported based on normal ambient temperature and pressure conditions (25 deg C and 760 mm Hg) following the required calculations in EPA Method 325B. These adjustments are reflected in the dilution factor.

## Receiving Notes

There were no receiving discrepancies.

## Analytical Notes

There were no analytical discrepancies.

## Definition of Data Qualifying Flags

The following qualifiers may have been used on the data analysis sheets and indicate as follows:

B - Compound present in field blank(s) greater than 1/3 the compliance limit or measured target analyte (background subtraction not performed).
J - Estimated value - analyte detected between the Method Detection Limit and Reporting Limit.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the MDL value.
I - Internal Standard recovery outside acceptance limits
P - Field Duplicate(s) exceed 30%RPD
Pc- Field Duplicate(s) exceed 30%RPD, concentrations of sample and/or its duplicate less than 2 times reporting limit.
Pl - Field Duplicate(s) exceed 30%RPD, lab anomaly noted.
L - Recovery of bracketing CCV(s) exceeded acceptance limits.
H - Sample analyzed outside of method hold time.
D - Sample duration outside 14+/-1 days
Fe - Field Error or discrepancy
Te - Tube Error or discrepancy
CN - See case narrative explanation.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# EPA METHOD 325B GC/MS FULL SCAN

**Client Sample ID: 20220420-29-SE-SAM1**

**Lab ID#: 2205043-01A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.78 | 0.32 U |
| Benzene | 0.59 | 0.49 J |
| Toluene | 0.75 | 0.64 J |
| Ethyl Benzene | 0.86 | 0.43 U |
| m,p-Xylene | 0.86 | 0.43 U |
| o-Xylene | 0.86 | 0.43 U |

**Client Sample ID: 20220420-29-NE-SAM2**

**Lab ID#: 2205043-02A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.78 | 0.32 U |
| Benzene | 0.59 | 0.39 J |
| Toluene | 0.75 | 0.46 J |
| Ethyl Benzene | 0.86 | 0.43 U |
| m,p-Xylene | 0.86 | 0.43 U |
| o-Xylene | 0.86 | 0.43 U |

**Client Sample ID: 20220420-29-SE-SAM3**

**Lab ID#: 2205043-03A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.78 | 0.32 U |
| Benzene | 0.59 | 0.39 J |
| Toluene | 0.75 | 0.58 J |
| Ethyl Benzene | 0.86 | 0.43 U |
| m,p-Xylene | 0.86 | 0.43 U |
| o-Xylene | 0.86 | 0.43 U |

**Client Sample ID: 20220420-29-NW-SAM4**

**Lab ID#: 2205043-04A**

eurofins | Air Toxics

# Summary of Detected Compounds
# EPA METHOD 325B GC/MS FULL SCAN

**Client Sample ID: 20220420-29-NW-SAM4**

**Lab ID#: 2205043-04A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.78 | 0.32 U |
| Benzene | 0.59 | 0.59 |
| Toluene | 0.75 | 0.59 J |
| Ethyl Benzene | 0.86 | 0.43 U |
| m,p-Xylene | 0.86 | 0.43 U |
| o-Xylene | 0.86 | 0.43 U |

**Client Sample ID: 20220420-29-SW-SAM5**

**Lab ID#: 2205043-05A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.78 | 0.32 U |
| Benzene | 0.59 | 0.51 J |
| Toluene | 0.75 | 0.76 |
| Ethyl Benzene | 0.86 | 0.43 U |
| m,p-Xylene | 0.86 | 0.43 U |
| o-Xylene | 0.86 | 0.43 U |

**Client Sample ID: 20220420-29-SAM6**

**Lab ID#: 2205043-06A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.78 | 0.32 U |
| Benzene | 0.59 | 0.29 U |
| Toluene | 0.75 | 0.38 U |
| Ethyl Benzene | 0.86 | 0.43 U |
| m,p-Xylene | 0.86 | 0.43 U |
| o-Xylene | 0.86 | 0.43 U |

eurofins | Air Toxics

**Client Sample ID: 20220420-29-SE-SAM1**

**Lab ID#: 2205043-01A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **10050434** | **Date of Collection: 4/29/22 8:30:00 AM** |
| **Dil. Factor:** | **1.02** | **Date of Analysis: 5/5/22 02:34 AM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.78 | 0.32 U |
| Benzene | 0.59 | 0.49 J |
| Toluene | 0.75 | 0.64 J |
| Ethyl Benzene | 0.86 | 0.43 U |
| m,p-Xylene | 0.86 | 0.43 U |
| o-Xylene | 0.86 | 0.43 U |

U = The analyte was not present above the Method Detection Limit.
J = Estimated value.
**Container Type: Carbopack X CAMSCO**

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**Client Sample ID: 20220420-29-NE-SAM2**

**Lab ID#: 2205043-02A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **10050435** | **Date of Collection: 4/29/22 8:41:00 AM** |
| **Dil. Factor:** | **1.02** | **Date of Analysis: 5/5/22 03:07 AM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.78 | 0.32 U |
| Benzene | 0.59 | 0.39 J |
| Toluene | 0.75 | 0.46 J |
| Ethyl Benzene | 0.86 | 0.43 U |
| m,p-Xylene | 0.86 | 0.43 U |
| o-Xylene | 0.86 | 0.43 U |

U = The analyte was not present above the Method Detection Limit.
J = Estimated value.
**Container Type: Carbopack X CAMSCO**

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**Client Sample ID: 20220420-29-SE-SAM3**

**Lab ID#: 2205043-03A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **10050436** | **Date of Collection: 4/29/22 8:44:00 AM** |
| **Dil. Factor:** | **1.02** | **Date of Analysis: 5/5/22 03:38 AM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.78 | 0.32 U |
| Benzene | 0.59 | 0.39 J |
| Toluene | 0.75 | 0.58 J |
| Ethyl Benzene | 0.86 | 0.43 U |
| m,p-Xylene | 0.86 | 0.43 U |
| o-Xylene | 0.86 | 0.43 U |

U = The analyte was not present above the Method Detection Limit.
J = Estimated value.
**Container Type: Carbopack X CAMSCO**

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**Client Sample ID: 20220420-29-NW-SAM4**

**Lab ID#: 2205043-04A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **10050438** | **Date of Collection: 4/29/22 8:44:00 AM** |
| **Dil. Factor:** | **1.02** | **Date of Analysis: 5/5/22 04:34 AM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.78 | 0.32 U |
| Benzene | 0.59 | 0.59 |
| Toluene | 0.75 | 0.59 J |
| Ethyl Benzene | 0.86 | 0.43 U |
| m,p-Xylene | 0.86 | 0.43 U |
| o-Xylene | 0.86 | 0.43 U |

U = The analyte was not present above the Method Detection Limit.
J = Estimated value.
**Container Type: Carbopack X CAMSCO**

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**Client Sample ID: 20220420-29-SW-SAM5**

**Lab ID#: 2205043-05A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **10050439** | **Date of Collection: 4/29/22 8:54:00 AM** |
| **Dil. Factor:** | **1.02** | **Date of Analysis: 5/5/22 05:06 AM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.78 | 0.32 U |
| Benzene | 0.59 | 0.51 J |
| Toluene | 0.75 | 0.76 |
| Ethyl Benzene | 0.86 | 0.43 U |
| m,p-Xylene | 0.86 | 0.43 U |
| o-Xylene | 0.86 | 0.43 U |

U = The analyte was not present above the Method Detection Limit.
J = Estimated value.
**Container Type: Carbopack X CAMSCO**

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**Client Sample ID: 20220420-29-SAM6**

**Lab ID#: 2205043-06A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **10050440** | **Date of Collection: 4/29/22 8:56:00 AM** |
| **Dil. Factor:** | **1.02** | **Date of Analysis: 5/5/22 05:37 AM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.78 | 0.32 U |
| Benzene | 0.59 | 0.29 U |
| Toluene | 0.75 | 0.38 U |
| Ethyl Benzene | 0.86 | 0.43 U |
| m,p-Xylene | 0.86 | 0.43 U |
| o-Xylene | 0.86 | 0.43 U |

U = The analyte was not present above the Method Detection Limit.

**Container Type: Carbopack X CAMSCO**

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**Client Sample ID: Lab Blank**

**Lab ID#: 2205043-07A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **10050404a** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/4/22 10:44 AM** | |
| | | **Date of Extraction: NA** | |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.77 | 0.31 U |
| Benzene | 0.58 | 0.29 U |
| Toluene | 0.74 | 0.37 U |
| Ethyl Benzene | 0.84 | 0.42 U |
| m,p-Xylene | 0.84 | 0.42 U |
| o-Xylene | 0.84 | 0.42 U |

U = The analyte was not present above the Method Detection Limit.

**Container Type: NA - Not Applicable**

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**Client Sample ID: CCV**

**Lab ID#: 2205043-08A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **10050426** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/4/22 10:25 PM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Styrene | 128 |
| Benzene | 109 |
| Toluene | 116 |
| Ethyl Benzene | 117 |
| m,p-Xylene | 120 |
| o-Xylene | 116 |

**Container Type: NA - Not Applicable**

eurofins | Air Toxics

**Client Sample ID: CCV**

**Lab ID#: 2205043-08B**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **10050437** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/5/22 04:03 AM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Styrene | 123 |
| Benzene | 110 |
| Toluene | 114 |
| Ethyl Benzene | 114 |
| m,p-Xylene | 115 |
| o-Xylene | 111 |

**Container Type: NA - Not Applicable**

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**Client Sample ID: CCV**

**Lab ID#: 2205043-08C**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **10050441** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/5/22 06:02 AM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Styrene | 120 |
| Benzene | 118 |
| Toluene | 115 |
| Ethyl Benzene | 112 |
| m,p-Xylene | 113 |
| o-Xylene | 109 |

**Container Type: NA - Not Applicable**

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5/25/2022

Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th St.
Project #:
Workorder #: 2205357

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 5/16/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by EPA Method 325B are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

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# WORK ORDER #: 2205357

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 012633-1107 |
| **FAX:** | | **PROJECT #** | Champaign 5th St. |
| **DATE RECEIVED:** | 05/16/2022 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 05/19/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20220429-05-SE-SAM1 | EPA Method 325B |
| 02A | 20220429-05-NE-SAM2 | EPA Method 325B |
| 03A | 20220429-05-SE-SAM3 | EPA Method 325B |
| 04A | 20220429-05-NW-SAM4 | EPA Method 325B |
| 05A | 20220429-05-SW-SAM5 | EPA Method 325B |
| 06A | 20220429-05-SAM6 | EPA Method 325B |
| 07A | Lab Blank | EPA Method 325B |
| 08A | CCV | EPA Method 325B |
| 08B | CCV | EPA Method 325B |
| 08C | CCV | EPA Method 325B |

CERTIFIED BY: Heidi Hayes DATE: 05/20/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

*This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.*

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**ATM EPA 325B**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2205357**

Six Carbopack X CAMSCO samples were received on May 16, 2022. The laboratory performed the analysis via EPA Method 325B using GC/MS in the full scan mode.

The mass of each target compound adsorbed by the sampler was converted to units of concentration using the sample deployment time and the uptake rate for each VOC. Uptake rates are adjusted for local conditions and concentrations are reported based on normal ambient temperature and pressure conditions (25 deg C and 760 mm Hg) following the required calculations in EPA Method 325B. These adjustments are reflected in the dilution factor.

## Receiving Notes

Samples 20220429-05-NE-SAM2 and 20220429-05-SE-SAM3 collected using tube 1155768 and 1155791 were received with completely untightened storage caps. Client was notified and directed the laboratory to analyze and report the affected sample.

Sample collection time was not provided on the Chain of Custody for sample 20220429-05-SAM6. The client was contacted and a time of 0830 was provided.

## Analytical Notes

There were no analytical discrepancies.

## Definition of Data Qualifying Flags

The following qualifiers may have been used on the data analysis sheets and indicate as follows:

B - Compound present in field blank(s) greater than 1/3 the compliance limit or measured target analyte (background subtraction not performed).
J - Estimated value - analyte detected between the Method Detection Limit and Reporting Limit.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the MDL value.
I - Internal Standard recovery outside acceptance limits
P - Field Duplicate(s) exceed 30%RPD
Pc- Field Duplicate(s) exceed 30%RPD, concentrations of sample and/or its duplicate less than 2 times reporting limit.
Pl - Field Duplicate(s) exceed 30%RPD, lab anomaly noted.
L - Recovery of bracketing CCV(s) exceeded acceptance limits.
H - Sample analyzed outside of method hold time.
D - Sample duration outside 14+/-1 days
Fe - Field Error or discrepancy
Te - Tube Error or discrepancy
CN - See case narrative explanation.

File extensions may have been used on the data analysis sheets and indicates

as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# EPA METHOD 325B GC/MS FULL SCAN

**Client Sample ID: 20220429-05-SE-SAM1**

**Lab ID#: 2205357-01A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.51 | 0.20 U |
| Benzene | 0.37 | 0.39 |
| Toluene | 0.48 | 0.36 J |
| Ethyl Benzene | 0.55 | 0.27 U |
| m,p-Xylene | 0.55 | 0.27 U |
| o-Xylene | 0.55 | 0.27 U |

**Client Sample ID: 20220429-05-NE-SAM2**

**Lab ID#: 2205357-02A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.51 | 0.20 U |
| Benzene | 0.37 | 0.42 |
| Toluene | 0.48 | 0.60 |
| Ethyl Benzene | 0.55 | 0.27 U |
| m,p-Xylene | 0.55 | 0.27 U |
| o-Xylene | 0.55 | 0.27 U |

**Client Sample ID: 20220429-05-SE-SAM3**

**Lab ID#: 2205357-03A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.51 | 0.20 U |
| Benzene | 0.37 | 0.53 |
| Toluene | 0.48 | 0.64 |
| Ethyl Benzene | 0.55 | 0.27 U |
| m,p-Xylene | 0.55 | 0.27 U |
| o-Xylene | 0.55 | 0.27 U |

**Client Sample ID: 20220429-05-NW-SAM4**

**Lab ID#: 2205357-04A**

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# Summary of Detected Compounds
# EPA METHOD 325B GC/MS FULL SCAN

**Client Sample ID: 20220429-05-NW-SAM4**

**Lab ID#: 2205357-04A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.51 | 0.20 U |
| Benzene | 0.37 | 0.40 |
| Toluene | 0.48 | 0.41 J |
| Ethyl Benzene | 0.55 | 0.27 U |
| m,p-Xylene | 0.55 | 0.27 U |
| o-Xylene | 0.55 | 0.27 U |

**Client Sample ID: 20220429-05-SW-SAM5**

**Lab ID#: 2205357-05A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.51 | 0.20 U |
| Benzene | 0.37 | 0.49 |
| Toluene | 0.48 | 0.46 J |
| Ethyl Benzene | 0.55 | 0.27 U |
| m,p-Xylene | 0.55 | 0.27 U |
| o-Xylene | 0.55 | 0.27 U |

**Client Sample ID: 20220429-05-SAM6**

**Lab ID#: 2205357-06A**

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.51 | 0.20 U |
| Benzene | 0.37 | 0.19 U |
| Toluene | 0.48 | 0.24 U |
| Ethyl Benzene | 0.55 | 0.27 U |
| m,p-Xylene | 0.55 | 0.27 U |
| o-Xylene | 0.55 | 0.27 U |

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**Client Sample ID: 20220429-05-SE-SAM1**

**Lab ID#: 2205357-01A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f051723** | **Date of Collection: 5/13/22 08:14:00** |
| **Dil. Factor:** | **1.01** | **Date of Analysis: 5/17/22 08:52 PM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.51 | 0.20 U |
| Benzene | 0.37 | 0.39 |
| Toluene | 0.48 | 0.36 J |
| Ethyl Benzene | 0.55 | 0.27 U |
| m,p-Xylene | 0.55 | 0.27 U |
| o-Xylene | 0.55 | 0.27 U |

U = The analyte was not present above the Method Detection Limit.
J = Estimated value.
**Container Type: Carbopack X CAMSCO**

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**Client Sample ID: 20220429-05-NE-SAM2**

**Lab ID#: 2205357-02A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **f051724** | **Date of Collection:** | **5/13/22 08:18:00** |
| **Dil. Factor:** | **1.01** | **Date of Analysis:** | **5/17/22 09:23 PM** |
| | | **Date of Extraction:** | **NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.51 | 0.20 U |
| Benzene | 0.37 | 0.42 |
| Toluene | 0.48 | 0.60 |
| Ethyl Benzene | 0.55 | 0.27 U |
| m,p-Xylene | 0.55 | 0.27 U |
| o-Xylene | 0.55 | 0.27 U |

U = The analyte was not present above the Method Detection Limit.

**Container Type: Carbopack X CAMSCO**

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**Client Sample ID: 20220429-05-SE-SAM3**

**Lab ID#: 2205357-03A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f051725** | **Date of Collection: 5/13/22 08:15:00** |
| **Dil. Factor:** | **1.01** | **Date of Analysis: 5/17/22 09:54 PM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.51 | 0.20 U |
| Benzene | 0.37 | 0.53 |
| Toluene | 0.48 | 0.64 |
| Ethyl Benzene | 0.55 | 0.27 U |
| m,p-Xylene | 0.55 | 0.27 U |
| o-Xylene | 0.55 | 0.27 U |

U = The analyte was not present above the Method Detection Limit.

**Container Type: Carbopack X CAMSCO**

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**Client Sample ID: 20220429-05-NW-SAM4**

**Lab ID#: 2205357-04A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f051727** | **Date of Collection: 5/13/22 08:20:00** |
| **Dil. Factor:** | **1.01** | **Date of Analysis: 5/17/22 10:50 PM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.51 | 0.20 U |
| Benzene | 0.37 | 0.40 |
| Toluene | 0.48 | 0.41 J |
| Ethyl Benzene | 0.55 | 0.27 U |
| m,p-Xylene | 0.55 | 0.27 U |
| o-Xylene | 0.55 | 0.27 U |

U = The analyte was not present above the Method Detection Limit.
J = Estimated value.
**Container Type: Carbopack X CAMSCO**

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**Client Sample ID: 20220429-05-SW-SAM5**

**Lab ID#: 2205357-05A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f051728** | **Date of Collection: 5/13/22 08:22:00** |
| **Dil. Factor:** | **1.01** | **Date of Analysis: 5/17/22 11:21 PM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.51 | 0.20 U |
| Benzene | 0.37 | 0.49 |
| Toluene | 0.48 | 0.46 J |
| Ethyl Benzene | 0.55 | 0.27 U |
| m,p-Xylene | 0.55 | 0.27 U |
| o-Xylene | 0.55 | 0.27 U |

U = The analyte was not present above the Method Detection Limit.
J = Estimated value.
**Container Type: Carbopack X CAMSCO**

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**Client Sample ID: 20220429-05-SAM6**

**Lab ID#: 2205357-06A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f051729** | **Date of Collection: 5/13/22 08:30:00** |
| **Dil. Factor:** | **1.01** | **Date of Analysis: 5/17/22 11:52 PM** |
| | | **Date of Extraction: NA** |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.51 | 0.20 U |
| Benzene | 0.37 | 0.19 U |
| Toluene | 0.48 | 0.24 U |
| Ethyl Benzene | 0.55 | 0.27 U |
| m,p-Xylene | 0.55 | 0.27 U |
| o-Xylene | 0.55 | 0.27 U |

U = The analyte was not present above the Method Detection Limit.

**Container Type: Carbopack X CAMSCO**

eurofins | Air Toxics

**Client Sample ID: Lab Blank**

**Lab ID#: 2205357-07A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **f051704** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/17/22 10:45 AM** | |
| | | **Date of Extraction: NA** | |

| Compound | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|
| Styrene | 0.50 | 0.20 U |
| Benzene | 0.37 | 0.18 U |
| Toluene | 0.48 | 0.24 U |
| Ethyl Benzene | 0.54 | 0.27 U |
| m,p-Xylene | 0.54 | 0.27 U |
| o-Xylene | 0.54 | 0.27 U |

U = The analyte was not present above the Method Detection Limit.

**Container Type: NA - Not Applicable**

eurofins | Air Toxics

**Client Sample ID: CCV**

**Lab ID#: 2205357-08A**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f051715** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/17/22 04:43 PM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Styrene | 111 |
| Benzene | 104 |
| Toluene | 105 |
| Ethyl Benzene | 99 |
| m,p-Xylene | 102 |
| o-Xylene | 100 |

**Container Type: NA - Not Applicable**

eurofins | Air Toxics

**Client Sample ID: CCV**

**Lab ID#: 2205357-08B**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f051726** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/17/22 10:21 PM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Styrene | 117 |
| Benzene | 103 |
| Toluene | 104 |
| Ethyl Benzene | 105 |
| m,p-Xylene | 109 |
| o-Xylene | 108 |

**Container Type: NA - Not Applicable**

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**Client Sample ID: CCV**

**Lab ID#: 2205357-08C**

**EPA METHOD 325B GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **f051736** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/18/22 02:46 AM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Styrene | 118 |
| Benzene | 108 |
| Toluene | 105 |
| Ethyl Benzene | 108 |
| m,p-Xylene | 110 |
| o-Xylene | 107 |

**Container Type: NA - Not Applicable**

# APPENDIX F LABORATORY ANALYTICAL REPORTS (METHOD TO-13A)

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12/22/2021
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th St.
Project #: 0529307
Workorder #: 2112210

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 12/10/2021 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-13A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

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# WORK ORDER #: 2112210

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 0529307 |
| **FAX:** | | **PROJECT #** | 0529307 Champaign 5th St. |
| **DATE RECEIVED:** | 12/10/2021 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 12/22/2021 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 21211206-09-Blank | Modified TO-13A |
| 02A | 21211206-09-NW-Camp 4 | Modified TO-13A |
| 03A | 21211206-09-NE-Camp 2 | Modified TO-13A |
| 04A | 21211206-09-SW-Camp 5 | Modified TO-13A |
| 05A | 21211206-09-SE-Camp 1 | Modified TO-13A |
| 06A | 21211206-09-SE-Camp 3 | Modified TO-13A |
| 07A | 21211203-06-NW-Camp4 | Modified TO-13A |
| 08A | 21211203-06-NE-Camp2 | Modified TO-13A |
| 09A | 21211203-06-SW-Camp5 | Modified TO-13A |
| 10A | 21211203-06-SE-Camp1 | Modified TO-13A |
| 11A | 21211203-06-SE-Camp3 | Modified TO-13A |
| 12A | Lab Blank | Modified TO-13A |
| 13A | CCV | Modified TO-13A |
| 14A | LCS | Modified TO-13A |
| 14AA | LCSD | Modified TO-13A |

CERTIFIED BY: Heidi Hayes DATE: 12/22/21

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

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**LABORATORY NARRATIVE**
**Modified TO-13A**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2112210**

Eleven PUF/XAD Cartridge-Low Volume samples were received on December 10, 2021. The laboratory performed the analysis for polycyclic aromatic hydrocarbons in air by modified EPA Method TO-13A. The PUF/XAD samples were extracted using Pressurized Fluid Extraction (PFE) by EPA Method 3545A. The sample extract was then concentrated to 1.0 mL and analyzed by GC/MS in the full scan mode.

To meet the quality control objectives outlined in Method TO-13A, a field blank is required for each sampling episode. If field blanks are not provided to the laboratory, any attendant risk to data quality is the responsibility of the data user.

The frequency of matrix spikes are determined by the different monitoring programs. Matrix spikes are not included in the routine calibration specifications for TO-13A.

| ***Requirement*** | ***TO-13A*** | ***ATL Modifications*** |
|---|---|---|
| Initial Calibration | Calibration range: 0.1-2.5 ug/mL in Hexane | Calibration range: 1.0-500 ug/mL in Methylene chloride |
| Method Blank | <MDL | <Reporting limit |
| Surrogate Recoveries | 60-120% | 50-150% for Field Surrogates<br>Fluoranthene-d10 and Benzo(a)pyrene-d12 |

## Receiving Notes

Per client request via email on 12/14/21, the identification of samples 21211206-09-NW-Camp 4 21211206-09-NE-Camp 2, 21211206-09-SW-Camp 5, 21211206-09-SE-Camp 1 and 21211206-09-SE-Camp 3 were revised to 21211203-06-NW-Camp4, 21211203-06-NE-Camp2, 21211203-06-SW-Camp5, 21211203-06-SE-Camp1 and 21211203-06-SE-Camp3. As a result, the sample identifications no longer matches the information on the Chain of Custody.

According to the Chain of Custody (COC), sample 21211206-09-SE-Camp 3 was collected on 12/9/21. However, the date on the sample tag reflects a collection date of 12/6/21. Therefore the date on the COC was used to calculate the sample holding time.

## Analytical Notes

The sample cartridges were pre-spiked with Fluoranthene-d10 and Benzo(a)Pyrene-d12 on 11/29/2021.

Naphthalene was detected in the Laboratory Blank. Due to the nature of PUF/XAD2 extraction it is not possible to re-extract the associated samples. Associated results are "B" flagged.

The recovery for Anthracene in the LCSD was outside the laboratory control limits. Due to the nature of PUF/XAD2 extraction, it is not possible to re-extract the associated samples. All other LCSD recoveries were within allowed limits.

**Definition of Data Qualifying Flags**

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
E - Exceeds instrument calibration range.
Q - Exceeds quality control limits.
S - Saturated peak.
J - Estimated value.
B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

**Client Sample ID: 21211206-09-Blank**

**Lab ID#: 2112210-01A**

No Detections Were Found.

**Client Sample ID: 21211206-09-NW-Camp 4**

**Lab ID#: 2112210-02A**

No Detections Were Found.

**Client Sample ID: 21211206-09-NE-Camp 2**

**Lab ID#: 2112210-03A**

No Detections Were Found.

**Client Sample ID: 21211206-09-SW-Camp 5**

**Lab ID#: 2112210-04A**

No Detections Were Found.

**Client Sample ID: 21211206-09-SE-Camp 1**

**Lab ID#: 2112210-05A**

No Detections Were Found.

**Client Sample ID: 21211206-09-SE-Camp 3**

**Lab ID#: 2112210-06A**

No Detections Were Found.

**Client Sample ID: 21211203-06-NW-Camp4**

**Lab ID#: 2112210-07A**

No Detections Were Found.

**Client Sample ID: 21211203-06-NE-Camp2**

**Lab ID#: 2112210-08A**

No Detections Were Found.

**Client Sample ID: 21211203-06-SW-Camp5**

**Lab ID#: 2112210-09A**

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# Summary of Detected Compounds
# MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

**Client Sample ID: 21211203-06-SW-Camp5**

**Lab ID#: 2112210-09A**

No Detections Were Found.

**Client Sample ID: 21211203-06-SE-Camp1**

**Lab ID#: 2112210-10A**

No Detections Were Found.

**Client Sample ID: 21211203-06-SE-Camp3**

**Lab ID#: 2112210-11A**

No Detections Were Found.

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**Client Sample ID: 21211206-09-Blank**

**Lab ID#: 2112210-01A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12121316** | **Date of Collection: 12/6/21 4:00:00 PM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/13/21 06:07 PM** |
| | | **Date of Extraction: 12/13/21** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 75 | 60-120 |
| Pyrene-d10 | 108 | 60-120 |
| Benzo(a)pyrene-d12 | 93 | 50-150 |
| Fluoranthene-d10 | 71 | 50-150 |

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**Client Sample ID: 21211206-09-NW-Camp 4**

**Lab ID#: 2112210-02A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12121317** | **Date of Collection: 12/9/21 4:00:00 PM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/13/21 06:37 PM** |
| | | **Date of Extraction: 12/13/21** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 80 | 60-120 |
| Pyrene-d10 | 108 | 60-120 |
| Benzo(a)pyrene-d12 | 88 | 50-150 |
| Fluoranthene-d10 | 71 | 50-150 |

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**Client Sample ID: 21211206-09-NE-Camp 2**

**Lab ID#: 2112210-03A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12121318** | **Date of Collection: 12/9/21 4:00:00 PM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/13/21 07:07 PM** |
| | | **Date of Extraction: 12/13/21** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 76 | 60-120 |
| Pyrene-d10 | 99 | 60-120 |
| Benzo(a)pyrene-d12 | 88 | 50-150 |
| Fluoranthene-d10 | 70 | 50-150 |

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**Client Sample ID: 21211206-09-SW-Camp 5**

**Lab ID#: 2112210-04A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12121319** | **Date of Collection:** | **12/9/21 4:00:00 PM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis:** | **12/13/21 07:37 PM** |
| | | **Date of Extraction:** | **12/13/21** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 81 | 60-120 |
| Pyrene-d10 | 98 | 60-120 |
| Benzo(a)pyrene-d12 | 87 | 50-150 |
| Fluoranthene-d10 | 76 | 50-150 |

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**Client Sample ID: 21211206-09-SE-Camp 1**

**Lab ID#: 2112210-05A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12121320** | **Date of Collection: 12/9/21 4:00:00 PM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/13/21 08:07 PM** |
| | | **Date of Extraction: 12/13/21** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 83 | 60-120 |
| Pyrene-d10 | 114 | 60-120 |
| Benzo(a)pyrene-d12 | 89 | 50-150 |
| Fluoranthene-d10 | 73 | 50-150 |

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**Client Sample ID: 21211206-09-SE-Camp 3**

**Lab ID#: 2112210-06A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12121321** | **Date of Collection: 12/9/21 4:00:00 PM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/13/21 08:37 PM** |
| | | **Date of Extraction: 12/13/21** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 83 | 60-120 |
| Pyrene-d10 | 107 | 60-120 |
| Benzo(a)pyrene-d12 | 90 | 50-150 |
| Fluoranthene-d10 | 78 | 50-150 |

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**Client Sample ID: 21211203-06-NW-Camp4**

**Lab ID#: 2112210-07A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12121322** | **Date of Collection: 12/6/21 3:41:00 PM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/13/21 09:07 PM** |
| | | **Date of Extraction: 12/13/21** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 70 | 60-120 |
| Pyrene-d10 | 97 | 60-120 |
| Benzo(a)pyrene-d12 | 81 | 50-150 |
| Fluoranthene-d10 | 62 | 50-150 |

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**Client Sample ID: 21211203-06-NE-Camp2**

**Lab ID#: 2112210-08A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12121323** | **Date of Collection: 12/6/21 2:30:00 PM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/13/21 09:36 PM** |
| | | **Date of Extraction: 12/13/21** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 74 | 60-120 |
| Pyrene-d10 | 78 | 60-120 |
| Benzo(a)pyrene-d12 | 77 | 50-150 |
| Fluoranthene-d10 | 73 | 50-150 |

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**Client Sample ID: 21211203-06-SW-Camp5**

**Lab ID#: 2112210-09A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12121324** | **Date of Collection: 12/6/21 3:25:00 PM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/13/21 10:06 PM** |
| | | **Date of Extraction: 12/13/21** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 72 | 60-120 |
| Pyrene-d10 | 89 | 60-120 |
| Benzo(a)pyrene-d12 | 79 | 50-150 |
| Fluoranthene-d10 | 66 | 50-150 |

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**Client Sample ID: 21211203-06-SE-Camp1**

**Lab ID#: 2112210-10A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12121325** | **Date of Collection: 12/6/21 3:18:00 PM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/13/21 10:36 PM** |
| | | **Date of Extraction: 12/13/21** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 75 | 60-120 |
| Pyrene-d10 | 100 | 60-120 |
| Benzo(a)pyrene-d12 | 87 | 50-150 |
| Fluoranthene-d10 | 71 | 50-150 |

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**Client Sample ID: 21211203-06-SE-Camp3**

**Lab ID#: 2112210-11A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12121326** | **Date of Collection: 12/6/21 3:12:00 PM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/13/21 11:06 PM** |
| | | **Date of Extraction: 12/13/21** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 75 | 60-120 |
| Pyrene-d10 | 99 | 60-120 |
| Benzo(a)pyrene-d12 | 89 | 50-150 |
| Fluoranthene-d10 | 69 | 50-150 |

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**Client Sample ID: Lab Blank**

**Lab ID#: 2112210-12A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12121306** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/13/21 01:09 PM** | |
| | | **Date of Extraction: 12/13/21** | |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 1.8 |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 79 | 60-120 |
| Pyrene-d10 | 87 | 60-120 |
| Benzo(a)pyrene-d12 | 102 | 50-150 |
| Fluoranthene-d10 | 79 | 50-150 |

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**Client Sample ID: CCV**

**Lab ID#: 2112210-13A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12121303** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/13/21 11:39 AM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 96 |
| 2-Methylnaphthalene | 94 |
| 2-Chloronaphthalene | 101 |
| Acenaphthylene | 99 |
| Acenaphthene | 97 |
| Fluorene | 93 |
| Phenanthrene | 96 |
| Anthracene | 97 |
| Fluoranthene | 93 |
| Pyrene | 104 |
| Chrysene | 94 |
| Benzo(a)anthracene | 94 |
| Benzo(b)fluoranthene | 103 |
| Benzo(k)fluoranthene | 111 |
| Benzo(a)pyrene | 107 |
| Indeno(1,2,3-c,d)pyrene | 102 |
| Dibenz(a,h)anthracene | 118 |
| Benzo(g,h,i)perylene | 116 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 94 | 70-130 |
| Pyrene-d10 | 107 | 70-130 |
| Benzo(a)pyrene-d12 | 106 | 70-130 |
| Fluoranthene-d10 | 93 | 70-130 |

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**Client Sample ID: LCS**

**Lab ID#: 2112210-14A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12121304** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/13/21 12:09 PM** | |
| | | **Date of Extraction: 12/13/21** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 74 | 60-120 |
| 2-Methylnaphthalene | 79 | 60-120 |
| 2-Chloronaphthalene | 84 | 60-120 |
| Acenaphthylene | 80 | 60-120 |
| Acenaphthene | 81 | 60-120 |
| Fluorene | 80 | 60-120 |
| Phenanthrene | 84 | 60-120 |
| Anthracene | 66 | 60-120 |
| Fluoranthene | 86 | 60-120 |
| Pyrene | 94 | 60-120 |
| Chrysene | 84 | 60-120 |
| Benzo(a)anthracene | 84 | 60-120 |
| Benzo(b)fluoranthene | 94 | 60-120 |
| Benzo(k)fluoranthene | 96 | 60-120 |
| Benzo(a)pyrene | 93 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 92 | 60-120 |
| Dibenz(a,h)anthracene | 106 | 60-120 |
| Benzo(g,h,i)perylene | 106 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 80 | 60-120 |
| Pyrene-d10 | 92 | 60-120 |
| Benzo(a)pyrene-d12 | 102 | 50-150 |
| Fluoranthene-d10 | 81 | 50-150 |

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**Client Sample ID: LCSD**

**Lab ID#: 2112210-14AA**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12121305** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/13/21 12:39 PM** | |
| | | **Date of Extraction: 12/13/21** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 69 | 60-120 |
| 2-Methylnaphthalene | 74 | 60-120 |
| 2-Chloronaphthalene | 77 | 60-120 |
| Acenaphthylene | 73 | 60-120 |
| Acenaphthene | 72 | 60-120 |
| Fluorene | 71 | 60-120 |
| Phenanthrene | 74 | 60-120 |
| Anthracene | 58 Q | 60-120 |
| Fluoranthene | 74 | 60-120 |
| Pyrene | 76 | 60-120 |
| Chrysene | 74 | 60-120 |
| Benzo(a)anthracene | 73 | 60-120 |
| Benzo(b)fluoranthene | 85 | 60-120 |
| Benzo(k)fluoranthene | 77 | 60-120 |
| Benzo(a)pyrene | 81 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 85 | 60-120 |
| Dibenz(a,h)anthracene | 92 | 60-120 |
| Benzo(g,h,i)perylene | 92 | 60-120 |

Q = Exceeds Quality Control limits.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 72 | 60-120 |
| Pyrene-d10 | 80 | 60-120 |
| Benzo(a)pyrene-d12 | 90 | 50-150 |
| Fluoranthene-d10 | 70 | 50-150 |

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12/22/2021
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th Street
Project #: 0529307
Workorder #: 2112289

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 12/14/2021 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-13A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

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# WORK ORDER #: 2112289

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 0529307 |
| **FAX:** | | **PROJECT #** | 0529307 Champaign 5th Street |
| **DATE RECEIVED:** | 12/14/2021 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 12/22/2021 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20211210-13-NW-Camp 4 | Modified TO-13A |
| 02A | 20211210-13-NE-Camp 2 | Modified TO-13A |
| 03A | 20211210-13-SW-Camp 5 | Modified TO-13A |
| 04A | 20211210-13-SE-Camp 1 | Modified TO-13A |
| 05A | 20211210-13-SE-Camp 3 | Modified TO-13A |
| 06A | Lab Blank | Modified TO-13A |
| 07A | CCV | Modified TO-13A |
| 08A | LCS | Modified TO-13A |
| 08AA | LCSD | Modified TO-13A |

CERTIFIED BY: DATE: 12/22/21

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**Modified TO-13A**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2112289**

Five PUF/XAD Cartridge samples were received on December 14, 2021. The laboratory performed the analysis for polycyclic aromatic hydrocarbons in air by modified EPA Method TO-13A. The PUF/XAD samples were extracted using Pressurized Fluid Extraction (PFE) by EPA Method 3545A. The sample extract was then concentrated to 1.0 mL and analyzed by GC/MS in the full scan mode.

To meet the quality control objectives outlined in Method TO-13A, a field blank is required for each sampling episode. If field blanks are not provided to the laboratory, any attendant risk to data quality is the responsibility of the data user.

The frequency of matrix spikes are determined by the different monitoring programs. Matrix spikes are not included in the routine calibration specifications for TO-13A.

| ***Requirement*** | ***TO-13A*** | ***ATL Modifications*** |
|---|---|---|
| Initial Calibration | Calibration range: 0.1-2.5 ug/mL in Hexane | Calibration range: 1.0-500 ug/mL in Methylene chloride |
| Method Blank | <MDL | <Reporting limit |
| Surrogate Recoveries | 60-120% | 50-150% for Field Surrogates<br>Fluoranthene-d10 and Benzo(a)pyrene-d12 |

## Receiving Notes

A Temperature Blank was included with the shipment. Temperature was measured and was not within 4±2 °C. Coolant in the form of blue ice was present. Analysis proceeded.

## Analytical Notes

The sample cartridges were pre-spiked with Fluoranthene-d10 and Benzo(a)Pyrene-d12 on 12/06/2021.

The recovery for Anthracene in the LCS was outside the laboratory control limits. Due to the nature of PUF/XAD2 extraction, it is not possible to re-extract the associated samples. All other LCS recoveries were within allowed limits.

## Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
E - Exceeds instrument calibration range.
Q - Exceeds quality control limits.
S - Saturated peak.
J - Estimated value.
B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data

page for project specific U-flag definition.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

**Client Sample ID: 20211210-13-NW-Camp 4**

**Lab ID#: 2112289-01A**

No Detections Were Found.

**Client Sample ID: 20211210-13-NE-Camp 2**

**Lab ID#: 2112289-02A**

No Detections Were Found.

**Client Sample ID: 20211210-13-SW-Camp 5**

**Lab ID#: 2112289-03A**

No Detections Were Found.

**Client Sample ID: 20211210-13-SE-Camp 1**

**Lab ID#: 2112289-04A**

No Detections Were Found.

**Client Sample ID: 20211210-13-SE-Camp 3**

**Lab ID#: 2112289-05A**

No Detections Were Found.

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**Client Sample ID: 20211210-13-NW-Camp 4**

**Lab ID#: 2112289-01A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12122022** | **Date of Collection: 12/13/21 2:50:00 PM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/20/21 09:24 PM** |
| | | **Date of Extraction: 12/20/21** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 69 | 60-120 |
| Pyrene-d10 | 84 | 60-120 |
| Benzo(a)pyrene-d12 | 74 | 50-150 |
| Fluoranthene-d10 | 66 | 50-150 |

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**Client Sample ID: 20211210-13-NE-Camp 2**

**Lab ID#: 2112289-02A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12122023** | **Date of Collection: 12/13/21 2:48:00 PM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/20/21 09:54 PM** |
| | | **Date of Extraction: 12/20/21** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 67 | 60-120 |
| Pyrene-d10 | 84 | 60-120 |
| Benzo(a)pyrene-d12 | 70 | 50-150 |
| Fluoranthene-d10 | 62 | 50-150 |

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**Client Sample ID: 20211210-13-SW-Camp 5**

**Lab ID#: 2112289-03A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12122024** | **Date of Collection: 12/13/21 2:00:00 PM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/20/21 10:24 PM** |
| | | **Date of Extraction: 12/20/21** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 72 | 60-120 |
| Pyrene-d10 | 89 | 60-120 |
| Benzo(a)pyrene-d12 | 83 | 50-150 |
| Fluoranthene-d10 | 74 | 50-150 |

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**Client Sample ID: 20211210-13-SE-Camp 1**

**Lab ID#: 2112289-04A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12122025** | **Date of Collection: 12/13/21 2:40:00 PM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/20/21 10:53 PM** |
| | | **Date of Extraction: 12/20/21** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 75 | 60-120 |
| Pyrene-d10 | 91 | 60-120 |
| Benzo(a)pyrene-d12 | 75 | 50-150 |
| Fluoranthene-d10 | 74 | 50-150 |

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**Client Sample ID: 20211210-13-SE-Camp 3**

**Lab ID#: 2112289-05A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12122026** | **Date of Collection: 12/13/21 2:53:00 PM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/20/21 11:23 PM** |
| | | **Date of Extraction: 12/20/21** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 76 | 60-120 |
| Pyrene-d10 | 86 | 60-120 |
| Benzo(a)pyrene-d12 | 83 | 50-150 |
| Fluoranthene-d10 | 75 | 50-150 |

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**Client Sample ID: Lab Blank**

**Lab ID#: 2112289-06A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12122006** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/20/21 01:28 PM** | |
| | | **Date of Extraction: 12/20/21** | |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 78 | 60-120 |
| Pyrene-d10 | 81 | 60-120 |
| Benzo(a)pyrene-d12 | 97 | 50-150 |
| Fluoranthene-d10 | 84 | 50-150 |

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**Client Sample ID: CCV**

**Lab ID#: 2112289-07A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12122003** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/20/21 11:58 AM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 97 |
| 2-Methylnaphthalene | 98 |
| 2-Chloronaphthalene | 102 |
| Acenaphthylene | 96 |
| Acenaphthene | 95 |
| Fluorene | 98 |
| Phenanthrene | 98 |
| Anthracene | 97 |
| Fluoranthene | 98 |
| Pyrene | 98 |
| Chrysene | 93 |
| Benzo(a)anthracene | 92 |
| Benzo(b)fluoranthene | 108 |
| Benzo(k)fluoranthene | 102 |
| Benzo(a)pyrene | 105 |
| Indeno(1,2,3-c,d)pyrene | 104 |
| Dibenz(a,h)anthracene | 114 |
| Benzo(g,h,i)perylene | 113 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 97 | 70-130 |
| Pyrene-d10 | 101 | 70-130 |
| Benzo(a)pyrene-d12 | 103 | 70-130 |
| Fluoranthene-d10 | 98 | 70-130 |

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**Client Sample ID: LCS**

**Lab ID#: 2112289-08A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12122004** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/20/21 12:28 PM** | |
| | | **Date of Extraction: 12/20/21** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 72 | 60-120 |
| 2-Methylnaphthalene | 78 | 60-120 |
| 2-Chloronaphthalene | 81 | 60-120 |
| Acenaphthylene | 75 | 60-120 |
| Acenaphthene | 77 | 60-120 |
| Fluorene | 79 | 60-120 |
| Phenanthrene | 79 | 60-120 |
| Anthracene | 58 Q | 60-120 |
| Fluoranthene | 79 | 60-120 |
| Pyrene | 86 | 60-120 |
| Chrysene | 78 | 60-120 |
| Benzo(a)anthracene | 77 | 60-120 |
| Benzo(b)fluoranthene | 82 | 60-120 |
| Benzo(k)fluoranthene | 86 | 60-120 |
| Benzo(a)pyrene | 85 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 84 | 60-120 |
| Dibenz(a,h)anthracene | 97 | 60-120 |
| Benzo(g,h,i)perylene | 99 | 60-120 |

Q = Exceeds Quality Control limits.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 66 | 60-120 |
| Pyrene-d10 | 77 | 60-120 |
| Benzo(a)pyrene-d12 | 82 | 50-150 |
| Fluoranthene-d10 | 64 | 50-150 |

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**Client Sample ID: LCSD**

**Lab ID#: 2112289-08AA**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12122005** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/20/21 12:58 PM** | |
| | | **Date of Extraction: 12/20/21** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 74 | 60-120 |
| 2-Methylnaphthalene | 80 | 60-120 |
| 2-Chloronaphthalene | 83 | 60-120 |
| Acenaphthylene | 81 | 60-120 |
| Acenaphthene | 80 | 60-120 |
| Fluorene | 85 | 60-120 |
| Phenanthrene | 86 | 60-120 |
| Anthracene | 66 | 60-120 |
| Fluoranthene | 86 | 60-120 |
| Pyrene | 88 | 60-120 |
| Chrysene | 82 | 60-120 |
| Benzo(a)anthracene | 84 | 60-120 |
| Benzo(b)fluoranthene | 96 | 60-120 |
| Benzo(k)fluoranthene | 87 | 60-120 |
| Benzo(a)pyrene | 92 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 92 | 60-120 |
| Dibenz(a,h)anthracene | 104 | 60-120 |
| Benzo(g,h,i)perylene | 102 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 73 | 60-120 |
| Pyrene-d10 | 79 | 60-120 |
| Benzo(a)pyrene-d12 | 92 | 50-150 |
| Fluoranthene-d10 | 73 | 50-150 |

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12/29/2021
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th Street.
Project #: 0529307
Workorder #: 2112405

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 12/17/2021 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-13A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

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# WORK ORDER #: 2112405

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 012633-1107 |
| **FAX:** | | **PROJECT #** | 0529307 Champaign 5th Street. |
| **DATE RECEIVED:** | 12/17/2021 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 12/29/2021 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 202113-15-SW-SAM5 | Modified TO-13A |
| 02A | 202113-15-NW-SAM4 | Modified TO-13A |
| 03A | 202113-15-NE-SAM2 | Modified TO-13A |
| 04A | 202113-15-SE-SAM3 | Modified TO-13A |
| 05A | 202113-15-SE-SAM1 | Modified TO-13A |
| 06A | Lab Blank | Modified TO-13A |
| 07A | CCV | Modified TO-13A |
| 08A | LCS | Modified TO-13A |
| 08AA | LCSD | Modified TO-13A |

CERTIFIED BY: DATE: 12/29/21

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**Modified TO-13A**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2112405**

Five PUF/XAD Cartridge samples were received on December 17, 2021. The laboratory performed the analysis for polycyclic aromatic hydrocarbons in air by modified EPA Method TO-13A. The PUF/XAD samples were extracted using Pressurized Fluid Extraction (PFE) by EPA Method 3545A. The sample extract was then concentrated to 1.0 mL and analyzed by GC/MS in the full scan mode.

To meet the quality control objectives outlined in Method TO-13A, a field blank is required for each sampling episode. If field blanks are not provided to the laboratory, any attendant risk to data quality is the responsibility of the data user.

The frequency of matrix spikes are determined by the different monitoring programs. Matrix spikes are not included in the routine calibration specifications for TO-13A.

| ***Requirement*** | ***TO-13A*** | ***ATL Modifications*** |
|---|---|---|
| Initial Calibration | Calibration range: 0.1-2.5 ug/mL in Hexane | Calibration range: 1.0-500 ug/mL in Methylene chloride |
| Method Blank | <MDL | <Reporting limit |
| Surrogate Recoveries | 60-120% | 50-150% for Field Surrogates<br>Fluoranthene-d10 and Benzo(a)pyrene-d12 |

## Receiving Notes

There were no receiving discrepancies.

## Analytical Notes

The sample cartridges were pre-spiked with Fluoranthene-d10 and Benzo(a)Pyrene-d12 on 12/06/2021.

## Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
E - Exceeds instrument calibration range.
Q - Exceeds quality control limits.
S - Saturated peak.
J - Estimated value.
B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified

b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

**Client Sample ID: 202113-15-SW-SAM5**

**Lab ID#: 2112405-01A**

No Detections Were Found.

**Client Sample ID: 202113-15-NW-SAM4**

**Lab ID#: 2112405-02A**

No Detections Were Found.

**Client Sample ID: 202113-15-NE-SAM2**

**Lab ID#: 2112405-03A**

No Detections Were Found.

**Client Sample ID: 202113-15-SE-SAM3**

**Lab ID#: 2112405-04A**

No Detections Were Found.

**Client Sample ID: 202113-15-SE-SAM1**

**Lab ID#: 2112405-05A**

No Detections Were Found.

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**Client Sample ID: 202113-15-SW-SAM5**

**Lab ID#: 2112405-01A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12122121** | **Date of Collection: 12/15/21 12:56:00 P** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/21/21 08:12 PM** |
| | | **Date of Extraction: 12/21/21** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 76 | 60-120 |
| Pyrene-d10 | 93 | 60-120 |
| Benzo(a)pyrene-d12 | 80 | 50-150 |
| Fluoranthene-d10 | 71 | 50-150 |

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**Client Sample ID: 202113-15-NW-SAM4**

**Lab ID#: 2112405-02A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12122122** | **Date of Collection: 12/15/21 12:47:00 P** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/21/21 08:42 PM** |
| | | **Date of Extraction: 12/21/21** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 75 | 60-120 |
| Pyrene-d10 | 88 | 60-120 |
| Benzo(a)pyrene-d12 | 82 | 50-150 |
| Fluoranthene-d10 | 72 | 50-150 |

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**Client Sample ID: 202113-15-NE-SAM2**

**Lab ID#: 2112405-03A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12122123** | **Date of Collection: 12/15/21 12:37:00 P** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/21/21 09:11 PM** |
| | | **Date of Extraction: 12/21/21** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 77 | 60-120 |
| Pyrene-d10 | 93 | 60-120 |
| Benzo(a)pyrene-d12 | 82 | 50-150 |
| Fluoranthene-d10 | 68 | 50-150 |

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**Client Sample ID: 202113-15-SE-SAM3**

**Lab ID#: 2112405-04A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12122124** | **Date of Collection: 12/15/21 12:23:00 P** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/21/21 09:41 PM** |
| | | **Date of Extraction: 12/21/21** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 72 | 60-120 |
| Pyrene-d10 | 90 | 60-120 |
| Benzo(a)pyrene-d12 | 80 | 50-150 |
| Fluoranthene-d10 | 66 | 50-150 |

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**Client Sample ID: 202113-15-SE-SAM1**

**Lab ID#: 2112405-05A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12122125** | **Date of Collection: 12/15/21 12:26:00 P** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/21/21 10:11 PM** |
| | | **Date of Extraction: 12/21/21** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 60 | 60-120 |
| Pyrene-d10 | 81 | 60-120 |
| Benzo(a)pyrene-d12 | 66 | 50-150 |
| Fluoranthene-d10 | 53 | 50-150 |

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**Client Sample ID: Lab Blank**

**Lab ID#: 2112405-06A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12122106** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/21/21 12:45 PM** | |
| | | **Date of Extraction: 12/21/21** | |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 71 | 60-120 |
| Pyrene-d10 | 86 | 60-120 |
| Benzo(a)pyrene-d12 | 86 | 50-150 |
| Fluoranthene-d10 | 70 | 50-150 |

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**Client Sample ID: CCV**

**Lab ID#: 2112405-07A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12122103** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/21/21 11:16 AM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 89 |
| 2-Methylnaphthalene | 90 |
| 2-Chloronaphthalene | 96 |
| Acenaphthylene | 89 |
| Acenaphthene | 89 |
| Fluorene | 91 |
| Phenanthrene | 91 |
| Anthracene | 89 |
| Fluoranthene | 89 |
| Pyrene | 96 |
| Chrysene | 90 |
| Benzo(a)anthracene | 86 |
| Benzo(b)fluoranthene | 96 |
| Benzo(k)fluoranthene | 98 |
| Benzo(a)pyrene | 96 |
| Indeno(1,2,3-c,d)pyrene | 93 |
| Dibenz(a,h)anthracene | 106 |
| Benzo(g,h,i)perylene | 105 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 88 | 70-130 |
| Pyrene-d10 | 100 | 70-130 |
| Benzo(a)pyrene-d12 | 96 | 70-130 |
| Fluoranthene-d10 | 90 | 70-130 |

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**Client Sample ID: LCS**

**Lab ID#: 2112405-08A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12122104** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/21/21 11:46 AM** | |
| | | **Date of Extraction: 12/21/21** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 77 | 60-120 |
| 2-Methylnaphthalene | 82 | 60-120 |
| 2-Chloronaphthalene | 93 | 60-120 |
| Acenaphthylene | 84 | 60-120 |
| Acenaphthene | 84 | 60-120 |
| Fluorene | 89 | 60-120 |
| Phenanthrene | 89 | 60-120 |
| Anthracene | 66 | 60-120 |
| Fluoranthene | 89 | 60-120 |
| Pyrene | 91 | 60-120 |
| Chrysene | 87 | 60-120 |
| Benzo(a)anthracene | 86 | 60-120 |
| Benzo(b)fluoranthene | 95 | 60-120 |
| Benzo(k)fluoranthene | 94 | 60-120 |
| Benzo(a)pyrene | 94 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 97 | 60-120 |
| Dibenz(a,h)anthracene | 109 | 60-120 |
| Benzo(g,h,i)perylene | 109 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 74 | 60-120 |
| Pyrene-d10 | 80 | 60-120 |
| Benzo(a)pyrene-d12 | 91 | 50-150 |
| Fluoranthene-d10 | 76 | 50-150 |

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**Client Sample ID: LCSD**

**Lab ID#: 2112405-08AA**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12122105** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/21/21 12:15 PM** | |
| | | **Date of Extraction: 12/21/21** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 68 | 60-120 |
| 2-Methylnaphthalene | 75 | 60-120 |
| 2-Chloronaphthalene | 84 | 60-120 |
| Acenaphthylene | 76 | 60-120 |
| Acenaphthene | 78 | 60-120 |
| Fluorene | 85 | 60-120 |
| Phenanthrene | 86 | 60-120 |
| Anthracene | 65 | 60-120 |
| Fluoranthene | 88 | 60-120 |
| Pyrene | 90 | 60-120 |
| Chrysene | 84 | 60-120 |
| Benzo(a)anthracene | 82 | 60-120 |
| Benzo(b)fluoranthene | 91 | 60-120 |
| Benzo(k)fluoranthene | 91 | 60-120 |
| Benzo(a)pyrene | 91 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 93 | 60-120 |
| Dibenz(a,h)anthracene | 103 | 60-120 |
| Benzo(g,h,i)perylene | 106 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 69 | 60-120 |
| Pyrene-d10 | 76 | 60-120 |
| Benzo(a)pyrene-d12 | 86 | 50-150 |
| Fluoranthene-d10 | 72 | 50-150 |

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12/30/2021
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th Street
Project #: 0529307
Workorder #: 2112518

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 12/21/2021 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-13A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

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# WORK ORDER #: 2112518

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 012633-1107 |
| **FAX:** | | **PROJECT #** | 0529307 Champaign 5th Street |
| **DATE RECEIVED:** | 12/21/2021 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 12/30/2021 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20211215-17-SW-SAM5 | Modified TO-13A |
| 02A | 20211215-17-NW-SAM4 | Modified TO-13A |
| 03A | 20211215-17-NE-SAM2 | Modified TO-13A |
| 04A | 20211215-17-NE-SAM3 | Modified TO-13A |
| 05A | 20211215-17-SE-SAM1 | Modified TO-13A |
| 06A | Lab Blank | Modified TO-13A |
| 07A | CCV | Modified TO-13A |
| 08A | LCS | Modified TO-13A |
| 08AA | LCSD | Modified TO-13A |

CERTIFIED BY: Heidi Hayes DATE: 12/30/21

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

*This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.*

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**Modified TO-13A**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2112518**

Five PUF/XAD Cartridge-Low Volume samples were received on December 21, 2021. The laboratory performed the analysis for polycyclic aromatic hydrocarbons in air by modified EPA Method TO-13A. The PUF/XAD samples were extracted using Pressurized Fluid Extraction (PFE) by EPA Method 3545A. The sample extract was then concentrated to 1.0 mL and analyzed by GC/MS in the full scan mode.

To meet the quality control objectives outlined in Method TO-13A, a field blank is required for each sampling episode. If field blanks are not provided to the laboratory, any attendant risk to data quality is the responsibility of the data user.

The frequency of matrix spikes are determined by the different monitoring programs. Matrix spikes are not included in the routine calibration specifications for TO-13A.

| ***Requirement*** | ***TO-13A*** | ***ATL Modifications*** |
|---|---|---|
| Initial Calibration | Calibration range: 0.1-2.5 ug/mL in Hexane | Calibration range: 1.0-500 ug/mL in Methylene chloride |
| Method Blank | <MDL | <Reporting limit |
| Surrogate Recoveries | 60-120% | 50-150% for Field Surrogates<br>Fluoranthene-d10 and Benzo(a)pyrene-d12 |

## Receiving Notes

There were no receiving discrepancies.

## Analytical Notes

The sample cartridges were pre-spiked with Fluoranthene-d10 and Benzo(a)Pyrene-d12 on 12/13/2021.

The recoveries for Naphthalene and Fluoranthene in the LCS were outside the laboratory control limits. Due to the nature of PUF/XAD2 extraction, it is not possible to re-extract the associated samples. All other LCS recoveries were within allowed limits.

## Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
E - Exceeds instrument calibration range.
Q - Exceeds quality control limits.
S - Saturated peak.
J - Estimated value.
B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data

page for project specific U-flag definition.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

**Client Sample ID: 20211215-17-SW-SAM5**

**Lab ID#: 2112518-01A**

No Detections Were Found.

**Client Sample ID: 20211215-17-NW-SAM4**

**Lab ID#: 2112518-02A**

No Detections Were Found.

**Client Sample ID: 20211215-17-NE-SAM2**

**Lab ID#: 2112518-03A**

No Detections Were Found.

**Client Sample ID: 20211215-17-NE-SAM3**

**Lab ID#: 2112518-04A**

No Detections Were Found.

**Client Sample ID: 20211215-17-SE-SAM1**

**Lab ID#: 2112518-05A**

No Detections Were Found.

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**Client Sample ID: 20211215-17-SW-SAM5**

**Lab ID#: 2112518-01A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12122713** | **Date of Collection: 12/17/21 10:43:00 A** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/27/21 01:47 PM** |
| | | **Date of Extraction: 12/22/21** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 79 | 60-120 |
| Pyrene-d10 | 89 | 60-120 |
| Benzo(a)pyrene-d12 | 88 | 50-150 |
| Fluoranthene-d10 | 70 | 50-150 |

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**Client Sample ID: 20211215-17-NW-SAM4**

**Lab ID#: 2112518-02A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12122714** | **Date of Collection: 12/17/21 10:53:00 A** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/27/21 02:17 PM** |
| | | **Date of Extraction: 12/22/21** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 63 | 60-120 |
| Pyrene-d10 | 80 | 60-120 |
| Benzo(a)pyrene-d12 | 77 | 50-150 |
| Fluoranthene-d10 | 60 | 50-150 |

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**Client Sample ID: 20211215-17-NE-SAM2**

**Lab ID#: 2112518-03A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12122715** | **Date of Collection: 12/17/21 10:59:00 A** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/27/21 02:47 PM** |
| | | **Date of Extraction: 12/22/21** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 75 | 60-120 |
| Pyrene-d10 | 88 | 60-120 |
| Benzo(a)pyrene-d12 | 88 | 50-150 |
| Fluoranthene-d10 | 71 | 50-150 |

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**Client Sample ID: 20211215-17-NE-SAM3**

**Lab ID#: 2112518-04A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12122716** | **Date of Collection: 12/17/21 10:36:00 A** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/27/21 03:17 PM** |
| | | **Date of Extraction: 12/22/21** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 69 | 60-120 |
| Pyrene-d10 | 76 | 60-120 |
| Benzo(a)pyrene-d12 | 75 | 50-150 |
| Fluoranthene-d10 | 62 | 50-150 |

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**Client Sample ID: 20211215-17-SE-SAM1**

**Lab ID#: 2112518-05A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12122717** | **Date of Collection: 12/17/21 10:38:00 A** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/27/21 03:47 PM** |
| | | **Date of Extraction: 12/22/21** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 67 | 60-120 |
| Pyrene-d10 | 78 | 60-120 |
| Benzo(a)pyrene-d12 | 76 | 50-150 |
| Fluoranthene-d10 | 60 | 50-150 |

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**Client Sample ID: Lab Blank**

**Lab ID#: 2112518-06A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12122718** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/27/21 04:17 PM** | |
| | | **Date of Extraction: 12/22/21** | |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 72 | 60-120 |
| Pyrene-d10 | 84 | 60-120 |
| Benzo(a)pyrene-d12 | 89 | 50-150 |
| Fluoranthene-d10 | 67 | 50-150 |

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**Client Sample ID: CCV**

**Lab ID#: 2112518-07A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12122703** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/27/21 08:48 AM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 88 |
| 2-Methylnaphthalene | 89 |
| 2-Chloronaphthalene | 94 |
| Acenaphthylene | 88 |
| Acenaphthene | 87 |
| Fluorene | 88 |
| Phenanthrene | 89 |
| Anthracene | 85 |
| Fluoranthene | 82 |
| Pyrene | 98 |
| Chrysene | 88 |
| Benzo(a)anthracene | 83 |
| Benzo(b)fluoranthene | 88 |
| Benzo(k)fluoranthene | 92 |
| Benzo(a)pyrene | 92 |
| Indeno(1,2,3-c,d)pyrene | 86 |
| Dibenz(a,h)anthracene | 86 |
| Benzo(g,h,i)perylene | 101 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 85 | 70-130 |
| Pyrene-d10 | 98 | 70-130 |
| Benzo(a)pyrene-d12 | 91 | 70-130 |
| Fluoranthene-d10 | 84 | 70-130 |

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**Client Sample ID: LCS**

**Lab ID#: 2112518-08A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12122704** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/27/21 09:18 AM** | |
| | | **Date of Extraction: 12/22/21** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 58 Q | 60-120 |
| 2-Methylnaphthalene | 61 | 60-120 |
| 2-Chloronaphthalene | 69 | 60-120 |
| Acenaphthylene | 62 | 60-120 |
| Acenaphthene | 61 | 60-120 |
| Fluorene | 62 | 60-120 |
| Phenanthrene | 64 | 60-120 |
| Anthracene | 62 | 60-120 |
| Fluoranthene | 58 Q | 60-120 |
| Pyrene | 70 | 60-120 |
| Chrysene | 64 | 60-120 |
| Benzo(a)anthracene | 62 | 60-120 |
| Benzo(b)fluoranthene | 66 | 60-120 |
| Benzo(k)fluoranthene | 66 | 60-120 |
| Benzo(a)pyrene | 68 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 65 | 60-120 |
| Dibenz(a,h)anthracene | 71 | 60-120 |
| Benzo(g,h,i)perylene | 76 | 60-120 |

Q = Exceeds Quality Control limits.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 64 | 60-120 |
| Pyrene-d10 | 75 | 60-120 |
| Benzo(a)pyrene-d12 | 80 | 50-150 |
| Fluoranthene-d10 | 58 | 50-150 |

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**Client Sample ID: LCSD**

**Lab ID#: 2112518-08AA**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12122705** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/27/21 09:48 AM** | |
| | | **Date of Extraction: 12/22/21** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 64 | 60-120 |
| 2-Methylnaphthalene | 68 | 60-120 |
| 2-Chloronaphthalene | 77 | 60-120 |
| Acenaphthylene | 69 | 60-120 |
| Acenaphthene | 68 | 60-120 |
| Fluorene | 70 | 60-120 |
| Phenanthrene | 72 | 60-120 |
| Anthracene | 76 | 60-120 |
| Fluoranthene | 70 | 60-120 |
| Pyrene | 80 | 60-120 |
| Chrysene | 74 | 60-120 |
| Benzo(a)anthracene | 72 | 60-120 |
| Benzo(b)fluoranthene | 78 | 60-120 |
| Benzo(k)fluoranthene | 76 | 60-120 |
| Benzo(a)pyrene | 79 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 78 | 60-120 |
| Dibenz(a,h)anthracene | 86 | 60-120 |
| Benzo(g,h,i)perylene | 88 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 73 | 60-120 |
| Pyrene-d10 | 84 | 60-120 |
| Benzo(a)pyrene-d12 | 91 | 50-150 |
| Fluoranthene-d10 | 70 | 50-150 |

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1/5/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th St.
Project #: 0529307
Workorder #: 2112588

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 12/23/2021 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-13A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

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# WORK ORDER #: 2112588

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 012633-1107 |
| **FAX:** | | **PROJECT #** | 0529307 Champaign 5th St. |
| **DATE RECEIVED:** | 12/23/2021 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 01/05/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20211220-22-SW-SAM5 | Modified TO-13A |
| 02A | 20211220-22-NW-SAM4 | Modified TO-13A |
| 03A | 20211220-22-NE-SAM2 | Modified TO-13A |
| 04A | 20211220-22-SE-SAM3 | Modified TO-13A |
| 05A | 20211220-22-SE-SAM1 | Modified TO-13A |
| 06A | Lab Blank | Modified TO-13A |
| 07A | CCV | Modified TO-13A |
| 08A | LCS | Modified TO-13A |
| 08AA | LCSD | Modified TO-13A |

CERTIFIED BY: Heidi Hayes DATE: 01/05/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

*This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.*

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**Modified TO-13A**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2112588**

Five PUF/XAD Cartridge-Low Volume samples were received on December 23, 2021. The laboratory performed the analysis for polycyclic aromatic hydrocarbons in air by modified EPA Method TO-13A. The PUF/XAD samples were extracted using Pressurized Fluid Extraction (PFE) by EPA Method 3545A. The sample extract was then concentrated to 1.0 mL and analyzed by GC/MS in the full scan mode.

To meet the quality control objectives outlined in Method TO-13A, a field blank is required for each sampling episode. If field blanks are not provided to the laboratory, any attendant risk to data quality is the responsibility of the data user.

The frequency of matrix spikes are determined by the different monitoring programs. Matrix spikes are not included in the routine calibration specifications for TO-13A.

| ***Requirement*** | ***TO-13A*** | ***ATL Modifications*** |
|---|---|---|
| Initial Calibration | Calibration range: 0.1-2.5 ug/mL in Hexane | Calibration range: 1.0-500 ug/mL in Methylene chloride |
| Method Blank | <MDL | <Reporting limit |
| Surrogate Recoveries | 60-120% | 50-150% for Field Surrogates<br>Fluoranthene-d10 and Benzo(a)pyrene-d12 |

## Receiving Notes

There were no receiving discrepancies.

## Analytical Notes

The sample cartridges were pre-spiked with Fluoranthene-d10 and Benzo(a)Pyrene-d12 on 12/13/2021.

The recovery for Naphthalene in the LCS was outside the laboratory control limits. Due to the nature of PUF/XAD2 extraction, it is not possible to re-extract the associated samples. All other LCS recoveries were within allowed limits.

The Relative Percent Difference (RPD) of the LCS/LCSD exceeded acceptance limits for Naphthalene and 2-Methylnaphthalene.

## Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
E - Exceeds instrument calibration range.
Q - Exceeds quality control limits.
S - Saturated peak.
J - Estimated value.

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

**Client Sample ID: 20211220-22-SW-SAM5**

**Lab ID#: 2112588-01A**

No Detections Were Found.

**Client Sample ID: 20211220-22-NW-SAM4**

**Lab ID#: 2112588-02A**

No Detections Were Found.

**Client Sample ID: 20211220-22-NE-SAM2**

**Lab ID#: 2112588-03A**

No Detections Were Found.

**Client Sample ID: 20211220-22-SE-SAM3**

**Lab ID#: 2112588-04A**

No Detections Were Found.

**Client Sample ID: 20211220-22-SE-SAM1**

**Lab ID#: 2112588-05A**

No Detections Were Found.

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**Client Sample ID: 20211220-22-SW-SAM5**

**Lab ID#: 2112588-01A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12122818** | **Date of Collection: 12/22/21 11:54:00 A** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/28/21 06:17 PM** |
| | | **Date of Extraction: 12/28/21** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 80 | 60-120 |
| Pyrene-d10 | 94 | 60-120 |
| Benzo(a)pyrene-d12 | 91 | 50-150 |
| Fluoranthene-d10 | 77 | 50-150 |

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**Client Sample ID: 20211220-22-NW-SAM4**

**Lab ID#: 2112588-02A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12122819** | **Date of Collection: 12/22/21 11:34:00 A** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/28/21 06:47 PM** |
| | | **Date of Extraction: 12/28/21** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 86 | 60-120 |
| Pyrene-d10 | 101 | 60-120 |
| Benzo(a)pyrene-d12 | 100 | 50-150 |
| Fluoranthene-d10 | 84 | 50-150 |

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**Client Sample ID: 20211220-22-NE-SAM2**

**Lab ID#: 2112588-03A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12122820** | **Date of Collection: 12/22/21 12:17:00 P** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/28/21 07:16 PM** |
| | | **Date of Extraction: 12/28/21** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 82 | 60-120 |
| Pyrene-d10 | 85 | 60-120 |
| Benzo(a)pyrene-d12 | 82 | 50-150 |
| Fluoranthene-d10 | 78 | 50-150 |

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**Client Sample ID: 20211220-22-SE-SAM3**

**Lab ID#: 2112588-04A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12122821** | **Date of Collection: 12/22/21 12:02:00 P** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/28/21 07:46 PM** |
| | | **Date of Extraction: 12/28/21** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 87 | 60-120 |
| Pyrene-d10 | 95 | 60-120 |
| Benzo(a)pyrene-d12 | 95 | 50-150 |
| Fluoranthene-d10 | 80 | 50-150 |

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**Client Sample ID: 20211220-22-SE-SAM1**

**Lab ID#: 2112588-05A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12122822** | **Date of Collection: 12/22/21 12:09:00 P** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/28/21 08:16 PM** |
| | | **Date of Extraction: 12/28/21** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 89 | 60-120 |
| Pyrene-d10 | 95 | 60-120 |
| Benzo(a)pyrene-d12 | 96 | 50-150 |
| Fluoranthene-d10 | 85 | 50-150 |

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**Client Sample ID: Lab Blank**

**Lab ID#: 2112588-06A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12122806** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/28/21 12:18 PM** | |
| | | **Date of Extraction: 12/28/21** | |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 89 | 60-120 |
| Pyrene-d10 | 104 | 60-120 |
| Benzo(a)pyrene-d12 | 104 | 50-150 |
| Fluoranthene-d10 | 80 | 50-150 |

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**Client Sample ID: CCV**

**Lab ID#: 2112588-07A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12122803** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/28/21 10:48 AM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 106 |
| 2-Methylnaphthalene | 106 |
| 2-Chloronaphthalene | 114 |
| Acenaphthylene | 109 |
| Acenaphthene | 107 |
| Fluorene | 109 |
| Phenanthrene | 111 |
| Anthracene | 118 |
| Fluoranthene | 112 |
| Pyrene | 111 |
| Chrysene | 111 |
| Benzo(a)anthracene | 104 |
| Benzo(b)fluoranthene | 104 |
| Benzo(k)fluoranthene | 114 |
| Benzo(a)pyrene | 111 |
| Indeno(1,2,3-c,d)pyrene | 126 |
| Dibenz(a,h)anthracene | 120 |
| Benzo(g,h,i)perylene | 119 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 109 | 70-130 |
| Pyrene-d10 | 111 | 70-130 |
| Benzo(a)pyrene-d12 | 110 | 70-130 |
| Fluoranthene-d10 | 114 | 70-130 |

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**Client Sample ID: LCS**

**Lab ID#: 2112588-08A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12122804** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/28/21 11:18 AM** | |
| | | **Date of Extraction: 12/28/21** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 59 Q | 60-120 |
| 2-Methylnaphthalene | 61 | 60-120 |
| 2-Chloronaphthalene | 71 | 60-120 |
| Acenaphthylene | 63 | 60-120 |
| Acenaphthene | 63 | 60-120 |
| Fluorene | 64 | 60-120 |
| Phenanthrene | 66 | 60-120 |
| Anthracene | 70 | 60-120 |
| Fluoranthene | 66 | 60-120 |
| Pyrene | 72 | 60-120 |
| Chrysene | 66 | 60-120 |
| Benzo(a)anthracene | 66 | 60-120 |
| Benzo(b)fluoranthene | 69 | 60-120 |
| Benzo(k)fluoranthene | 65 | 60-120 |
| Benzo(a)pyrene | 69 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 65 | 60-120 |
| Dibenz(a,h)anthracene | 71 | 60-120 |
| Benzo(g,h,i)perylene | 73 | 60-120 |

Q = Exceeds Quality Control limits.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 68 | 60-120 |
| Pyrene-d10 | 77 | 60-120 |
| Benzo(a)pyrene-d12 | 80 | 50-150 |
| Fluoranthene-d10 | 66 | 50-150 |

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**Client Sample ID: LCSD**

**Lab ID#: 2112588-08AA**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12122805** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/28/21 11:48 AM** | |
| | | **Date of Extraction: 12/28/21** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 80 | 60-120 |
| 2-Methylnaphthalene | 79 | 60-120 |
| 2-Chloronaphthalene | 87 | 60-120 |
| Acenaphthylene | 79 | 60-120 |
| Acenaphthene | 78 | 60-120 |
| Fluorene | 80 | 60-120 |
| Phenanthrene | 82 | 60-120 |
| Anthracene | 85 | 60-120 |
| Fluoranthene | 81 | 60-120 |
| Pyrene | 87 | 60-120 |
| Chrysene | 81 | 60-120 |
| Benzo(a)anthracene | 79 | 60-120 |
| Benzo(b)fluoranthene | 84 | 60-120 |
| Benzo(k)fluoranthene | 80 | 60-120 |
| Benzo(a)pyrene | 84 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 81 | 60-120 |
| Dibenz(a,h)anthracene | 88 | 60-120 |
| Benzo(g,h,i)perylene | 91 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 82 | 60-120 |
| Pyrene-d10 | 92 | 60-120 |
| Benzo(a)pyrene-d12 | 98 | 50-150 |
| Fluoranthene-d10 | 80 | 50-150 |

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1/7/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th St.
Project #: 0529307
Workorder #: 2112656

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 12/28/2021 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-13A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

eurofins | Air Toxics

# WORK ORDER #: 2112656

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 012633-1107 |
| **FAX:** | | **PROJECT #** | 0529307 Champaign 5th St. |
| **DATE RECEIVED:** | 12/28/2021 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 01/07/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20211222-23-SW-SAM5 | Modified TO-13A |
| 02A | 20211222-23-NW-SAM4 | Modified TO-13A |
| 03A | 20211222-23-NE-SAM2 | Modified TO-13A |
| 04A | 20211222-23-SE-SAM1 | Modified TO-13A |
| 05A | 20211222-23-SE-SAM3 | Modified TO-13A |
| 06A | Lab Blank | Modified TO-13A |
| 07A | CCV | Modified TO-13A |
| 08A | LCS | Modified TO-13A |
| 08AA | LCSD | Modified TO-13A |

CERTIFIED BY: Heidi Hayes DATE: 01/07/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**Modified TO-13A**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2112656**

Five PUF/XAD Cartridge-Low Volume samples were received on December 28, 2021. The laboratory performed the analysis for polycyclic aromatic hydrocarbons in air by modified EPA Method TO-13A. The PUF/XAD samples were extracted using Pressurized Fluid Extraction (PFE) by EPA Method 3545A. The sample extract was then concentrated to 1.0 mL and analyzed by GC/MS in the full scan mode.

To meet the quality control objectives outlined in Method TO-13A, a field blank is required for each sampling episode. If field blanks are not provided to the laboratory, any attendant risk to data quality is the responsibility of the data user.

The frequency of matrix spikes are determined by the different monitoring programs. Matrix spikes are not included in the routine calibration specifications for TO-13A.

| ***Requirement*** | ***TO-13A*** | ***ATL Modifications*** |
|---|---|---|
| Initial Calibration | Calibration range: 0.1-2.5 ug/mL in Hexane | Calibration range: 1.0-500 ug/mL in Methylene chloride |
| Method Blank | <MDL | <Reporting limit |
| Surrogate Recoveries | 60-120% | 50-150% for Field Surrogates<br>Fluoranthene-d10 and Benzo(a)pyrene-d12 |

## Receiving Notes

There were no receiving discrepancies.

## Analytical Notes

The sample cartridges were pre-spiked with Fluoranthene-d10 and Benzo(a)Pyrene-d12 on 12/20/2021.

Due to laboratory error, the media used for collection of samples 20211222-23-SW-SAM5, 20211222-23-NW-SAM4, 20211222-23-NE-SAM2, 20211222-23-SE-SAM1, and 20211222-23-SE-SAM3 were not pre-spiked with surrogates Fluoranthene-d10 and Benzo(a)Pyrene-d12 prior to shipment. Corrective action #CAR-091 was initiated.

## Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
E - Exceeds instrument calibration range.
Q - Exceeds quality control limits.
S - Saturated peak.
J - Estimated value.
B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

**Client Sample ID: 20211222-23-SW-SAM5**

**Lab ID#: 2112656-01A**

No Detections Were Found.

**Client Sample ID: 20211222-23-NW-SAM4**

**Lab ID#: 2112656-02A**

No Detections Were Found.

**Client Sample ID: 20211222-23-NE-SAM2**

**Lab ID#: 2112656-03A**

No Detections Were Found.

**Client Sample ID: 20211222-23-SE-SAM1**

**Lab ID#: 2112656-04A**

No Detections Were Found.

**Client Sample ID: 20211222-23-SE-SAM3**

**Lab ID#: 2112656-05A**

No Detections Were Found.

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**Client Sample ID: 20211222-23-SW-SAM5**

**Lab ID#: 2112656-01A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12123022** | **Date of Collection: 12/23/21 12:35:00 P** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/30/21 08:14 PM** |
| | | **Date of Extraction: 12/30/21** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 85 | 60-120 |
| Pyrene-d10 | 106 | 60-120 |
| Benzo(a)pyrene-d12 | Not Spiked | |
| Fluoranthene-d10 | Not Spiked | |

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**Client Sample ID: 20211222-23-NW-SAM4**

**Lab ID#: 2112656-02A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12123023** | **Date of Collection: 12/23/21 12:40:00 P** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/30/21 08:44 PM** |
| | | **Date of Extraction: 12/30/21** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 82 | 60-120 |
| Pyrene-d10 | 118 | 60-120 |
| Benzo(a)pyrene-d12 | Not Spiked | |
| Fluoranthene-d10 | Not Spiked | |

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**Client Sample ID: 20211222-23-NE-SAM2**

**Lab ID#: 2112656-03A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12123024** | **Date of Collection: 12/23/21 12:45:00 P** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/30/21 09:14 PM** |
| | | **Date of Extraction: 12/30/21** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 91 | 60-120 |
| Pyrene-d10 | 112 | 60-120 |
| Benzo(a)pyrene-d12 | Not Spiked | |
| Fluoranthene-d10 | Not Spiked | |

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**Client Sample ID: 20211222-23-SE-SAM1**

**Lab ID#: 2112656-04A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12123025** | **Date of Collection: 12/23/21 12:30:00 P** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/30/21 09:44 PM** |
| | | **Date of Extraction: 12/30/21** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 91 | 60-120 |
| Pyrene-d10 | 118 | 60-120 |
| Benzo(a)pyrene-d12 | Not Spiked | |
| Fluoranthene-d10 | Not Spiked | |

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**Client Sample ID: 20211222-23-SE-SAM3**

**Lab ID#: 2112656-05A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12123026** | **Date of Collection: 12/23/21 12:28:00 P** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/30/21 10:14 PM** |
| | | **Date of Extraction: 12/30/21** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 80 | 60-120 |
| Pyrene-d10 | 108 | 60-120 |
| Benzo(a)pyrene-d12 | Not Spiked | |
| Fluoranthene-d10 | Not Spiked | |

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**Client Sample ID: Lab Blank**

**Lab ID#: 2112656-06A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12123006** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/30/21 12:14 PM** | |
| | | **Date of Extraction: 12/30/21** | |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 88 | 60-120 |
| Pyrene-d10 | 102 | 60-120 |
| Benzo(a)pyrene-d12 | 99 | 50-150 |
| Fluoranthene-d10 | 83 | 50-150 |

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**Client Sample ID: CCV**

**Lab ID#: 2112656-07A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12123003** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/30/21 10:44 AM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 99 |
| 2-Methylnaphthalene | 102 |
| 2-Chloronaphthalene | 109 |
| Acenaphthylene | 102 |
| Acenaphthene | 98 |
| Fluorene | 99 |
| Phenanthrene | 103 |
| Anthracene | 106 |
| Fluoranthene | 97 |
| Pyrene | 114 |
| Chrysene | 102 |
| Benzo(a)anthracene | 96 |
| Benzo(b)fluoranthene | 102 |
| Benzo(k)fluoranthene | 103 |
| Benzo(a)pyrene | 103 |
| Indeno(1,2,3-c,d)pyrene | 107 |
| Dibenz(a,h)anthracene | 111 |
| Benzo(g,h,i)perylene | 117 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 98 | 70-130 |
| Pyrene-d10 | 115 | 70-130 |
| Benzo(a)pyrene-d12 | 101 | 70-130 |
| Fluoranthene-d10 | 99 | 70-130 |

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**Client Sample ID: LCS**

**Lab ID#: 2112656-08A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12123004** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/30/21 11:14 AM** | |
| | | **Date of Extraction: 12/30/21** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 72 | 60-120 |
| 2-Methylnaphthalene | 75 | 60-120 |
| 2-Chloronaphthalene | 88 | 60-120 |
| Acenaphthylene | 80 | 60-120 |
| Acenaphthene | 78 | 60-120 |
| Fluorene | 80 | 60-120 |
| Phenanthrene | 83 | 60-120 |
| Anthracene | 84 | 60-120 |
| Fluoranthene | 81 | 60-120 |
| Pyrene | 90 | 60-120 |
| Chrysene | 83 | 60-120 |
| Benzo(a)anthracene | 81 | 60-120 |
| Benzo(b)fluoranthene | 84 | 60-120 |
| Benzo(k)fluoranthene | 81 | 60-120 |
| Benzo(a)pyrene | 84 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 81 | 60-120 |
| Dibenz(a,h)anthracene | 90 | 60-120 |
| Benzo(g,h,i)perylene | 93 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 85 | 60-120 |
| Pyrene-d10 | 99 | 60-120 |
| Benzo(a)pyrene-d12 | 99 | 50-150 |
| Fluoranthene-d10 | 82 | 50-150 |

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**Client Sample ID: LCSD**

**Lab ID#: 2112656-08AA**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12123005** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/30/21 11:44 AM** | |
| | | **Date of Extraction: 12/30/21** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 75 | 60-120 |
| 2-Methylnaphthalene | 79 | 60-120 |
| 2-Chloronaphthalene | 78 | 60-120 |
| Acenaphthylene | 77 | 60-120 |
| Acenaphthene | 78 | 60-120 |
| Fluorene | 78 | 60-120 |
| Phenanthrene | 78 | 60-120 |
| Anthracene | 81 | 60-120 |
| Fluoranthene | 75 | 60-120 |
| Pyrene | 96 | 60-120 |
| Chrysene | 81 | 60-120 |
| Benzo(a)anthracene | 79 | 60-120 |
| Benzo(b)fluoranthene | 75 | 60-120 |
| Benzo(k)fluoranthene | 84 | 60-120 |
| Benzo(a)pyrene | 82 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 81 | 60-120 |
| Dibenz(a,h)anthracene | 91 | 60-120 |
| Benzo(g,h,i)perylene | 94 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 83 | 60-120 |
| Pyrene-d10 | 104 | 60-120 |
| Benzo(a)pyrene-d12 | 96 | 50-150 |
| Fluoranthene-d10 | 74 | 50-150 |

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1/7/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th St.
Project #: 0529307
Workorder #: 2112723

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 12/30/2021 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-13A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

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# WORK ORDER #: 2112723

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 022633-1107 |
| **FAX:** | | **PROJECT #** | 0529307 Champaign 5th St. |
| **DATE RECEIVED:** | 12/30/2021 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 01/07/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20211227-29-SE-SAM1 | Modified TO-13A |
| 02A | 20211227-29-NE-SAM2 | Modified TO-13A |
| 03A | 20211227-29-SE-SAM3 | Modified TO-13A |
| 04A | 20211227-29-NW-SAM4 | Modified TO-13A |
| 05A | 20211227-29-SE-SAM5 | Modified TO-13A |
| 06A | Lab Blank | Modified TO-13A |
| 07A | CCV | Modified TO-13A |
| 08A | LCS | Modified TO-13A |
| 08AA | LCSD | Modified TO-13A |

CERTIFIED BY: DATE: 01/07/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

*This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.*

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**Modified TO-13A**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2112723**

Five PUF/XAD Cartridge-Low Volume samples were received on December 30, 2021. The laboratory performed the analysis for polycyclic aromatic hydrocarbons in air by modified EPA Method TO-13A. The PUF/XAD samples were extracted using Pressurized Fluid Extraction (PFE) by EPA Method 3545A. The sample extract was then concentrated to 1.0 mL and analyzed by GC/MS in the full scan mode.

To meet the quality control objectives outlined in Method TO-13A, a field blank is required for each sampling episode. If field blanks are not provided to the laboratory, any attendant risk to data quality is the responsibility of the data user.

The frequency of matrix spikes are determined by the different monitoring programs. Matrix spikes are not included in the routine calibration specifications for TO-13A.

| ***Requirement*** | ***TO-13A*** | ***ATL Modifications*** |
|---|---|---|
| Initial Calibration | Calibration range: 0.1-2.5 ug/mL in Hexane | Calibration range: 1.0-500 ug/mL in Methylene chloride |
| Method Blank | <MDL | <Reporting limit |
| Surrogate Recoveries | 60-120% | 50-150% for Field Surrogates<br>Fluoranthene-d10 and Benzo(a)pyrene-d12 |

## Receiving Notes

The Chain of Custody (COC) information for sample 20211227-29-SE-SAM5 did not match the entry on the sample tag with regard to sample identification. The information on the COC was used to process and report the sample.

## Analytical Notes

The sample cartridges were pre-spiked with Fluoranthene-d10 and Benzo(a)Pyrene-d12 on 12/20/2021.

Due to laboratory error, the media used for collection of samples 20211227-29-SE-SAM1, 20211227-29-NE-SAM2, 20211227-29-SE-SAM3, 20211227-29-NW-SAM4, and 20211227-29-SE-SAM5 were not pre-spiked with surrogates Fluoranthene-d10 and Benzo(a)Pyrene-d12 prior to shipment. Corrective action #CAR-091 was initiated.

## Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
E - Exceeds instrument calibration range.
Q - Exceeds quality control limits.
S - Saturated peak.
J - Estimated value.
B - Compound present in laboratory blank greater than reporting limit (background subtraction not

performed).
U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

**Client Sample ID: 20211227-29-SE-SAM1**

**Lab ID#: 2112723-01A**

No Detections Were Found.

**Client Sample ID: 20211227-29-NE-SAM2**

**Lab ID#: 2112723-02A**

No Detections Were Found.

**Client Sample ID: 20211227-29-SE-SAM3**

**Lab ID#: 2112723-03A**

No Detections Were Found.

**Client Sample ID: 20211227-29-NW-SAM4**

**Lab ID#: 2112723-04A**

No Detections Were Found.

**Client Sample ID: 20211227-29-SE-SAM5**

**Lab ID#: 2112723-05A**

No Detections Were Found.

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**Client Sample ID: 20211227-29-SE-SAM1**

**Lab ID#: 2112723-01A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12120312** | **Date of Collection: 12/29/21 8:31:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/3/22 03:42 PM** |
| | | **Date of Extraction: 1/3/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 84 | 60-120 |
| Pyrene-d10 | 96 | 60-120 |
| Benzo(a)pyrene-d12 | Not Spiked | |
| Fluoranthene-d10 | Not Spiked | |

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**Client Sample ID: 20211227-29-NE-SAM2**

**Lab ID#: 2112723-02A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12120313** | **Date of Collection: 12/29/21 9:09:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/3/22 04:12 PM** |
| | | **Date of Extraction: 1/3/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 86 | 60-120 |
| Pyrene-d10 | 105 | 60-120 |
| Benzo(a)pyrene-d12 | Not Spiked | |
| Fluoranthene-d10 | Not Spiked | |

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**Client Sample ID: 20211227-29-SE-SAM3**

**Lab ID#: 2112723-03A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12120314** | **Date of Collection: 12/29/21 8:22:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/3/22 04:42 PM** |
| | | **Date of Extraction: 1/3/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 84 | 60-120 |
| Pyrene-d10 | 112 | 60-120 |
| Benzo(a)pyrene-d12 | Not Spiked | |
| Fluoranthene-d10 | Not Spiked | |

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**Client Sample ID: 20211227-29-NW-SAM4**

**Lab ID#: 2112723-04A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12120315** | **Date of Collection: 12/29/21 8:58:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/3/22 05:12 PM** |
| | | **Date of Extraction: 1/3/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 86 | 60-120 |
| Pyrene-d10 | 102 | 60-120 |
| Benzo(a)pyrene-d12 | Not Spiked | |
| Fluoranthene-d10 | Not Spiked | |

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**Client Sample ID: 20211227-29-SE-SAM5**

**Lab ID#: 2112723-05A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12120316** | **Date of Collection: 12/29/21 8:45:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/3/22 05:42 PM** |
| | | **Date of Extraction: 1/3/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 94 | 60-120 |
| Pyrene-d10 | 106 | 60-120 |
| Benzo(a)pyrene-d12 | Not Spiked | |
| Fluoranthene-d10 | Not Spiked | |

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**Client Sample ID: Lab Blank**

**Lab ID#: 2112723-06A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12120324** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/3/22 09:40 PM** | |
| | | **Date of Extraction: 1/3/22** | |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 93 | 60-120 |
| Pyrene-d10 | 105 | 60-120 |
| Benzo(a)pyrene-d12 | 103 | 50-150 |
| Fluoranthene-d10 | 81 | 50-150 |

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**Client Sample ID: CCV**

**Lab ID#: 2112723-07A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12120303** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/3/22 11:12 AM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 111 |
| 2-Methylnaphthalene | 110 |
| 2-Chloronaphthalene | 116 |
| Acenaphthylene | 110 |
| Acenaphthene | 106 |
| Fluorene | 107 |
| Phenanthrene | 107 |
| Anthracene | 113 |
| Fluoranthene | 104 |
| Pyrene | 124 |
| Chrysene | 106 |
| Benzo(a)anthracene | 99 |
| Benzo(b)fluoranthene | 106 |
| Benzo(k)fluoranthene | 106 |
| Benzo(a)pyrene | 105 |
| Indeno(1,2,3-c,d)pyrene | 93 |
| Dibenz(a,h)anthracene | 81 |
| Benzo(g,h,i)perylene | 113 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 107 | 70-130 |
| Pyrene-d10 | 126 | 70-130 |
| Benzo(a)pyrene-d12 | 105 | 70-130 |
| Fluoranthene-d10 | 105 | 70-130 |

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**Client Sample ID: LCS**

**Lab ID#: 2112723-08A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12120304** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/3/22 11:42 AM** | |
| | | **Date of Extraction: 1/3/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 77 | 60-120 |
| 2-Methylnaphthalene | 74 | 60-120 |
| 2-Chloronaphthalene | 79 | 60-120 |
| Acenaphthylene | 77 | 60-120 |
| Acenaphthene | 76 | 60-120 |
| Fluorene | 77 | 60-120 |
| Phenanthrene | 78 | 60-120 |
| Anthracene | 80 | 60-120 |
| Fluoranthene | 74 | 60-120 |
| Pyrene | 90 | 60-120 |
| Chrysene | 80 | 60-120 |
| Benzo(a)anthracene | 75 | 60-120 |
| Benzo(b)fluoranthene | 74 | 60-120 |
| Benzo(k)fluoranthene | 82 | 60-120 |
| Benzo(a)pyrene | 80 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 75 | 60-120 |
| Dibenz(a,h)anthracene | 82 | 60-120 |
| Benzo(g,h,i)perylene | 88 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 80 | 60-120 |
| Pyrene-d10 | 95 | 60-120 |
| Benzo(a)pyrene-d12 | 95 | 50-150 |
| Fluoranthene-d10 | 76 | 50-150 |

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**Client Sample ID: LCSD**

**Lab ID#: 2112723-08AA**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12120305** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/3/22 12:12 PM** | |
| | | **Date of Extraction: 1/3/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 66 | 60-120 |
| 2-Methylnaphthalene | 69 | 60-120 |
| 2-Chloronaphthalene | 81 | 60-120 |
| Acenaphthylene | 72 | 60-120 |
| Acenaphthene | 72 | 60-120 |
| Fluorene | 71 | 60-120 |
| Phenanthrene | 75 | 60-120 |
| Anthracene | 75 | 60-120 |
| Fluoranthene | 67 | 60-120 |
| Pyrene | 93 | 60-120 |
| Chrysene | 77 | 60-120 |
| Benzo(a)anthracene | 74 | 60-120 |
| Benzo(b)fluoranthene | 72 | 60-120 |
| Benzo(k)fluoranthene | 81 | 60-120 |
| Benzo(a)pyrene | 80 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 76 | 60-120 |
| Dibenz(a,h)anthracene | 83 | 60-120 |
| Benzo(g,h,i)perylene | 92 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 70 | 60-120 |
| Pyrene-d10 | 95 | 60-120 |
| Benzo(a)pyrene-d12 | 92 | 50-150 |
| Fluoranthene-d10 | 66 | 50-150 |

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1/12/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th St.
Project #: 0529307
Workorder #: 2201011

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 1/4/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-13A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

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# WORK ORDER #: 2201011

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 012633-1107 |
| **FAX:** | | **PROJECT #** | 0529307 Champaign 5th St. |
| **DATE RECEIVED:** | 01/04/2022 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 01/12/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20211229-30-SE-SAM1 | Modified TO-13A |
| 02A | 20211229-30-NE-SAM2 | Modified TO-13A |
| 03A | 20211229-30-SE-SAM3 | Modified TO-13A |
| 04A | 20211229-30-NW-SAM4 | Modified TO-13A |
| 05A | 20211229-30-SW-SAM5 | Modified TO-13A |
| 06A | Lab Blank | Modified TO-13A |
| 07A | CCV | Modified TO-13A |
| 08A | LCS | Modified TO-13A |
| 08AA | LCSD | Modified TO-13A |

CERTIFIED BY: DATE: 01/12/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**Modified TO-13A**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2201011**

Five PUF/XAD Cartridge-Low Volume samples were received on January 04, 2022. The laboratory performed the analysis for polycyclic aromatic hydrocarbons in air by modified EPA Method TO-13A. The PUF/XAD samples were extracted using Pressurized Fluid Extraction (PFE) by EPA Method 3545A. The sample extract was then concentrated to 1.0 mL and analyzed by GC/MS in the full scan mode.

To meet the quality control objectives outlined in Method TO-13A, a field blank is required for each sampling episode. If field blanks are not provided to the laboratory, any attendant risk to data quality is the responsibility of the data user.

The frequency of matrix spikes are determined by the different monitoring programs. Matrix spikes are not included in the routine calibration specifications for TO-13A.

| ***Requirement*** | ***TO-13A*** | ***ATL Modifications*** |
|---|---|---|
| Initial Calibration | Calibration range: 0.1-2.5 ug/mL in Hexane | Calibration range: 1.0-500 ug/mL in Methylene chloride |
| Method Blank | <MDL | <Reporting limit |
| Surrogate Recoveries | 60-120% | 50-150% for Field Surrogates<br>Fluoranthene-d10 and Benzo(a)pyrene-d12 |

## Receiving Notes

There were no receiving discrepancies.

## Analytical Notes

The sample cartridges were pre-spiked with Fluoranthene-d10 and Benzo(a)Pyrene-d12 on 12/27/2021.

## Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
E - Exceeds instrument calibration range.
Q - Exceeds quality control limits.
S - Saturated peak.
J - Estimated value.
B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates

as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

**Client Sample ID: 20211229-30-SE-SAM1**

**Lab ID#: 2201011-01A**

No Detections Were Found.

**Client Sample ID: 20211229-30-NE-SAM2**

**Lab ID#: 2201011-02A**

No Detections Were Found.

**Client Sample ID: 20211229-30-SE-SAM3**

**Lab ID#: 2201011-03A**

No Detections Were Found.

**Client Sample ID: 20211229-30-NW-SAM4**

**Lab ID#: 2201011-04A**

No Detections Were Found.

**Client Sample ID: 20211229-30-SW-SAM5**

**Lab ID#: 2201011-05A**

No Detections Were Found.

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**Client Sample ID: 20211229-30-SE-SAM1**

**Lab ID#: 2201011-01A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12010519** | **Date of Collection: 12/30/21 3:37:00 PM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/5/22 06:36 PM** |
| | | **Date of Extraction: 1/5/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 80 | 60-120 |
| Pyrene-d10 | 97 | 60-120 |
| Benzo(a)pyrene-d12 | 87 | 50-150 |
| Fluoranthene-d10 | 72 | 50-150 |

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**Client Sample ID: 20211229-30-NE-SAM2**

**Lab ID#: 2201011-02A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12010520** | **Date of Collection: 12/30/21 3:30:00 PM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/5/22 07:06 PM** |
| | | **Date of Extraction: 1/5/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 90 | 60-120 |
| Pyrene-d10 | 106 | 60-120 |
| Benzo(a)pyrene-d12 | 92 | 50-150 |
| Fluoranthene-d10 | 79 | 50-150 |

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**Client Sample ID: 20211229-30-SE-SAM3**

**Lab ID#: 2201011-03A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12010521** | **Date of Collection: 12/30/21 3:34:00 PM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/5/22 07:36 PM** |
| | | **Date of Extraction: 1/5/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 84 | 60-120 |
| Pyrene-d10 | 99 | 60-120 |
| Benzo(a)pyrene-d12 | 79 | 50-150 |
| Fluoranthene-d10 | 72 | 50-150 |

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**Client Sample ID: 20211229-30-NW-SAM4**

**Lab ID#: 2201011-04A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12010522** | **Date of Collection: 12/30/21 3:45:00 PM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/5/22 08:06 PM** |
| | | **Date of Extraction: 1/5/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 85 | 60-120 |
| Pyrene-d10 | 110 | 60-120 |
| Benzo(a)pyrene-d12 | 97 | 50-150 |
| Fluoranthene-d10 | 77 | 50-150 |

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**Client Sample ID: 20211229-30-SW-SAM5**

**Lab ID#: 2201011-05A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12010523** | **Date of Collection: 12/30/21 3:40:00 PM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/5/22 08:36 PM** |
| | | **Date of Extraction: 1/5/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 90 | 60-120 |
| Pyrene-d10 | 104 | 60-120 |
| Benzo(a)pyrene-d12 | 92 | 50-150 |
| Fluoranthene-d10 | 81 | 50-150 |

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**Client Sample ID: Lab Blank**

**Lab ID#: 2201011-06A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12010524** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/5/22 09:05 PM** | |
| | | **Date of Extraction: 1/5/22** | |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 92 | 60-120 |
| Pyrene-d10 | 97 | 60-120 |
| Benzo(a)pyrene-d12 | 96 | 50-150 |
| Fluoranthene-d10 | 77 | 50-150 |

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**Client Sample ID: CCV**

**Lab ID#: 2201011-07A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12010503** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/5/22 10:38 AM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 101 |
| 2-Methylnaphthalene | 105 |
| 2-Chloronaphthalene | 106 |
| Acenaphthylene | 100 |
| Acenaphthene | 97 |
| Fluorene | 99 |
| Phenanthrene | 98 |
| Anthracene | 104 |
| Fluoranthene | 96 |
| Pyrene | 108 |
| Chrysene | 98 |
| Benzo(a)anthracene | 92 |
| Benzo(b)fluoranthene | 93 |
| Benzo(k)fluoranthene | 102 |
| Benzo(a)pyrene | 98 |
| Indeno(1,2,3-c,d)pyrene | 94 |
| Dibenz(a,h)anthracene | 93 |
| Benzo(g,h,i)perylene | 105 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 97 | 70-130 |
| Pyrene-d10 | 107 | 70-130 |
| Benzo(a)pyrene-d12 | 96 | 70-130 |
| Fluoranthene-d10 | 96 | 70-130 |

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**Client Sample ID: LCS**

**Lab ID#: 2201011-08A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12010504** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/5/22 11:08 AM** | |
| | | **Date of Extraction: 1/5/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 74 | 60-120 |
| 2-Methylnaphthalene | 77 | 60-120 |
| 2-Chloronaphthalene | 81 | 60-120 |
| Acenaphthylene | 82 | 60-120 |
| Acenaphthene | 79 | 60-120 |
| Fluorene | 80 | 60-120 |
| Phenanthrene | 82 | 60-120 |
| Anthracene | 79 | 60-120 |
| Fluoranthene | 77 | 60-120 |
| Pyrene | 101 | 60-120 |
| Chrysene | 86 | 60-120 |
| Benzo(a)anthracene | 84 | 60-120 |
| Benzo(b)fluoranthene | 82 | 60-120 |
| Benzo(k)fluoranthene | 85 | 60-120 |
| Benzo(a)pyrene | 86 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 83 | 60-120 |
| Dibenz(a,h)anthracene | 88 | 60-120 |
| Benzo(g,h,i)perylene | 98 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 86 | 60-120 |
| Pyrene-d10 | 112 | 60-120 |
| Benzo(a)pyrene-d12 | 101 | 50-150 |
| Fluoranthene-d10 | 77 | 50-150 |

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**Client Sample ID: LCSD**

**Lab ID#: 2201011-08AA**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12010505** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/5/22 11:38 AM** | |
| | | **Date of Extraction: 1/5/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 75 | 60-120 |
| 2-Methylnaphthalene | 79 | 60-120 |
| 2-Chloronaphthalene | 82 | 60-120 |
| Acenaphthylene | 77 | 60-120 |
| Acenaphthene | 73 | 60-120 |
| Fluorene | 74 | 60-120 |
| Phenanthrene | 75 | 60-120 |
| Anthracene | 73 | 60-120 |
| Fluoranthene | 73 | 60-120 |
| Pyrene | 83 | 60-120 |
| Chrysene | 75 | 60-120 |
| Benzo(a)anthracene | 74 | 60-120 |
| Benzo(b)fluoranthene | 75 | 60-120 |
| Benzo(k)fluoranthene | 77 | 60-120 |
| Benzo(a)pyrene | 78 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 71 | 60-120 |
| Dibenz(a,h)anthracene | 79 | 60-120 |
| Benzo(g,h,i)perylene | 84 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 76 | 60-120 |
| Pyrene-d10 | 87 | 60-120 |
| Benzo(a)pyrene-d12 | 89 | 50-150 |
| Fluoranthene-d10 | 69 | 50-150 |

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1/17/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th St.
Project #: 0529307
Workorder #: 2201068

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 1/7/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-13A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

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# WORK ORDER #: 2201068

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 012633-1107 |
| **FAX:** | | **PROJECT #** | 0529307 Champaign 5th St. |
| **DATE RECEIVED:** | 01/07/2022 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 01/17/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20220103-05-SE-SAM1 | Modified TO-13A |
| 02A | 20220103-05-NE-SAM2 | Modified TO-13A |
| 03A | 20220103-05-SE-SAM3 | Modified TO-13A |
| 04A | 20220103-05-NW-SAM4 | Modified TO-13A |
| 05A | 20220103-05-SW-SAM5 | Modified TO-13A |
| 06A | 20220103-05-BLANK1 | Modified TO-13A |
| 07A | 20280103-05-BLANK2 | Modified TO-13A |
| 08A | Lab Blank | Modified TO-13A |
| 09A | CCV | Modified TO-13A |
| 10A | LCS | Modified TO-13A |
| 10AA | LCSD | Modified TO-13A |

CERTIFIED BY: Heidi Hayes DATE: 01/17/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**Modified TO-13A**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2201068**

Seven PUF/XAD Cartridge-Low Volume samples were received on January 07, 2022. The laboratory performed the analysis for polycyclic aromatic hydrocarbons in air by modified EPA Method TO-13A. The PUF/XAD samples were extracted using Pressurized Fluid Extraction (PFE) by EPA Method 3545A. The sample extract was then concentrated to 1.0 mL and analyzed by GC/MS in the full scan mode.

To meet the quality control objectives outlined in Method TO-13A, a field blank is required for each sampling episode. If field blanks are not provided to the laboratory, any attendant risk to data quality is the responsibility of the data user.

The frequency of matrix spikes are determined by the different monitoring programs. Matrix spikes are not included in the routine calibration specifications for TO-13A.

| ***Requirement*** | ***TO-13A*** | ***ATL Modifications*** |
|---|---|---|
| Initial Calibration | Calibration range: 0.1-2.5 ug/mL in Hexane | Calibration range: 1.0-500 ug/mL in Methylene chloride |
| Method Blank | <MDL | <Reporting limit |
| Surrogate Recoveries | 60-120% | 50-150% for Field Surrogates<br>Fluoranthene-d10 and Benzo(a)pyrene-d12 |

## Receiving Notes

The Chain of Custody (COC) information for sample 20280103-5-BLANK2 did not match the entry on the sample tag with regard to sample identification. The information on the sample tag was used to process and report the sample.

## Analytical Notes

The sample cartridges were pre-spiked with Fluoranthene-d10 and Benzo(a)Pyrene-d12 on 12/06/2021, 12/13/2021, and 12/27/2021.

All Quality Control Limit exceedances and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

## Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
E - Exceeds instrument calibration range.
Q - Exceeds quality control limits.
S - Saturated peak.
J - Estimated value.

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

**Client Sample ID: 20220103-05-SE-SAM1**

**Lab ID#: 2201068-01A**

No Detections Were Found.

**Client Sample ID: 20220103-05-NE-SAM2**

**Lab ID#: 2201068-02A**

No Detections Were Found.

**Client Sample ID: 20220103-05-SE-SAM3**

**Lab ID#: 2201068-03A**

No Detections Were Found.

**Client Sample ID: 20220103-05-NW-SAM4**

**Lab ID#: 2201068-04A**

No Detections Were Found.

**Client Sample ID: 20220103-05-SW-SAM5**

**Lab ID#: 2201068-05A**

No Detections Were Found.

**Client Sample ID: 20220103-05-BLANK1**

**Lab ID#: 2201068-06A**

No Detections Were Found.

**Client Sample ID: 20280103-05-BLANK2**

**Lab ID#: 2201068-07A**

No Detections Were Found.

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**Client Sample ID: 20220103-05-SE-SAM1**

**Lab ID#: 2201068-01A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12011013** | **Date of Collection: 1/5/22 1:12:00 PM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/10/22 03:43 PM** |
| | | **Date of Extraction: 1/10/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 75 | 60-120 |
| Pyrene-d10 | 73 | 60-120 |
| Benzo(a)pyrene-d12 | 78 | 50-150 |
| Fluoranthene-d10 | 72 | 50-150 |

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**Client Sample ID: 20220103-05-NE-SAM2**

**Lab ID#: 2201068-02A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12011014** | **Date of Collection: 1/5/22 1:45:00 PM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/10/22 04:13 PM** |
| | | **Date of Extraction: 1/10/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 86 | 60-120 |
| Pyrene-d10 | 92 | 60-120 |
| Benzo(a)pyrene-d12 | 97 | 50-150 |
| Fluoranthene-d10 | 82 | 50-150 |

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**Client Sample ID: 20220103-05-SE-SAM3**

**Lab ID#: 2201068-03A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12011015** | **Date of Collection: 1/5/22 1:29:00 PM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/10/22 04:43 PM** |
| | | **Date of Extraction: 1/10/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 91 | 60-120 |
| Pyrene-d10 | 95 | 60-120 |
| Benzo(a)pyrene-d12 | 98 | 50-150 |
| Fluoranthene-d10 | 88 | 50-150 |

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**Client Sample ID: 20220103-05-NW-SAM4**

**Lab ID#: 2201068-04A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12011016** | **Date of Collection: 1/5/22 12:40:00 PM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/10/22 05:12 PM** |
| | | **Date of Extraction: 1/10/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 79 | 60-120 |
| Pyrene-d10 | 80 | 60-120 |
| Benzo(a)pyrene-d12 | 86 | 50-150 |
| Fluoranthene-d10 | 74 | 50-150 |

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**Client Sample ID: 20220103-05-SW-SAM5**

**Lab ID#: 2201068-05A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12011017** | **Date of Collection: 1/5/22 12:56:00 PM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/10/22 05:42 PM** |
| | | **Date of Extraction: 1/10/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 74 | 60-120 |
| Pyrene-d10 | 81 | 60-120 |
| Benzo(a)pyrene-d12 | 82 | 50-150 |
| Fluoranthene-d10 | 70 | 50-150 |

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**Client Sample ID: 20220103-05-BLANK1**

**Lab ID#: 2201068-06A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12011018** | **Date of Collection:** | **1/5/22** |
| **Dil. Factor:** | **1.00** | **Date of Analysis:** | **1/10/22 06:12 PM** |
| | | **Date of Extraction:** | **1/10/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 87 | 60-120 |
| Pyrene-d10 | 96 | 60-120 |
| Benzo(a)pyrene-d12 | 104 | 50-150 |
| Fluoranthene-d10 | 84 | 50-150 |

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**Client Sample ID: 20280103-05-BLANK2**

**Lab ID#: 2201068-07A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12011019** | **Date of Collection:** | **1/5/22** |
| **Dil. Factor:** | **1.00** | **Date of Analysis:** | **1/10/22 06:42 PM** |
| | | **Date of Extraction:** | **1/10/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 76 | 60-120 |
| Pyrene-d10 | 79 | 60-120 |
| Benzo(a)pyrene-d12 | 84 | 50-150 |
| Fluoranthene-d10 | 75 | 50-150 |

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**Client Sample ID: Lab Blank**

**Lab ID#: 2201068-08A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12011007** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/10/22 12:43 PM** | |
| | | **Date of Extraction: 1/10/22** | |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 94 | 60-120 |
| Pyrene-d10 | 95 | 60-120 |
| Benzo(a)pyrene-d12 | 117 | 50-150 |
| Fluoranthene-d10 | 91 | 50-150 |

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**Client Sample ID: CCV**

**Lab ID#: 2201068-09A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12011003** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/10/22 10:43 AM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 106 |
| 2-Methylnaphthalene | 108 |
| 2-Chloronaphthalene | 110 |
| Acenaphthylene | 106 |
| Acenaphthene | 103 |
| Fluorene | 101 |
| Phenanthrene | 104 |
| Anthracene | 109 |
| Fluoranthene | 103 |
| Pyrene | 102 |
| Chrysene | 98 |
| Benzo(a)anthracene | 97 |
| Benzo(b)fluoranthene | 103 |
| Benzo(k)fluoranthene | 103 |
| Benzo(a)pyrene | 106 |
| Indeno(1,2,3-c,d)pyrene | 133 Q |
| Dibenz(a,h)anthracene | 121 |
| Benzo(g,h,i)perylene | 122 |

Q = Exceeds Quality Control limits.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 101 | 70-130 |
| Pyrene-d10 | 101 | 70-130 |
| Benzo(a)pyrene-d12 | 105 | 70-130 |
| Fluoranthene-d10 | 105 | 70-130 |

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**Client Sample ID: LCS**

**Lab ID#: 2201068-10A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12011005** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/10/22 11:43 AM** | |
| | | **Date of Extraction: 1/10/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 84 | 60-120 |
| 2-Methylnaphthalene | 91 | 60-120 |
| 2-Chloronaphthalene | 82 | 60-120 |
| Acenaphthylene | 88 | 60-120 |
| Acenaphthene | 84 | 60-120 |
| Fluorene | 87 | 60-120 |
| Phenanthrene | 86 | 60-120 |
| Anthracene | 82 | 60-120 |
| Fluoranthene | 89 | 60-120 |
| Pyrene | 88 | 60-120 |
| Chrysene | 89 | 60-120 |
| Benzo(a)anthracene | 87 | 60-120 |
| Benzo(b)fluoranthene | 89 | 60-120 |
| Benzo(k)fluoranthene | 83 | 60-120 |
| Benzo(a)pyrene | 92 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 115 | 60-120 |
| Dibenz(a,h)anthracene | 106 | 60-120 |
| Benzo(g,h,i)perylene | 106 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 92 | 60-120 |
| Pyrene-d10 | 95 | 60-120 |
| Benzo(a)pyrene-d12 | 115 | 50-150 |
| Fluoranthene-d10 | 94 | 50-150 |

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**Client Sample ID: LCSD**

**Lab ID#: 2201068-10AA**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12011006** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/10/22 12:13 PM** | |
| | | **Date of Extraction: 1/10/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 88 | 60-120 |
| 2-Methylnaphthalene | 94 | 60-120 |
| 2-Chloronaphthalene | 98 | 60-120 |
| Acenaphthylene | 92 | 60-120 |
| Acenaphthene | 90 | 60-120 |
| Fluorene | 90 | 60-120 |
| Phenanthrene | 89 | 60-120 |
| Anthracene | 84 | 60-120 |
| Fluoranthene | 92 | 60-120 |
| Pyrene | 87 | 60-120 |
| Chrysene | 94 | 60-120 |
| Benzo(a)anthracene | 90 | 60-120 |
| Benzo(b)fluoranthene | 85 | 60-120 |
| Benzo(k)fluoranthene | 91 | 60-120 |
| Benzo(a)pyrene | 94 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 118 | 60-120 |
| Dibenz(a,h)anthracene | 105 | 60-120 |
| Benzo(g,h,i)perylene | 105 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 94 | 60-120 |
| Pyrene-d10 | 94 | 60-120 |
| Benzo(a)pyrene-d12 | 116 | 50-150 |
| Fluoranthene-d10 | 99 | 50-150 |

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1/19/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th St.
Project #: 0529307-900
Workorder #: 2201153

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 1/11/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-13A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

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# WORK ORDER #: 2201153

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 012633-1107 |
| **FAX:** | | **PROJECT #** | 0529307-900 Champaign 5th St. |
| **DATE RECEIVED:** | 01/11/2022 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 01/19/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20220105-07-SE-SAM1 | Modified TO-13A |
| 02A | 20220105-07-NE-SAM2 | Modified TO-13A |
| 03A | 20220105-07-SE-SAM3 | Modified TO-13A |
| 04A | 20220105-07-NW-SAM4 | Modified TO-13A |
| 05A | 20220105-07-SW-SAM5 | Modified TO-13A |
| 06A | 20220105-07-BLANK | Modified TO-13A |
| 07A | Lab Blank | Modified TO-13A |
| 08A | CCV | Modified TO-13A |
| 09A | LCS | Modified TO-13A |
| 09AA | LCSD | Modified TO-13A |

CERTIFIED BY: Heidi Hayes DATE: 01/19/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**Modified TO-13A**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2201153**

Six PUF/XAD Cartridge-Low Volume samples were received on January 11, 2022. The laboratory performed the analysis for polycyclic aromatic hydrocarbons in air by modified EPA Method TO-13A. The PUF/XAD samples were extracted using Pressurized Fluid Extraction (PFE) by EPA Method 3545A. The sample extract was then concentrated to 1.0 mL and analyzed by GC/MS in the full scan mode.

To meet the quality control objectives outlined in Method TO-13A, a field blank is required for each sampling episode. If field blanks are not provided to the laboratory, any attendant risk to data quality is the responsibility of the data user.

The frequency of matrix spikes are determined by the different monitoring programs. Matrix spikes are not included in the routine calibration specifications for TO-13A.

| ***Requirement*** | ***TO-13A*** | ***ATL Modifications*** |
|---|---|---|
| Initial Calibration | Calibration range: 0.1-2.5 ug/mL in Hexane | Calibration range: 1.0-500 ug/mL in Methylene chloride |
| Method Blank | <MDL | <Reporting limit |
| Surrogate Recoveries | 60-120% | 50-150% for Field Surrogates<br>Fluoranthene-d10 and Benzo(a)pyrene-d12 |

## Receiving Notes

There were no receiving discrepancies.

## Analytical Notes

The sample cartridges were pre-spiked with Fluoranthene-d10 and Benzo(a)Pyrene-d12 on 12/27/2021.

## Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
E - Exceeds instrument calibration range.
Q - Exceeds quality control limits.
S - Saturated peak.
J - Estimated value.
B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

**Client Sample ID: 20220105-07-SE-SAM1**

**Lab ID#: 2201153-01A**

No Detections Were Found.

**Client Sample ID: 20220105-07-NE-SAM2**

**Lab ID#: 2201153-02A**

No Detections Were Found.

**Client Sample ID: 20220105-07-SE-SAM3**

**Lab ID#: 2201153-03A**

No Detections Were Found.

**Client Sample ID: 20220105-07-NW-SAM4**

**Lab ID#: 2201153-04A**

No Detections Were Found.

**Client Sample ID: 20220105-07-SW-SAM5**

**Lab ID#: 2201153-05A**

No Detections Were Found.

**Client Sample ID: 20220105-07-BLANK**

**Lab ID#: 2201153-06A**

No Detections Were Found.

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**Client Sample ID: 20220105-07-SE-SAM1**

**Lab ID#: 2201153-01A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12011417** | **Date of Collection: 1/7/22 11:06:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/14/22 07:05 PM** |
| | | **Date of Extraction: 1/14/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 70 | 60-120 |
| Pyrene-d10 | 77 | 60-120 |
| Benzo(a)pyrene-d12 | 76 | 50-150 |
| Fluoranthene-d10 | 66 | 50-150 |

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**Client Sample ID: 20220105-07-NE-SAM2**

**Lab ID#: 2201153-02A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12011418** | **Date of Collection: 1/7/22 11:24:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/14/22 07:34 PM** |
| | | **Date of Extraction: 1/14/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 84 | 60-120 |
| Pyrene-d10 | 89 | 60-120 |
| Benzo(a)pyrene-d12 | 95 | 50-150 |
| Fluoranthene-d10 | 77 | 50-150 |

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**Client Sample ID: 20220105-07-SE-SAM3**

**Lab ID#: 2201153-03A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12011419** | **Date of Collection: 1/7/22 11:03:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/14/22 08:04 PM** |
| | | **Date of Extraction: 1/14/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 76 | 60-120 |
| Pyrene-d10 | 79 | 60-120 |
| Benzo(a)pyrene-d12 | 84 | 50-150 |
| Fluoranthene-d10 | 71 | 50-150 |

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**Client Sample ID: 20220105-07-NW-SAM4**

**Lab ID#: 2201153-04A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12011420** | **Date of Collection: 1/7/22 11:18:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/14/22 08:34 PM** |
| | | **Date of Extraction: 1/14/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 70 | 60-120 |
| Pyrene-d10 | 76 | 60-120 |
| Benzo(a)pyrene-d12 | 77 | 50-150 |
| Fluoranthene-d10 | 67 | 50-150 |

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**Client Sample ID: 20220105-07-SW-SAM5**

**Lab ID#: 2201153-05A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12011421** | **Date of Collection: 1/7/22 11:13:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/14/22 09:04 PM** |
| | | **Date of Extraction: 1/14/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 82 | 60-120 |
| Pyrene-d10 | 94 | 60-120 |
| Benzo(a)pyrene-d12 | 95 | 50-150 |
| Fluoranthene-d10 | 79 | 50-150 |

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**Client Sample ID: 20220105-07-BLANK**

**Lab ID#: 2201153-06A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12011422** | **Date of Collection:** | **1/7/22** |
| **Dil. Factor:** | **1.00** | **Date of Analysis:** | **1/14/22 09:34 PM** |
| | | **Date of Extraction:** | **1/14/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 81 | 60-120 |
| Pyrene-d10 | 90 | 60-120 |
| Benzo(a)pyrene-d12 | 95 | 50-150 |
| Fluoranthene-d10 | 79 | 50-150 |

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**Client Sample ID: Lab Blank**

**Lab ID#: 2201153-07A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12011406** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/14/22 01:35 PM** | |
| | | **Date of Extraction: 1/14/22** | |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 79 | 60-120 |
| Pyrene-d10 | 86 | 60-120 |
| Benzo(a)pyrene-d12 | 95 | 50-150 |
| Fluoranthene-d10 | 78 | 50-150 |

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**Client Sample ID: CCV**

**Lab ID#: 2201153-08A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12011403** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/14/22 12:05 PM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 106 |
| 2-Methylnaphthalene | 106 |
| 2-Chloronaphthalene | 107 |
| Acenaphthylene | 96 |
| Acenaphthene | 97 |
| Fluorene | 99 |
| Phenanthrene | 96 |
| Anthracene | 107 |
| Fluoranthene | 104 |
| Pyrene | 96 |
| Chrysene | 102 |
| Benzo(a)anthracene | 96 |
| Benzo(b)fluoranthene | 94 |
| Benzo(k)fluoranthene | 107 |
| Benzo(a)pyrene | 103 |
| Indeno(1,2,3-c,d)pyrene | 122 |
| Dibenz(a,h)anthracene | 112 |
| Benzo(g,h,i)perylene | 112 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 101 | 70-130 |
| Pyrene-d10 | 97 | 70-130 |
| Benzo(a)pyrene-d12 | 101 | 70-130 |
| Fluoranthene-d10 | 104 | 70-130 |

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**Client Sample ID: LCS**

**Lab ID#: 2201153-09A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12011404** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/14/22 12:35 PM** | |
| | | **Date of Extraction: 1/14/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 67 | 60-120 |
| 2-Methylnaphthalene | 69 | 60-120 |
| 2-Chloronaphthalene | 85 | 60-120 |
| Acenaphthylene | 73 | 60-120 |
| Acenaphthene | 80 | 60-120 |
| Fluorene | 78 | 60-120 |
| Phenanthrene | 80 | 60-120 |
| Anthracene | 84 | 60-120 |
| Fluoranthene | 82 | 60-120 |
| Pyrene | 81 | 60-120 |
| Chrysene | 85 | 60-120 |
| Benzo(a)anthracene | 82 | 60-120 |
| Benzo(b)fluoranthene | 82 | 60-120 |
| Benzo(k)fluoranthene | 89 | 60-120 |
| Benzo(a)pyrene | 83 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 90 | 60-120 |
| Dibenz(a,h)anthracene | 93 | 60-120 |
| Benzo(g,h,i)perylene | 93 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 84 | 60-120 |
| Pyrene-d10 | 87 | 60-120 |
| Benzo(a)pyrene-d12 | 95 | 50-150 |
| Fluoranthene-d10 | 80 | 50-150 |

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**Client Sample ID: LCSD**

**Lab ID#: 2201153-09AA**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12011405** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/14/22 01:05 PM** | |
| | | **Date of Extraction: 1/14/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 79 | 60-120 |
| 2-Methylnaphthalene | 84 | 60-120 |
| 2-Chloronaphthalene | 86 | 60-120 |
| Acenaphthylene | 76 | 60-120 |
| Acenaphthene | 77 | 60-120 |
| Fluorene | 81 | 60-120 |
| Phenanthrene | 76 | 60-120 |
| Anthracene | 84 | 60-120 |
| Fluoranthene | 76 | 60-120 |
| Pyrene | 77 | 60-120 |
| Chrysene | 81 | 60-120 |
| Benzo(a)anthracene | 79 | 60-120 |
| Benzo(b)fluoranthene | 80 | 60-120 |
| Benzo(k)fluoranthene | 84 | 60-120 |
| Benzo(a)pyrene | 83 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 84 | 60-120 |
| Dibenz(a,h)anthracene | 88 | 60-120 |
| Benzo(g,h,i)perylene | 88 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 82 | 60-120 |
| Pyrene-d10 | 81 | 60-120 |
| Benzo(a)pyrene-d12 | 97 | 50-150 |
| Fluoranthene-d10 | 76 | 50-150 |

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1/21/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th St
Project #: 0529307-900
Workorder #: 2201207

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 1/13/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-13A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

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# WORK ORDER #: 2201207

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 012633-1107 |
| **FAX:** | | **PROJECT #** | 0529307-900 Champaign 5th St |
| **DATE RECEIVED:** | 01/13/2022 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 01/21/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20220110-12-SE-SAM1 | Modified TO-13A |
| 02A | 20220110-12-NE-SAM2 | Modified TO-13A |
| 03A | 20220110-12-SE-SAM3 | Modified TO-13A |
| 04A | 20220110-12-NW-SAM4 | Modified TO-13A |
| 05A | 20220110-12-SW-SAM5 | Modified TO-13A |
| 06A | 20220110-12-BLANK | Modified TO-13A |
| 07A | Lab Blank | Modified TO-13A |
| 08A | CCV | Modified TO-13A |
| 09A | LCS | Modified TO-13A |
| 09AA | LCSD | Modified TO-13A |

CERTIFIED BY: DATE: 01/21/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**Modified TO-13A**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2201207**

Six PUF/XAD Cartridge-Low Volume samples were received on January 13, 2022. The laboratory performed the analysis for polycyclic aromatic hydrocarbons in air by modified EPA Method TO-13A. The PUF/XAD samples were extracted using Pressurized Fluid Extraction (PFE) by EPA Method 3545A. The sample extract was then concentrated to 1.0 mL and analyzed by GC/MS in the full scan mode.

To meet the quality control objectives outlined in Method TO-13A, a field blank is required for each sampling episode. If field blanks are not provided to the laboratory, any attendant risk to data quality is the responsibility of the data user.

The frequency of matrix spikes are determined by the different monitoring programs. Matrix spikes are not included in the routine calibration specifications for TO-13A.

| ***Requirement*** | ***TO-13A*** | ***ATL Modifications*** |
|---|---|---|
| Initial Calibration | Calibration range: 0.1-2.5 ug/mL in Hexane | Calibration range: 1.0-500 ug/mL in Methylene chloride |
| Method Blank | <MDL | <Reporting limit |
| Surrogate Recoveries | 60-120% | 50-150% for Field Surrogates<br>Fluoranthene-d10 and Benzo(a)pyrene-d12 |

## Receiving Notes

There were no receiving discrepancies.

## Analytical Notes

The sample cartridges were pre-spiked with Fluoranthene-d10 and Benzo(a)Pyrene-d12 on 01/03/2022.

## Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
E - Exceeds instrument calibration range.
Q - Exceeds quality control limits.
S - Saturated peak.
J - Estimated value.
B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

**Client Sample ID: 20220110-12-SE-SAM1**

**Lab ID#: 2201207-01A**

No Detections Were Found.

**Client Sample ID: 20220110-12-NE-SAM2**

**Lab ID#: 2201207-02A**

No Detections Were Found.

**Client Sample ID: 20220110-12-SE-SAM3**

**Lab ID#: 2201207-03A**

No Detections Were Found.

**Client Sample ID: 20220110-12-NW-SAM4**

**Lab ID#: 2201207-04A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 1.0 |

**Client Sample ID: 20220110-12-SW-SAM5**

**Lab ID#: 2201207-05A**

No Detections Were Found.

**Client Sample ID: 20220110-12-BLANK**

**Lab ID#: 2201207-06A**

No Detections Were Found.

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**Client Sample ID: 20220110-12-SE-SAM1**

**Lab ID#: 2201207-01A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12011821** | **Date of Collection: 1/12/22 8:06:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/18/22 08:02 PM** |
| | | **Date of Extraction: 1/18/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 82 | 60-120 |
| Pyrene-d10 | 97 | 60-120 |
| Benzo(a)pyrene-d12 | 80 | 50-150 |
| Fluoranthene-d10 | 74 | 50-150 |

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**Client Sample ID: 20220110-12-NE-SAM2**

**Lab ID#: 2201207-02A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12011822** | **Date of Collection: 1/12/22 8:20:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/18/22 08:32 PM** |
| | | **Date of Extraction: 1/18/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 84 | 60-120 |
| Pyrene-d10 | 107 | 60-120 |
| Benzo(a)pyrene-d12 | 84 | 50-150 |
| Fluoranthene-d10 | 76 | 50-150 |

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**Client Sample ID: 20220110-12-SE-SAM3**

**Lab ID#: 2201207-03A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12011823** | **Date of Collection: 1/12/22 7:54:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/18/22 09:02 PM** |
| | | **Date of Extraction: 1/18/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 74 | 60-120 |
| Pyrene-d10 | 87 | 60-120 |
| Benzo(a)pyrene-d12 | 82 | 50-150 |
| Fluoranthene-d10 | 68 | 50-150 |

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**Client Sample ID: 20220110-12-NW-SAM4**

**Lab ID#: 2201207-04A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12011824** | **Date of Collection: 1/12/22 8:35:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/18/22 09:32 PM** |
| | | **Date of Extraction: 1/18/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 1.0 |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 73 | 60-120 |
| Pyrene-d10 | 94 | 60-120 |
| Benzo(a)pyrene-d12 | 78 | 50-150 |
| Fluoranthene-d10 | 68 | 50-150 |

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**Client Sample ID: 20220110-12-SW-SAM5**

**Lab ID#: 2201207-05A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12011825** | **Date of Collection: 1/12/22 8:48:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/18/22 10:02 PM** |
| | | **Date of Extraction: 1/18/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 85 | 60-120 |
| Pyrene-d10 | 98 | 60-120 |
| Benzo(a)pyrene-d12 | 79 | 50-150 |
| Fluoranthene-d10 | 76 | 50-150 |

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**Client Sample ID: 20220110-12-BLANK**

**Lab ID#: 2201207-06A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12011826** | **Date of Collection: 1/12/22 8:50:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/18/22 10:32 PM** |
| | | **Date of Extraction: 1/18/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 83 | 60-120 |
| Pyrene-d10 | 99 | 60-120 |
| Benzo(a)pyrene-d12 | 81 | 50-150 |
| Fluoranthene-d10 | 77 | 50-150 |

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**Client Sample ID: Lab Blank**

**Lab ID#: 2201207-07A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12011806** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/18/22 12:32 PM** | |
| | | **Date of Extraction: 1/18/22** | |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 81 | 60-120 |
| Pyrene-d10 | 94 | 60-120 |
| Benzo(a)pyrene-d12 | 93 | 50-150 |
| Fluoranthene-d10 | 77 | 50-150 |

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**Client Sample ID: CCV**

**Lab ID#: 2201207-08A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12011803** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/18/22 11:02 AM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 98 |
| 2-Methylnaphthalene | 96 |
| 2-Chloronaphthalene | 111 |
| Acenaphthylene | 100 |
| Acenaphthene | 102 |
| Fluorene | 98 |
| Phenanthrene | 99 |
| Anthracene | 108 |
| Fluoranthene | 97 |
| Pyrene | 110 |
| Chrysene | 97 |
| Benzo(a)anthracene | 98 |
| Benzo(b)fluoranthene | 102 |
| Benzo(k)fluoranthene | 114 |
| Benzo(a)pyrene | 108 |
| Indeno(1,2,3-c,d)pyrene | 103 |
| Dibenz(a,h)anthracene | 114 |
| Benzo(g,h,i)perylene | 114 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 101 | 70-130 |
| Pyrene-d10 | 112 | 70-130 |
| Benzo(a)pyrene-d12 | 106 | 70-130 |
| Fluoranthene-d10 | 99 | 70-130 |

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**Client Sample ID: LCS**

**Lab ID#: 2201207-09A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12011804** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/18/22 11:32 AM** | |
| | | **Date of Extraction: 1/18/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 76 | 60-120 |
| 2-Methylnaphthalene | 85 | 60-120 |
| 2-Chloronaphthalene | 85 | 60-120 |
| Acenaphthylene | 74 | 60-120 |
| Acenaphthene | 75 | 60-120 |
| Fluorene | 80 | 60-120 |
| Phenanthrene | 75 | 60-120 |
| Anthracene | 82 | 60-120 |
| Fluoranthene | 75 | 60-120 |
| Pyrene | 77 | 60-120 |
| Chrysene | 80 | 60-120 |
| Benzo(a)anthracene | 77 | 60-120 |
| Benzo(b)fluoranthene | 78 | 60-120 |
| Benzo(k)fluoranthene | 81 | 60-120 |
| Benzo(a)pyrene | 80 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 81 | 60-120 |
| Dibenz(a,h)anthracene | 86 | 60-120 |
| Benzo(g,h,i)perylene | 87 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 85 | 60-120 |
| Pyrene-d10 | 81 | 60-120 |
| Benzo(a)pyrene-d12 | 94 | 50-150 |
| Fluoranthene-d10 | 76 | 50-150 |

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**Client Sample ID: LCSD**

**Lab ID#: 2201207-09AA**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12011805** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/18/22 12:02 PM** | |
| | | **Date of Extraction: 1/18/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 72 | 60-120 |
| 2-Methylnaphthalene | 76 | 60-120 |
| 2-Chloronaphthalene | 86 | 60-120 |
| Acenaphthylene | 76 | 60-120 |
| Acenaphthene | 78 | 60-120 |
| Fluorene | 78 | 60-120 |
| Phenanthrene | 77 | 60-120 |
| Anthracene | 85 | 60-120 |
| Fluoranthene | 77 | 60-120 |
| Pyrene | 83 | 60-120 |
| Chrysene | 84 | 60-120 |
| Benzo(a)anthracene | 81 | 60-120 |
| Benzo(b)fluoranthene | 82 | 60-120 |
| Benzo(k)fluoranthene | 85 | 60-120 |
| Benzo(a)pyrene | 84 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 83 | 60-120 |
| Dibenz(a,h)anthracene | 90 | 60-120 |
| Benzo(g,h,i)perylene | 90 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 83 | 60-120 |
| Pyrene-d10 | 89 | 60-120 |
| Benzo(a)pyrene-d12 | 100 | 50-150 |
| Fluoranthene-d10 | 76 | 50-150 |

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1/26/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th St.
Project #: 0529307-900
Workorder #: 2201351

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 1/18/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-13A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

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# WORK ORDER #: 2201351

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 012633-1107 |
| **FAX:** | | **PROJECT #** | 0529307-900 Champaign 5th St. |
| **DATE RECEIVED:** | 01/18/2022 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 01/26/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20220112-14-SE-SAM1 | Modified TO-13A |
| 02A | 20220112-14-NE-SAM2 | Modified TO-13A |
| 03A | 20220112-14-SE-SAM3 | Modified TO-13A |
| 04A | 20220112-14-NW-SAM4 | Modified TO-13A |
| 05A | 20220112-14-SW-SAM5 | Modified TO-13A |
| 06A | 20220112-14-SAM6 | Modified TO-13A |
| 07A | Lab Blank | Modified TO-13A |
| 08A | CCV | Modified TO-13A |
| 09A | LCS | Modified TO-13A |
| 09AA | LCSD | Modified TO-13A |

CERTIFIED BY: DATE: 01/26/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**Modified TO-13A**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2201351**

Six PUF/XAD Cartridge-Low Volume samples were received on January 18, 2022. The laboratory performed the analysis for polycyclic aromatic hydrocarbons in air by modified EPA Method TO-13A. The PUF/XAD samples were extracted using Pressurized Fluid Extraction (PFE) by EPA Method 3545A. The sample extract was then concentrated to 1.0 mL and analyzed by GC/MS in the full scan mode.

To meet the quality control objectives outlined in Method TO-13A, a field blank is required for each sampling episode. If field blanks are not provided to the laboratory, any attendant risk to data quality is the responsibility of the data user.

The frequency of matrix spikes are determined by the different monitoring programs. Matrix spikes are not included in the routine calibration specifications for TO-13A.

| ***Requirement*** | ***TO-13A*** | ***ATL Modifications*** |
|---|---|---|
| Initial Calibration | Calibration range: 0.1-2.5 ug/mL in Hexane | Calibration range: 1.0-500 ug/mL in Methylene chloride |
| Method Blank | <MDL | <Reporting limit |
| Surrogate Recoveries | 60-120% | 50-150% for Field Surrogates<br>Fluoranthene-d10 and Benzo(a)pyrene-d12 |

## Receiving Notes

There were no receiving discrepancies.

## Analytical Notes

The sample cartridges were pre-spiked with Fluoranthene-d10 and Benzo(a)Pyrene-d12 on 01/03/2022 and 01/10/2022.

## Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
E - Exceeds instrument calibration range.
Q - Exceeds quality control limits.
S - Saturated peak.
J - Estimated value.
B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

**Client Sample ID: 20220112-14-SE-SAM1**

**Lab ID#: 2201351-01A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 2.2 |

**Client Sample ID: 20220112-14-NE-SAM2**

**Lab ID#: 2201351-02A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 1.0 |

**Client Sample ID: 20220112-14-SE-SAM3**

**Lab ID#: 2201351-03A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 1.4 |

**Client Sample ID: 20220112-14-NW-SAM4**

**Lab ID#: 2201351-04A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 23 |
| 2-Methylnaphthalene | 1.0 | 3.9 |

**Client Sample ID: 20220112-14-SW-SAM5**

**Lab ID#: 2201351-05A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 2.5 |

**Client Sample ID: 20220112-14-SAM6**

**Lab ID#: 2201351-06A**

No Detections Were Found.

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**Client Sample ID: 20220112-14-SE-SAM1**

**Lab ID#: 2201351-01A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12012120** | **Date of Collection: 1/14/22 12:27:00 PM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/21/22 07:13 PM** |
| | | **Date of Extraction: 1/21/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 2.2 |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 82 | 60-120 |
| Pyrene-d10 | 109 | 60-120 |
| Benzo(a)pyrene-d12 | 91 | 50-150 |
| Fluoranthene-d10 | 76 | 50-150 |

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**Client Sample ID: 20220112-14-NE-SAM2**

**Lab ID#: 2201351-02A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12012121** | **Date of Collection: 1/14/22 12:07:00 PM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/21/22 07:43 PM** |
| | | **Date of Extraction: 1/21/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 1.0 |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 80 | 60-120 |
| Pyrene-d10 | 114 | 60-120 |
| Benzo(a)pyrene-d12 | 94 | 50-150 |
| Fluoranthene-d10 | 69 | 50-150 |

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**Client Sample ID: 20220112-14-SE-SAM3**

**Lab ID#: 2201351-03A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12012122** | **Date of Collection: 1/14/22 12:23:00 PM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/21/22 08:13 PM** |
| | | **Date of Extraction: 1/21/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 1.4 |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 64 | 60-120 |
| Pyrene-d10 | 85 | 60-120 |
| Benzo(a)pyrene-d12 | 69 | 50-150 |
| Fluoranthene-d10 | 59 | 50-150 |

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**Client Sample ID: 20220112-14-NW-SAM4**

**Lab ID#: 2201351-04A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12012123** | **Date of Collection: 1/14/22 12:13:00 PM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/21/22 08:43 PM** |
| | | **Date of Extraction: 1/21/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 23 |
| 2-Methylnaphthalene | 1.0 | 3.9 |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 72 | 60-120 |
| Pyrene-d10 | 90 | 60-120 |
| Benzo(a)pyrene-d12 | 77 | 50-150 |
| Fluoranthene-d10 | 68 | 50-150 |

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**Client Sample ID: 20220112-14-SW-SAM5**

**Lab ID#: 2201351-05A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12012124** | **Date of Collection: 1/14/22 12:18:00 PM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/21/22 09:13 PM** |
| | | **Date of Extraction: 1/21/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 2.5 |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 66 | 60-120 |
| Pyrene-d10 | 95 | 60-120 |
| Benzo(a)pyrene-d12 | 76 | 50-150 |
| Fluoranthene-d10 | 58 | 50-150 |

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**Client Sample ID: 20220112-14-SAM6**

**Lab ID#: 2201351-06A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12012125** | **Date of Collection: 1/14/22 12:30:00 PM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/21/22 09:43 PM** |
| | | **Date of Extraction: 1/21/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 71 | 60-120 |
| Pyrene-d10 | 98 | 60-120 |
| Benzo(a)pyrene-d12 | 87 | 50-150 |
| Fluoranthene-d10 | 67 | 50-150 |

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**Client Sample ID: Lab Blank**

**Lab ID#: 2201351-07A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12012106** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/21/22 12:14 PM** | |
| | | **Date of Extraction: 1/21/22** | |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 78 | 60-120 |
| Pyrene-d10 | 113 | 60-120 |
| Benzo(a)pyrene-d12 | 95 | 50-150 |
| Fluoranthene-d10 | 68 | 50-150 |

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**Client Sample ID: CCV**

**Lab ID#: 2201351-08A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12012103** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/21/22 10:44 AM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 100 |
| 2-Methylnaphthalene | 100 |
| 2-Chloronaphthalene | 113 |
| Acenaphthylene | 103 |
| Acenaphthene | 106 |
| Fluorene | 104 |
| Phenanthrene | 103 |
| Anthracene | 111 |
| Fluoranthene | 100 |
| Pyrene | 118 |
| Chrysene | 109 |
| Benzo(a)anthracene | 105 |
| Benzo(b)fluoranthene | 108 |
| Benzo(k)fluoranthene | 113 |
| Benzo(a)pyrene | 109 |
| Indeno(1,2,3-c,d)pyrene | 103 |
| Dibenz(a,h)anthracene | 114 |
| Benzo(g,h,i)perylene | 118 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 104 | 70-130 |
| Pyrene-d10 | 119 | 70-130 |
| Benzo(a)pyrene-d12 | 109 | 70-130 |
| Fluoranthene-d10 | 102 | 70-130 |

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**Client Sample ID: LCS**

**Lab ID#: 2201351-09A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12012104** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/21/22 11:14 AM** | |
| | | **Date of Extraction: 1/21/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 70 | 60-120 |
| 2-Methylnaphthalene | 71 | 60-120 |
| 2-Chloronaphthalene | 87 | 60-120 |
| Acenaphthylene | 76 | 60-120 |
| Acenaphthene | 76 | 60-120 |
| Fluorene | 80 | 60-120 |
| Phenanthrene | 78 | 60-120 |
| Anthracene | 81 | 60-120 |
| Fluoranthene | 77 | 60-120 |
| Pyrene | 88 | 60-120 |
| Chrysene | 80 | 60-120 |
| Benzo(a)anthracene | 80 | 60-120 |
| Benzo(b)fluoranthene | 81 | 60-120 |
| Benzo(k)fluoranthene | 81 | 60-120 |
| Benzo(a)pyrene | 82 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 71 | 60-120 |
| Dibenz(a,h)anthracene | 87 | 60-120 |
| Benzo(g,h,i)perylene | 88 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 87 | 60-120 |
| Pyrene-d10 | 93 | 60-120 |
| Benzo(a)pyrene-d12 | 100 | 50-150 |
| Fluoranthene-d10 | 78 | 50-150 |

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**Client Sample ID: LCSD**

**Lab ID#: 2201351-09AA**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12012105** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/21/22 11:44 AM** | |
| | | **Date of Extraction: 1/21/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 61 | 60-120 |
| 2-Methylnaphthalene | 66 | 60-120 |
| 2-Chloronaphthalene | 81 | 60-120 |
| Acenaphthylene | 73 | 60-120 |
| Acenaphthene | 74 | 60-120 |
| Fluorene | 78 | 60-120 |
| Phenanthrene | 76 | 60-120 |
| Anthracene | 81 | 60-120 |
| Fluoranthene | 74 | 60-120 |
| Pyrene | 91 | 60-120 |
| Chrysene | 81 | 60-120 |
| Benzo(a)anthracene | 80 | 60-120 |
| Benzo(b)fluoranthene | 84 | 60-120 |
| Benzo(k)fluoranthene | 84 | 60-120 |
| Benzo(a)pyrene | 85 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 73 | 60-120 |
| Dibenz(a,h)anthracene | 92 | 60-120 |
| Benzo(g,h,i)perylene | 94 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 81 | 60-120 |
| Pyrene-d10 | 96 | 60-120 |
| Benzo(a)pyrene-d12 | 101 | 50-150 |
| Fluoranthene-d10 | 75 | 50-150 |

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1/29/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th St.
Project #: 0529307
Workorder #: 2201436

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 1/21/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-13A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

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# WORK ORDER #: 2201436

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 012633-1107 |
| **FAX:** | | **PROJECT #** | 0529307 Champaign 5th St. |
| **DATE RECEIVED:** | 01/21/2022 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 01/29/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20220117-19-SE-SAM1 | Modified TO-13A |
| 02A | 20220117-19-NE-SAM2 | Modified TO-13A |
| 03A | 20220117-19-SE-SAM3 | Modified TO-13A |
| 04A | 20220117-19-NW-SAM4 | Modified TO-13A |
| 05A | 20220117-19-SW-SAM5 | Modified TO-13A |
| 06A | 20220117-19-SAM6 | Modified TO-13A |
| 07A | Lab Blank | Modified TO-13A |
| 08A | CCV | Modified TO-13A |
| 09A | LCS | Modified TO-13A |
| 09AA | LCSD | Modified TO-13A |

CERTIFIED BY: DATE: 01/29/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**Modified TO-13A**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2201436**

Six PUF/XAD Cartridge-Low Volume samples were received on January 21, 2022. The laboratory performed the analysis for polycyclic aromatic hydrocarbons in air by modified EPA Method TO-13A. The PUF/XAD samples were extracted using Pressurized Fluid Extraction (PFE) by EPA Method 3545A. The sample extract was then concentrated to 1.0 mL and analyzed by GC/MS in the full scan mode.

To meet the quality control objectives outlined in Method TO-13A, a field blank is required for each sampling episode. If field blanks are not provided to the laboratory, any attendant risk to data quality is the responsibility of the data user.

The frequency of matrix spikes are determined by the different monitoring programs. Matrix spikes are not included in the routine calibration specifications for TO-13A.

| ***Requirement*** | ***TO-13A*** | ***ATL Modifications*** |
|---|---|---|
| Initial Calibration | Calibration range: 0.1-2.5 ug/mL in Hexane | Calibration range: 1.0-500 ug/mL in Methylene chloride |
| Method Blank | <MDL | <Reporting limit |
| Surrogate Recoveries | 60-120% | 50-150% for Field Surrogates<br>Fluoranthene-d10 and Benzo(a)pyrene-d12 |

## Receiving Notes

There were no receiving discrepancies.

## Analytical Notes

The sample cartridges were pre-spiked with Fluoranthene-d10 and Benzo(a)Pyrene-d12 on 01/10/2022.

The Relative Percent Difference (RPD) of the LCS/LCSD exceeded acceptance limits for Benzo(b)fluoranthene.

## Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
E - Exceeds instrument calibration range.
Q - Exceeds quality control limits.
S - Saturated peak.
J - Estimated value.
B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

**Client Sample ID: 20220117-19-SE-SAM1**

**Lab ID#: 2201436-01A**

No Detections Were Found.

**Client Sample ID: 20220117-19-NE-SAM2**

**Lab ID#: 2201436-02A**

No Detections Were Found.

**Client Sample ID: 20220117-19-SE-SAM3**

**Lab ID#: 2201436-03A**

No Detections Were Found.

**Client Sample ID: 20220117-19-NW-SAM4**

**Lab ID#: 2201436-04A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 4.5 |

**Client Sample ID: 20220117-19-SW-SAM5**

**Lab ID#: 2201436-05A**

No Detections Were Found.

**Client Sample ID: 20220117-19-SAM6**

**Lab ID#: 2201436-06A**

No Detections Were Found.

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**Client Sample ID: 20220117-19-SE-SAM1**

**Lab ID#: 2201436-01A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12012521** | **Date of Collection: 1/19/22 8:13:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/25/22 09:07 PM** |
| | | **Date of Extraction: 1/25/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 69 | 60-120 |
| Pyrene-d10 | 103 | 60-120 |
| Benzo(a)pyrene-d12 | 64 | 50-150 |
| Fluoranthene-d10 | 63 | 50-150 |

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**Client Sample ID: 20220117-19-NE-SAM2**

**Lab ID#: 2201436-02A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12012522** | **Date of Collection: 1/19/22 7:58:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/25/22 09:37 PM** |
| | | **Date of Extraction: 1/25/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 72 | 60-120 |
| Pyrene-d10 | 103 | 60-120 |
| Benzo(a)pyrene-d12 | 78 | 50-150 |
| Fluoranthene-d10 | 61 | 50-150 |

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**Client Sample ID: 20220117-19-SE-SAM3**

**Lab ID#: 2201436-03A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12012523** | **Date of Collection: 1/19/22 8:07:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/25/22 10:07 PM** |
| | | **Date of Extraction: 1/25/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 67 | 60-120 |
| Pyrene-d10 | 98 | 60-120 |
| Benzo(a)pyrene-d12 | 67 | 50-150 |
| Fluoranthene-d10 | 60 | 50-150 |

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**Client Sample ID: 20220117-19-NW-SAM4**

**Lab ID#: 2201436-04A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12012524** | **Date of Collection: 1/19/22 8:32:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/25/22 10:37 PM** |
| | | **Date of Extraction: 1/25/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 4.5 |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 74 | 60-120 |
| Pyrene-d10 | 114 | 60-120 |
| Benzo(a)pyrene-d12 | 63 | 50-150 |
| Fluoranthene-d10 | 65 | 50-150 |

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**Client Sample ID: 20220117-19-SW-SAM5**

**Lab ID#: 2201436-05A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12012525** | **Date of Collection: 1/19/22 8:23:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/25/22 11:07 PM** |
| | | **Date of Extraction: 1/25/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 81 | 60-120 |
| Pyrene-d10 | 120 | 60-120 |
| Benzo(a)pyrene-d12 | 76 | 50-150 |
| Fluoranthene-d10 | 73 | 50-150 |

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**Client Sample ID: 20220117-19-SAM6**

**Lab ID#: 2201436-06A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12012526** | **Date of Collection: 1/19/22 8:45:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/25/22 11:37 PM** |
| | | **Date of Extraction: 1/25/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 75 | 60-120 |
| Pyrene-d10 | 101 | 60-120 |
| Benzo(a)pyrene-d12 | 72 | 50-150 |
| Fluoranthene-d10 | 64 | 50-150 |

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**Client Sample ID: Lab Blank**

**Lab ID#: 2201436-07A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12012506** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/25/22 01:37 PM** | |
| | | **Date of Extraction: 1/25/22** | |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 78 | 60-120 |
| Pyrene-d10 | 94 | 60-120 |
| Benzo(a)pyrene-d12 | 81 | 50-150 |
| Fluoranthene-d10 | 72 | 50-150 |

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**Client Sample ID: CCV**

**Lab ID#: 2201436-08A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12012503** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/25/22 12:07 PM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 84 |
| 2-Methylnaphthalene | 81 |
| 2-Chloronaphthalene | 94 |
| Acenaphthylene | 85 |
| Acenaphthene | 85 |
| Fluorene | 86 |
| Phenanthrene | 83 |
| Anthracene | 92 |
| Fluoranthene | 83 |
| Pyrene | 100 |
| Chrysene | 86 |
| Benzo(a)anthracene | 81 |
| Benzo(b)fluoranthene | 84 |
| Benzo(k)fluoranthene | 95 |
| Benzo(a)pyrene | 88 |
| Indeno(1,2,3-c,d)pyrene | 72 |
| Dibenz(a,h)anthracene | 90 |
| Benzo(g,h,i)perylene | 98 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 86 | 70-130 |
| Pyrene-d10 | 106 | 70-130 |
| Benzo(a)pyrene-d12 | 94 | 70-130 |
| Fluoranthene-d10 | 84 | 70-130 |

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**Client Sample ID: LCS**

**Lab ID#: 2201436-09A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12012504** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/25/22 12:37 PM** | |
| | | **Date of Extraction: 1/25/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 65 | 60-120 |
| 2-Methylnaphthalene | 69 | 60-120 |
| 2-Chloronaphthalene | 82 | 60-120 |
| Acenaphthylene | 74 | 60-120 |
| Acenaphthene | 75 | 60-120 |
| Fluorene | 80 | 60-120 |
| Phenanthrene | 86 | 60-120 |
| Anthracene | 88 | 60-120 |
| Fluoranthene | 78 | 60-120 |
| Pyrene | 109 | 60-120 |
| Chrysene | 92 | 60-120 |
| Benzo(a)anthracene | 83 | 60-120 |
| Benzo(b)fluoranthene | 86 | 60-120 |
| Benzo(k)fluoranthene | 90 | 60-120 |
| Benzo(a)pyrene | 94 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 87 | 60-120 |
| Dibenz(a,h)anthracene | 108 | 60-120 |
| Benzo(g,h,i)perylene | 113 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 81 | 60-120 |
| Pyrene-d10 | 116 | 60-120 |
| Benzo(a)pyrene-d12 | 109 | 50-150 |
| Fluoranthene-d10 | 79 | 50-150 |

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**Client Sample ID: LCSD**

**Lab ID#: 2201436-09AA**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12012505** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/25/22 01:07 PM** | |
| | | **Date of Extraction: 1/25/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 67 | 60-120 |
| 2-Methylnaphthalene | 67 | 60-120 |
| 2-Chloronaphthalene | 79 | 60-120 |
| Acenaphthylene | 69 | 60-120 |
| Acenaphthene | 69 | 60-120 |
| Fluorene | 71 | 60-120 |
| Phenanthrene | 73 | 60-120 |
| Anthracene | 74 | 60-120 |
| Fluoranthene | 63 | 60-120 |
| Pyrene | 94 | 60-120 |
| Chrysene | 76 | 60-120 |
| Benzo(a)anthracene | 70 | 60-120 |
| Benzo(b)fluoranthene | 62 | 60-120 |
| Benzo(k)fluoranthene | 79 | 60-120 |
| Benzo(a)pyrene | 75 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 79 | 60-120 |
| Dibenz(a,h)anthracene | 89 | 60-120 |
| Benzo(g,h,i)perylene | 93 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 73 | 60-120 |
| Pyrene-d10 | 97 | 60-120 |
| Benzo(a)pyrene-d12 | 88 | 50-150 |
| Fluoranthene-d10 | 64 | 50-150 |

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2/2/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th St.
Project #: 0529307
Workorder #: 2201533

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 1/25/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-13A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

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# WORK ORDER #: 2201533

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 012633-1107 |
| **FAX:** | | **PROJECT #** | 0529307 Champaign 5th St. |
| **DATE RECEIVED:** | 01/25/2022 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 02/02/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20220119-21-SE-SAM1 | Modified TO-13A |
| 02A | 20220119-21-NE-SAM2 | Modified TO-13A |
| 03A | 20220119-21-SE-SAM3 | Modified TO-13A |
| 04A | 20220119-21-NW-SAM4 | Modified TO-13A |
| 05A | 20220119-21-SW-SAM5 | Modified TO-13A |
| 06A | 20220119-21-SAM6 | Modified TO-13A |
| 07A | Lab Blank | Modified TO-13A |
| 08A | CCV | Modified TO-13A |
| 09A | LCS | Modified TO-13A |
| 09AA | LCSD | Modified TO-13A |

CERTIFIED BY: DATE: 02/02/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**Modified TO-13A**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2201533**

Six PUF/XAD Cartridge-Low Volume samples were received on January 25, 2022. The laboratory performed the analysis for polycyclic aromatic hydrocarbons in air by modified EPA Method TO-13A. The PUF/XAD samples were extracted using Pressurized Fluid Extraction (PFE) by EPA Method 3545A. The sample extract was then concentrated to 1.0 mL and analyzed by GC/MS in the full scan mode.

To meet the quality control objectives outlined in Method TO-13A, a field blank is required for each sampling episode. If field blanks are not provided to the laboratory, any attendant risk to data quality is the responsibility of the data user.

The frequency of matrix spikes are determined by the different monitoring programs. Matrix spikes are not included in the routine calibration specifications for TO-13A.

| ***Requirement*** | ***TO-13A*** | ***ATL Modifications*** |
|---|---|---|
| Initial Calibration | Calibration range: 0.1-2.5 ug/mL in Hexane | Calibration range: 1.0-500 ug/mL in Methylene chloride |
| Method Blank | <MDL | <Reporting limit |
| Surrogate Recoveries | 60-120% | 50-150% for Field Surrogates<br>Fluoranthene-d10 and Benzo(a)pyrene-d12 |

## Receiving Notes

There were no receiving discrepancies.

## Analytical Notes

The sample cartridges were pre-spiked with Fluoranthene-d10 and Benzo(a)Pyrene-d12 on 01/17/2022.

The recovery for Naphthalene in the LCS was outside the laboratory control limits. Due to the nature of PUF/XAD2 extraction, it is not possible to re-extract the associated samples. All other LCS recoveries were within allowed limits.

## Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
E - Exceeds instrument calibration range.
Q - Exceeds quality control limits.
S - Saturated peak.
J - Estimated value.
B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data

page for project specific U-flag definition.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

**Client Sample ID: 20220119-21-SE-SAM1**

**Lab ID#: 2201533-01A**

No Detections Were Found.

**Client Sample ID: 20220119-21-NE-SAM2**

**Lab ID#: 2201533-02A**

No Detections Were Found.

**Client Sample ID: 20220119-21-SE-SAM3**

**Lab ID#: 2201533-03A**

No Detections Were Found.

**Client Sample ID: 20220119-21-NW-SAM4**

**Lab ID#: 2201533-04A**

No Detections Were Found.

**Client Sample ID: 20220119-21-SW-SAM5**

**Lab ID#: 2201533-05A**

No Detections Were Found.

**Client Sample ID: 20220119-21-SAM6**

**Lab ID#: 2201533-06A**

No Detections Were Found.

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**Client Sample ID: 20220119-21-SE-SAM1**

**Lab ID#: 2201533-01A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12012618** | **Date of Collection: 1/19/22 8:53:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/26/22 07:16 PM** |
| | | **Date of Extraction: 1/26/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 64 | 60-120 |
| Pyrene-d10 | 85 | 60-120 |
| Benzo(a)pyrene-d12 | 73 | 50-150 |
| Fluoranthene-d10 | 56 | 50-150 |

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**Client Sample ID: 20220119-21-NE-SAM2**

**Lab ID#: 2201533-02A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12012619** | **Date of Collection: 1/19/22 8:34:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/26/22 07:46 PM** |
| | | **Date of Extraction: 1/26/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 72 | 60-120 |
| Pyrene-d10 | 97 | 60-120 |
| Benzo(a)pyrene-d12 | 69 | 50-150 |
| Fluoranthene-d10 | 60 | 50-150 |

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**Client Sample ID: 20220119-21-SE-SAM3**

**Lab ID#: 2201533-03A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12012620** | **Date of Collection: 1/19/22 8:40:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/26/22 08:16 PM** |
| | | **Date of Extraction: 1/26/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 72 | 60-120 |
| Pyrene-d10 | 97 | 60-120 |
| Benzo(a)pyrene-d12 | 67 | 50-150 |
| Fluoranthene-d10 | 64 | 50-150 |

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**Client Sample ID: 20220119-21-NW-SAM4**

**Lab ID#: 2201533-04A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12012621** | **Date of Collection: 1/19/22 9:09:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/26/22 08:46 PM** |
| | | **Date of Extraction: 1/26/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 73 | 60-120 |
| Pyrene-d10 | 103 | 60-120 |
| Benzo(a)pyrene-d12 | 66 | 50-150 |
| Fluoranthene-d10 | 63 | 50-150 |

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**Client Sample ID: 20220119-21-SW-SAM5**

**Lab ID#: 2201533-05A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12012622** | **Date of Collection: 1/19/22 9:02:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/26/22 09:16 PM** |
| | | **Date of Extraction: 1/26/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 72 | 60-120 |
| Pyrene-d10 | 103 | 60-120 |
| Benzo(a)pyrene-d12 | 72 | 50-150 |
| Fluoranthene-d10 | 62 | 50-150 |

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**Client Sample ID: 20220119-21-SAM6**

**Lab ID#: 2201533-06A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12012623** | **Date of Collection: 1/19/22 10:30:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/26/22 09:45 PM** |
| | | **Date of Extraction: 1/26/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 66 | 60-120 |
| Pyrene-d10 | 95 | 60-120 |
| Benzo(a)pyrene-d12 | 60 | 50-150 |
| Fluoranthene-d10 | 54 | 50-150 |

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**Client Sample ID: Lab Blank**

**Lab ID#: 2201533-07A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12012607** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/26/22 01:46 PM** | |
| | | **Date of Extraction: 1/26/22** | |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 74 | 60-120 |
| Pyrene-d10 | 107 | 60-120 |
| Benzo(a)pyrene-d12 | 94 | 50-150 |
| Fluoranthene-d10 | 62 | 50-150 |

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**Client Sample ID: CCV**

**Lab ID#: 2201533-08A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12012604** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/26/22 12:15 PM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 83 |
| 2-Methylnaphthalene | 79 |
| 2-Chloronaphthalene | 91 |
| Acenaphthylene | 82 |
| Acenaphthene | 82 |
| Fluorene | 84 |
| Phenanthrene | 81 |
| Anthracene | 91 |
| Fluoranthene | 76 |
| Pyrene | 111 |
| Chrysene | 87 |
| Benzo(a)anthracene | 80 |
| Benzo(b)fluoranthene | 80 |
| Benzo(k)fluoranthene | 93 |
| Benzo(a)pyrene | 89 |
| Indeno(1,2,3-c,d)pyrene | 82 |
| Dibenz(a,h)anthracene | 100 |
| Benzo(g,h,i)perylene | 103 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 85 | 70-130 |
| Pyrene-d10 | 113 | 70-130 |
| Benzo(a)pyrene-d12 | 94 | 70-130 |
| Fluoranthene-d10 | 78 | 70-130 |

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**Client Sample ID: LCS**

**Lab ID#: 2201533-09A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12012605** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/26/22 12:46 PM** | |
| | | **Date of Extraction: 1/26/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 59 Q | 60-120 |
| 2-Methylnaphthalene | 61 | 60-120 |
| 2-Chloronaphthalene | 74 | 60-120 |
| Acenaphthylene | 64 | 60-120 |
| Acenaphthene | 66 | 60-120 |
| Fluorene | 70 | 60-120 |
| Phenanthrene | 68 | 60-120 |
| Anthracene | 66 | 60-120 |
| Fluoranthene | 61 | 60-120 |
| Pyrene | 90 | 60-120 |
| Chrysene | 74 | 60-120 |
| Benzo(a)anthracene | 65 | 60-120 |
| Benzo(b)fluoranthene | 66 | 60-120 |
| Benzo(k)fluoranthene | 75 | 60-120 |
| Benzo(a)pyrene | 70 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 60 | 60-120 |
| Dibenz(a,h)anthracene | 82 | 60-120 |
| Benzo(g,h,i)perylene | 84 | 60-120 |

Q = Exceeds Quality Control limits.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 74 | 60-120 |
| Pyrene-d10 | 96 | 60-120 |
| Benzo(a)pyrene-d12 | 82 | 50-150 |
| Fluoranthene-d10 | 63 | 50-150 |

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**Client Sample ID: LCSD**

**Lab ID#: 2201533-09AA**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12012606** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/26/22 01:16 PM** | |
| | | **Date of Extraction: 1/26/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 72 | 60-120 |
| 2-Methylnaphthalene | 73 | 60-120 |
| 2-Chloronaphthalene | 87 | 60-120 |
| Acenaphthylene | 75 | 60-120 |
| Acenaphthene | 75 | 60-120 |
| Fluorene | 77 | 60-120 |
| Phenanthrene | 76 | 60-120 |
| Anthracene | 75 | 60-120 |
| Fluoranthene | 68 | 60-120 |
| Pyrene | 105 | 60-120 |
| Chrysene | 84 | 60-120 |
| Benzo(a)anthracene | 75 | 60-120 |
| Benzo(b)fluoranthene | 70 | 60-120 |
| Benzo(k)fluoranthene | 92 | 60-120 |
| Benzo(a)pyrene | 82 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 76 | 60-120 |
| Dibenz(a,h)anthracene | 97 | 60-120 |
| Benzo(g,h,i)perylene | 102 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 82 | 60-120 |
| Pyrene-d10 | 112 | 60-120 |
| Benzo(a)pyrene-d12 | 95 | 50-150 |
| Fluoranthene-d10 | 68 | 50-150 |

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2/4/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th St.
Project #: 0529307
Workorder #: 2201590

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 1/27/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-13A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

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# WORK ORDER #: 2201590

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 012633-1107 |
| **FAX:** | | **PROJECT #** | 0529307 Champaign 5th St. |
| **DATE RECEIVED:** | 01/27/2022 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 02/04/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20220124-26-SE-SAM1 | Modified TO-13A |
| 02A | 20220124-26-NE-SAM2 | Modified TO-13A |
| 03A | 20220124-26-SE-SAM3 | Modified TO-13A |
| 04A | 20220124-26-NW-SAM4 | Modified TO-13A |
| 05A | 20220124-26-SW-SAM5 | Modified TO-13A |
| 06A | 20220124-26-SAM6 | Modified TO-13A |
| 07A | Lab Blank | Modified TO-13A |
| 08A | CCV | Modified TO-13A |
| 08B | CCV | Modified TO-13A |
| 08C | CCV | Modified TO-13A |
| 09A | LCS | Modified TO-13A |
| 09AA | LCSD | Modified TO-13A |

CERTIFIED BY: DATE: 02/04/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**Modified TO-13A**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2201590**

Six PUF/XAD Cartridge-Low Volume samples were received on January 27, 2022. The laboratory performed the analysis for polycyclic aromatic hydrocarbons in air by modified EPA Method TO-13A. The PUF/XAD samples were extracted using Pressurized Fluid Extraction (PFE) by EPA Method 3545A. The sample extract was then concentrated to 1.0 mL and analyzed by GC/MS in the full scan mode.

To meet the quality control objectives outlined in Method TO-13A, a field blank is required for each sampling episode. If field blanks are not provided to the laboratory, any attendant risk to data quality is the responsibility of the data user.

The frequency of matrix spikes are determined by the different monitoring programs. Matrix spikes are not included in the routine calibration specifications for TO-13A.

| ***Requirement*** | ***TO-13A*** | ***ATL Modifications*** |
|---|---|---|
| Initial Calibration | Calibration range: 0.1-2.5 ug/mL in Hexane | Calibration range: 1.0-500 ug/mL in Methylene chloride |
| Method Blank | <MDL | <Reporting limit |
| Surrogate Recoveries | 60-120% | 50-150% for Field Surrogates<br>Fluoranthene-d10 and Benzo(a)pyrene-d12 |

## Receiving Notes

The Chain of Custody (COC) information for samples 20220124-26-NE-SAM2 and 20220124-26-NW-SAM4 did not match the entries on the sample tags with regard to sample identification. Therefore the information on the COC was used to process and report the samples.

## Analytical Notes

The sample cartridges were pre-spiked with Fluoranthene-d10 and Benzo(a)Pyrene-d12 on 01/17/2022.

Recovery of surrogate Fluorene-d10 was below specified control limits in sample 20220124-26-SW-SAM5. Data is reported as qualified.

Recovery of surrogate Pyrene-d10 was above specified control limits in sample 20220124-26-SAM6. Data is reported as qualified.

The recoveries for Fluorene and Anthracene in the LCS were outside the laboratory control limits. Due to the nature of PUF/XAD2 extraction, it is not possible to re-extract the associated samples. All other LCS recoveries were within allowed limits.

**Definition of Data Qualifying Flags**

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
E - Exceeds instrument calibration range.
Q - Exceeds quality control limits.
S - Saturated peak.
J - Estimated value.
B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

**Client Sample ID: 20220124-26-SE-SAM1**

**Lab ID#: 2201590-01A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 1.0 |

**Client Sample ID: 20220124-26-NE-SAM2**

**Lab ID#: 2201590-02A**

No Detections Were Found.

**Client Sample ID: 20220124-26-SE-SAM3**

**Lab ID#: 2201590-03A**

No Detections Were Found.

**Client Sample ID: 20220124-26-NW-SAM4**

**Lab ID#: 2201590-04A**

No Detections Were Found.

**Client Sample ID: 20220124-26-SW-SAM5**

**Lab ID#: 2201590-05A**

No Detections Were Found.

**Client Sample ID: 20220124-26-SAM6**

**Lab ID#: 2201590-06A**

No Detections Were Found.

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**Client Sample ID: 20220124-26-SE-SAM1**

**Lab ID#: 2201590-01A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12013122** | **Date of Collection: 1/26/22 7:53:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/31/22 09:14 PM** |
| | | **Date of Extraction: 1/31/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 1.0 |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 62 | 60-120 |
| Pyrene-d10 | 92 | 60-120 |
| Benzo(a)pyrene-d12 | 105 | 50-150 |
| Fluoranthene-d10 | 66 | 50-150 |

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**Client Sample ID: 20220124-26-NE-SAM2**

**Lab ID#: 2201590-02A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12013123** | **Date of Collection: 1/26/22 7:38:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/31/22 09:44 PM** |
| | | **Date of Extraction: 1/31/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 74 | 60-120 |
| Pyrene-d10 | 88 | 60-120 |
| Benzo(a)pyrene-d12 | 117 | 50-150 |
| Fluoranthene-d10 | 75 | 50-150 |

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**Client Sample ID: 20220124-26-SE-SAM3**

**Lab ID#: 2201590-03A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12013124** | **Date of Collection: 1/26/22 7:46:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/31/22 10:14 PM** |
| | | **Date of Extraction: 1/31/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 61 | 60-120 |
| Pyrene-d10 | 76 | 60-120 |
| Benzo(a)pyrene-d12 | 102 | 50-150 |
| Fluoranthene-d10 | 62 | 50-150 |

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**Client Sample ID: 20220124-26-NW-SAM4**

**Lab ID#: 2201590-04A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12013125** | **Date of Collection: 1/26/22 8:11:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/31/22 10:44 PM** |
| | | **Date of Extraction: 1/31/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 70 | 60-120 |
| Pyrene-d10 | 85 | 60-120 |
| Benzo(a)pyrene-d12 | 123 | 50-150 |
| Fluoranthene-d10 | 74 | 50-150 |

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**Client Sample ID: 20220124-26-SW-SAM5**

**Lab ID#: 2201590-05A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12013126** | **Date of Collection: 1/26/22 8:03:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/31/22 11:14 PM** |
| | | **Date of Extraction: 1/31/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

Q = Exceeds Quality Control limits.

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 54 Q | 60-120 |
| Pyrene-d10 | 66 | 60-120 |
| Benzo(a)pyrene-d12 | 80 | 50-150 |
| Fluoranthene-d10 | 57 | 50-150 |

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**Client Sample ID: 20220124-26-SAM6**

**Lab ID#: 2201590-06A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12020131** | **Date of Collection: 1/26/22 7:39:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/1/22 11:28 PM** |
| | | **Date of Extraction: 1/31/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

Q = Exceeds Quality Control limits.

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 84 | 60-120 |
| Pyrene-d10 | 150 Q | 60-120 |
| Benzo(a)pyrene-d12 | 98 | 50-150 |
| Fluoranthene-d10 | 69 | 50-150 |

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**Client Sample ID: Lab Blank**

**Lab ID#: 2201590-07A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12020108** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/1/22 12:09 PM** | |
| | | **Date of Extraction: 1/31/22** | |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 82 | 60-120 |
| Pyrene-d10 | 91 | 60-120 |
| Benzo(a)pyrene-d12 | 93 | 50-150 |
| Fluoranthene-d10 | 82 | 50-150 |

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**Client Sample ID: CCV**

**Lab ID#: 2201590-08A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12013104** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/31/22 12:14 PM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 77 |
| 2-Methylnaphthalene | 76 |
| 2-Chloronaphthalene | 78 |
| Acenaphthylene | 75 |
| Acenaphthene | 74 |
| Fluorene | 76 |
| Phenanthrene | 77 |
| Anthracene | 78 |
| Fluoranthene | 78 |
| Pyrene | 77 |
| Chrysene | 81 |
| Benzo(a)anthracene | 80 |
| Benzo(b)fluoranthene | 110 |
| Benzo(k)fluoranthene | 112 |
| Benzo(a)pyrene | 112 |
| Indeno(1,2,3-c,d)pyrene | 96 |
| Dibenz(a,h)anthracene | 122 |
| Benzo(g,h,i)perylene | 118 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 75 | 70-130 |
| Pyrene-d10 | 78 | 70-130 |
| Benzo(a)pyrene-d12 | 124 | 70-130 |
| Fluoranthene-d10 | 82 | 70-130 |

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**Client Sample ID: CCV**

**Lab ID#: 2201590-08B**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12020129** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/1/22 10:28 PM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 92 |
| 2-Methylnaphthalene | 90 |
| 2-Chloronaphthalene | 98 |
| Acenaphthylene | 95 |
| Acenaphthene | 92 |
| Fluorene | 92 |
| Phenanthrene | 94 |
| Anthracene | 94 |
| Fluoranthene | 88 |
| Pyrene | 103 |
| Chrysene | 89 |
| Benzo(a)anthracene | 90 |
| Benzo(b)fluoranthene | 89 |
| Benzo(k)fluoranthene | 96 |
| Benzo(a)pyrene | 92 |
| Indeno(1,2,3-c,d)pyrene | 88 |
| Dibenz(a,h)anthracene | 96 |
| Benzo(g,h,i)perylene | 81 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 90 | 70-130 |
| Pyrene-d10 | 107 | 70-130 |
| Benzo(a)pyrene-d12 | 98 | 70-130 |
| Fluoranthene-d10 | 91 | 70-130 |

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**Client Sample ID: CCV**

**Lab ID#: 2201590-08C**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12020104** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/1/22 10:09 AM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 95 |
| 2-Methylnaphthalene | 94 |
| 2-Chloronaphthalene | 103 |
| Acenaphthylene | 99 |
| Acenaphthene | 99 |
| Fluorene | 98 |
| Phenanthrene | 96 |
| Anthracene | 100 |
| Fluoranthene | 96 |
| Pyrene | 100 |
| Chrysene | 95 |
| Benzo(a)anthracene | 94 |
| Benzo(b)fluoranthene | 100 |
| Benzo(k)fluoranthene | 95 |
| Benzo(a)pyrene | 96 |
| Indeno(1,2,3-c,d)pyrene | 93 |
| Dibenz(a,h)anthracene | 97 |
| Benzo(g,h,i)perylene | 94 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 98 | 70-130 |
| Pyrene-d10 | 103 | 70-130 |
| Benzo(a)pyrene-d12 | 102 | 70-130 |
| Fluoranthene-d10 | 99 | 70-130 |

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**Client Sample ID: LCS**

**Lab ID#: 2201590-09A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12013105** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/31/22 12:44 PM** | |
| | | **Date of Extraction: 1/31/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 62 | 60-120 |
| 2-Methylnaphthalene | 67 | 60-120 |
| 2-Chloronaphthalene | 66 | 60-120 |
| Acenaphthylene | 62 | 60-120 |
| Acenaphthene | 63 | 60-120 |
| Fluorene | 59 Q | 60-120 |
| Phenanthrene | 65 | 60-120 |
| Anthracene | 57 Q | 60-120 |
| Fluoranthene | 68 | 60-120 |
| Pyrene | 73 | 60-120 |
| Chrysene | 72 | 60-120 |
| Benzo(a)anthracene | 72 | 60-120 |
| Benzo(b)fluoranthene | 100 | 60-120 |
| Benzo(k)fluoranthene | 91 | 60-120 |
| Benzo(a)pyrene | 98 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 79 | 60-120 |
| Dibenz(a,h)anthracene | 104 | 60-120 |
| Benzo(g,h,i)perylene | 102 | 60-120 |

Q = Exceeds Quality Control limits.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 60 | 60-120 |
| Pyrene-d10 | 76 | 60-120 |
| Benzo(a)pyrene-d12 | 120 | 50-150 |
| Fluoranthene-d10 | 69 | 50-150 |

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**Client Sample ID: LCSD**

**Lab ID#: 2201590-09AA**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12013106** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 1/31/22 01:14 PM** | |
| | | **Date of Extraction: 1/31/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 70 | 60-120 |
| 2-Methylnaphthalene | 75 | 60-120 |
| 2-Chloronaphthalene | 73 | 60-120 |
| Acenaphthylene | 71 | 60-120 |
| Acenaphthene | 70 | 60-120 |
| Fluorene | 71 | 60-120 |
| Phenanthrene | 72 | 60-120 |
| Anthracene | 64 | 60-120 |
| Fluoranthene | 77 | 60-120 |
| Pyrene | 78 | 60-120 |
| Chrysene | 81 | 60-120 |
| Benzo(a)anthracene | 82 | 60-120 |
| Benzo(b)fluoranthene | 92 | 60-120 |
| Benzo(k)fluoranthene | 86 | 60-120 |
| Benzo(a)pyrene | 110 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 100 | 60-120 |
| Dibenz(a,h)anthracene | 118 | 60-120 |
| Benzo(g,h,i)perylene | 116 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 74 | 60-120 |
| Pyrene-d10 | 81 | 60-120 |
| Benzo(a)pyrene-d12 | 128 | 50-150 |
| Fluoranthene-d10 | 79 | 50-150 |

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2/9/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th St.
Project #: 0529307
Workorder #: 2202010

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 2/1/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-13A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

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# WORK ORDER #: 2202010

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 012633-1107 |
| **FAX:** | | **PROJECT #** | 0529307 Champaign 5th St. |
| **DATE RECEIVED:** | 02/01/2022 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 02/09/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20220126-28-SE-SAM1 | Modified TO-13A |
| 02A | 20220126-28-NE-SAM2 | Modified TO-13A |
| 03A | 20220126-28-SE-SAM3 | Modified TO-13A |
| 04A | 20220126-28-NW-SAM4 | Modified TO-13A |
| 05A | 20220126-28-SW-SAM5 | Modified TO-13A |
| 06A | 20220126-28-SAM6 | Modified TO-13A |
| 07A | Lab Blank | Modified TO-13A |
| 08A | CCV | Modified TO-13A |
| 09A | LCS | Modified TO-13A |
| 09AA | LCSD | Modified TO-13A |

CERTIFIED BY: DATE: 02/09/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**Modified TO-13A**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2202010**

Six PUF/XAD Cartridge-Low Volume samples were received on February 01, 2022. The laboratory performed the analysis for polycyclic aromatic hydrocarbons in air by modified EPA Method TO-13A. The PUF/XAD samples were extracted using Pressurized Fluid Extraction (PFE) by EPA Method 3545A. The sample extract was then concentrated to 1.0 mL and analyzed by GC/MS in the full scan mode.

To meet the quality control objectives outlined in Method TO-13A, a field blank is required for each sampling episode. If field blanks are not provided to the laboratory, any attendant risk to data quality is the responsibility of the data user.

The frequency of matrix spikes are determined by the different monitoring programs. Matrix spikes are not included in the routine calibration specifications for TO-13A.

| ***Requirement*** | ***TO-13A*** | ***ATL Modifications*** |
|---|---|---|
| Initial Calibration | Calibration range: 0.1-2.5 ug/mL in Hexane | Calibration range: 1.0-500 ug/mL in Methylene chloride |
| Method Blank | <MDL | <Reporting limit |
| Surrogate Recoveries | 60-120% | 50-150% for Field Surrogates<br>Fluoranthene-d10 and Benzo(a)pyrene-d12 |

## Receiving Notes

There were no receiving discrepancies.

## Analytical Notes

The sample cartridges were pre-spiked with Fluoranthene-d10 and Benzo(a)Pyrene-d12 on 01/24/2022.

## Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
E - Exceeds instrument calibration range.
Q - Exceeds quality control limits.
S - Saturated peak.
J - Estimated value.
B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

**Client Sample ID: 20220126-28-SE-SAM1**

**Lab ID#: 2202010-01A**

No Detections Were Found.

**Client Sample ID: 20220126-28-NE-SAM2**

**Lab ID#: 2202010-02A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 1.0 |

**Client Sample ID: 20220126-28-SE-SAM3**

**Lab ID#: 2202010-03A**

No Detections Were Found.

**Client Sample ID: 20220126-28-NW-SAM4**

**Lab ID#: 2202010-04A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 1.3 |

**Client Sample ID: 20220126-28-SW-SAM5**

**Lab ID#: 2202010-05A**

No Detections Were Found.

**Client Sample ID: 20220126-28-SAM6**

**Lab ID#: 2202010-06A**

No Detections Were Found.

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**Client Sample ID: 20220126-28-SE-SAM1**

**Lab ID#: 2202010-01A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12020220** | **Date of Collection: 1/28/22 8:03:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/2/22 08:23 PM** |
| | | **Date of Extraction: 2/2/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 76 | 60-120 |
| Pyrene-d10 | 83 | 60-120 |
| Benzo(a)pyrene-d12 | 74 | 50-150 |
| Fluoranthene-d10 | 74 | 50-150 |

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**Client Sample ID: 20220126-28-NE-SAM2**

**Lab ID#: 2202010-02A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12020221** | **Date of Collection: 1/28/22 7:50:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/2/22 08:53 PM** |
| | | **Date of Extraction: 2/2/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 1.0 |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 88 | 60-120 |
| Pyrene-d10 | 95 | 60-120 |
| Benzo(a)pyrene-d12 | 87 | 50-150 |
| Fluoranthene-d10 | 88 | 50-150 |

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**Client Sample ID: 20220126-28-SE-SAM3**

**Lab ID#: 2202010-03A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12020222** | **Date of Collection: 1/28/22 7:56:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/2/22 09:22 PM** |
| | | **Date of Extraction: 2/2/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 78 | 60-120 |
| Pyrene-d10 | 76 | 60-120 |
| Benzo(a)pyrene-d12 | 75 | 50-150 |
| Fluoranthene-d10 | 74 | 50-150 |

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**Client Sample ID: 20220126-28-NW-SAM4**

**Lab ID#: 2202010-04A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12020223** | **Date of Collection: 1/28/22 8:22:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/2/22 09:52 PM** |
| | | **Date of Extraction: 2/2/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 1.3 |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 88 | 60-120 |
| Pyrene-d10 | 105 | 60-120 |
| Benzo(a)pyrene-d12 | 82 | 50-150 |
| Fluoranthene-d10 | 86 | 50-150 |

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**Client Sample ID: 20220126-28-SW-SAM5**

**Lab ID#: 2202010-05A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12020224** | **Date of Collection: 1/28/22 8:10:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/2/22 10:22 PM** |
| | | **Date of Extraction: 2/2/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 85 | 60-120 |
| Pyrene-d10 | 99 | 60-120 |
| Benzo(a)pyrene-d12 | 82 | 50-150 |
| Fluoranthene-d10 | 80 | 50-150 |

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**Client Sample ID: 20220126-28-SAM6**

**Lab ID#: 2202010-06A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12020225** | **Date of Collection: 1/28/22 9:50:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/2/22 10:52 PM** |
| | | **Date of Extraction: 2/2/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 84 | 60-120 |
| Pyrene-d10 | 93 | 60-120 |
| Benzo(a)pyrene-d12 | 80 | 50-150 |
| Fluoranthene-d10 | 74 | 50-150 |

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**Client Sample ID: Lab Blank**

**Lab ID#: 2202010-07A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12020206** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/2/22 01:23 PM** | |
| | | **Date of Extraction: 2/2/22** | |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 85 | 60-120 |
| Pyrene-d10 | 85 | 60-120 |
| Benzo(a)pyrene-d12 | 91 | 50-150 |
| Fluoranthene-d10 | 86 | 50-150 |

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**Client Sample ID: CCV**

**Lab ID#: 2202010-08A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12020203** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/2/22 11:53 AM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 89 |
| 2-Methylnaphthalene | 88 |
| 2-Chloronaphthalene | 97 |
| Acenaphthylene | 93 |
| Acenaphthene | 90 |
| Fluorene | 90 |
| Phenanthrene | 90 |
| Anthracene | 91 |
| Fluoranthene | 90 |
| Pyrene | 98 |
| Chrysene | 92 |
| Benzo(a)anthracene | 89 |
| Benzo(b)fluoranthene | 84 |
| Benzo(k)fluoranthene | 94 |
| Benzo(a)pyrene | 89 |
| Indeno(1,2,3-c,d)pyrene | 93 |
| Dibenz(a,h)anthracene | 93 |
| Benzo(g,h,i)perylene | 92 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 90 | 70-130 |
| Pyrene-d10 | 99 | 70-130 |
| Benzo(a)pyrene-d12 | 95 | 70-130 |
| Fluoranthene-d10 | 90 | 70-130 |

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**Client Sample ID: LCS**

**Lab ID#: 2202010-09A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12020204** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/2/22 12:23 PM** | |
| | | **Date of Extraction: 2/2/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 80 | 60-120 |
| 2-Methylnaphthalene | 85 | 60-120 |
| 2-Chloronaphthalene | 90 | 60-120 |
| Acenaphthylene | 85 | 60-120 |
| Acenaphthene | 85 | 60-120 |
| Fluorene | 85 | 60-120 |
| Phenanthrene | 83 | 60-120 |
| Anthracene | 68 | 60-120 |
| Fluoranthene | 93 | 60-120 |
| Pyrene | 100 | 60-120 |
| Chrysene | 86 | 60-120 |
| Benzo(a)anthracene | 86 | 60-120 |
| Benzo(b)fluoranthene | 83 | 60-120 |
| Benzo(k)fluoranthene | 87 | 60-120 |
| Benzo(a)pyrene | 83 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 102 | 60-120 |
| Dibenz(a,h)anthracene | 90 | 60-120 |
| Benzo(g,h,i)perylene | 78 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 87 | 60-120 |
| Pyrene-d10 | 104 | 60-120 |
| Benzo(a)pyrene-d12 | 93 | 50-150 |
| Fluoranthene-d10 | 90 | 50-150 |

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**Client Sample ID: LCSD**

**Lab ID#: 2202010-09AA**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12020205** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/2/22 12:53 PM** | |
| | | **Date of Extraction: 2/2/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 74 | 60-120 |
| 2-Methylnaphthalene | 83 | 60-120 |
| 2-Chloronaphthalene | 87 | 60-120 |
| Acenaphthylene | 82 | 60-120 |
| Acenaphthene | 82 | 60-120 |
| Fluorene | 86 | 60-120 |
| Phenanthrene | 86 | 60-120 |
| Anthracene | 67 | 60-120 |
| Fluoranthene | 87 | 60-120 |
| Pyrene | 89 | 60-120 |
| Chrysene | 90 | 60-120 |
| Benzo(a)anthracene | 85 | 60-120 |
| Benzo(b)fluoranthene | 82 | 60-120 |
| Benzo(k)fluoranthene | 83 | 60-120 |
| Benzo(a)pyrene | 82 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 102 | 60-120 |
| Dibenz(a,h)anthracene | 92 | 60-120 |
| Benzo(g,h,i)perylene | 94 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 88 | 60-120 |
| Pyrene-d10 | 92 | 60-120 |
| Benzo(a)pyrene-d12 | 94 | 50-150 |
| Fluoranthene-d10 | 86 | 50-150 |

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2/22/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th St.
Project #: 0529307
Workorder #: 2202158

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 2/9/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-13A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Kathleen Kaneko

Project Manager

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# WORK ORDER #: 2202158

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 012633-1107 |
| **FAX:** | | **PROJECT #** | 0529307 Champaign 5th St. |
| **DATE RECEIVED:** | 02/09/2022 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 02/22/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20220131-0202-SE-SAM1 | Modified TO-13A |
| 02A | 20220131-0202-NE-SAM2 | Modified TO-13A |
| 03A | 20220131-0202-SE-SAM3 | Modified TO-13A |
| 04A | 20220131-0202-NW-SAM4 | Modified TO-13A |
| 05A | 20220131-0202-SW-SAM5 | Modified TO-13A |
| 06A | 20220131-0202-SAM6 | Modified TO-13A |
| 07A | Lab Blank | Modified TO-13A |
| 08A | CCV | Modified TO-13A |
| 09A | LCS | Modified TO-13A |
| 09AA | LCSD | Modified TO-13A |

CERTIFIED BY: Heidi Hayes DATE: 02/22/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**Modified TO-13A**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2202158**

Six PUF/XAD Cartridge-Low Volume samples were received on February 09, 2022. The laboratory performed the analysis for polycyclic aromatic hydrocarbons in air by modified EPA Method TO-13A. The PUF/XAD samples were extracted using Pressurized Fluid Extraction (PFE) by EPA Method 3545A. The sample extract was then concentrated to 1.0 mL and analyzed by GC/MS in the full scan mode.

To meet the quality control objectives outlined in Method TO-13A, a field blank is required for each sampling episode. If field blanks are not provided to the laboratory, any attendant risk to data quality is the responsibility of the data user.

The frequency of matrix spikes are determined by the different monitoring programs. Matrix spikes are not included in the routine calibration specifications for TO-13A.

| ***Requirement*** | ***TO-13A*** | ***ATL Modifications*** |
|---|---|---|
| Initial Calibration | Calibration range: 0.1-2.5 ug/mL in Hexane | Calibration range: 1.0-500 ug/mL in Methylene chloride |
| Method Blank | <MDL | <Reporting limit |
| Surrogate Recoveries | 60-120% | 50-150% for Field Surrogates<br>Fluoranthene-d10 and Benzo(a)pyrene-d12 |

## Receiving Notes

There were no receiving discrepancies.

## Analytical Notes

The sample cartridges were pre-spiked with Fluoranthene-d10 and Benzo(a)Pyrene-d12 on 01/24/2022

## Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
E - Exceeds instrument calibration range.
Q - Exceeds quality control limits.
S - Saturated peak.
J - Estimated value.
B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

**Client Sample ID: 20220131-0202-SE-SAM1**

**Lab ID#: 2202158-01A**

No Detections Were Found.

**Client Sample ID: 20220131-0202-NE-SAM2**

**Lab ID#: 2202158-02A**

No Detections Were Found.

**Client Sample ID: 20220131-0202-SE-SAM3**

**Lab ID#: 2202158-03A**

No Detections Were Found.

**Client Sample ID: 20220131-0202-NW-SAM4**

**Lab ID#: 2202158-04A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 2.2 |

**Client Sample ID: 20220131-0202-SW-SAM5**

**Lab ID#: 2202158-05A**

No Detections Were Found.

**Client Sample ID: 20220131-0202-SAM6**

**Lab ID#: 2202158-06A**

No Detections Were Found.

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**Client Sample ID: 20220131-0202-SE-SAM1**

**Lab ID#: 2202158-01A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12021010** | **Date of Collection: 2/2/22 8:47:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/10/22 10:44 AM** |
| | | **Date of Extraction: 2/9/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 74 | 60-120 |
| Pyrene-d10 | 95 | 60-120 |
| Benzo(a)pyrene-d12 | 59 | 50-150 |
| Fluoranthene-d10 | 69 | 50-150 |

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**Client Sample ID: 20220131-0202-NE-SAM2**

**Lab ID#: 2202158-02A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12021011** | **Date of Collection: 2/2/22 8:13:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/10/22 11:15 AM** |
| | | **Date of Extraction: 2/9/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 82 | 60-120 |
| Pyrene-d10 | 102 | 60-120 |
| Benzo(a)pyrene-d12 | 68 | 50-150 |
| Fluoranthene-d10 | 74 | 50-150 |

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**Client Sample ID: 20220131-0202-SE-SAM3**

**Lab ID#: 2202158-03A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12021012** | **Date of Collection: 2/2/22 8:34:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/10/22 11:45 AM** |
| | | **Date of Extraction: 2/9/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 88 | 60-120 |
| Pyrene-d10 | 107 | 60-120 |
| Benzo(a)pyrene-d12 | 70 | 50-150 |
| Fluoranthene-d10 | 75 | 50-150 |

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**Client Sample ID: 20220131-0202-NW-SAM4**

**Lab ID#: 2202158-04A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12021013** | **Date of Collection: 2/2/22 8:54:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/10/22 12:15 PM** |
| | | **Date of Extraction: 2/9/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 2.2 |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 82 | 60-120 |
| Pyrene-d10 | 92 | 60-120 |
| Benzo(a)pyrene-d12 | 76 | 50-150 |
| Fluoranthene-d10 | 78 | 50-150 |

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**Client Sample ID: 20220131-0202-SW-SAM5**

**Lab ID#: 2202158-05A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12021014** | **Date of Collection: 2/2/22 8:49:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/10/22 12:45 PM** |
| | | **Date of Extraction: 2/9/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 86 | 60-120 |
| Pyrene-d10 | 100 | 60-120 |
| Benzo(a)pyrene-d12 | 68 | 50-150 |
| Fluoranthene-d10 | 75 | 50-150 |

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**Client Sample ID: 20220131-0202-SAM6**

**Lab ID#: 2202158-06A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12021015** | **Date of Collection: 2/2/22 8:30:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/10/22 01:15 PM** |
| | | **Date of Extraction: 2/9/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 76 | 60-120 |
| Pyrene-d10 | 94 | 60-120 |
| Benzo(a)pyrene-d12 | 59 | 50-150 |
| Fluoranthene-d10 | 70 | 50-150 |

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**Client Sample ID: Lab Blank**

**Lab ID#: 2202158-07A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12021006** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/10/22 08:44 AM** | |
| | | **Date of Extraction: 2/9/22** | |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 91 | 60-120 |
| Pyrene-d10 | 103 | 60-120 |
| Benzo(a)pyrene-d12 | 98 | 50-150 |
| Fluoranthene-d10 | 86 | 50-150 |

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**Client Sample ID: CCV**

**Lab ID#: 2202158-08A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12021003** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/10/22 07:15 AM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 86 |
| 2-Methylnaphthalene | 86 |
| 2-Chloronaphthalene | 94 |
| Acenaphthylene | 88 |
| Acenaphthene | 87 |
| Fluorene | 89 |
| Phenanthrene | 91 |
| Anthracene | 96 |
| Fluoranthene | 88 |
| Pyrene | 106 |
| Chrysene | 90 |
| Benzo(a)anthracene | 86 |
| Benzo(b)fluoranthene | 93 |
| Benzo(k)fluoranthene | 100 |
| Benzo(a)pyrene | 88 |
| Indeno(1,2,3-c,d)pyrene | 71 |
| Dibenz(a,h)anthracene | 80 |
| Benzo(g,h,i)perylene | 84 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 92 | 70-130 |
| Pyrene-d10 | 107 | 70-130 |
| Benzo(a)pyrene-d12 | 91 | 70-130 |
| Fluoranthene-d10 | 91 | 70-130 |

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**Client Sample ID: LCS**

**Lab ID#: 2202158-09A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12021004** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/10/22 07:44 AM** | |
| | | **Date of Extraction: 2/9/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 75 | 60-120 |
| 2-Methylnaphthalene | 79 | 60-120 |
| 2-Chloronaphthalene | 83 | 60-120 |
| Acenaphthylene | 78 | 60-120 |
| Acenaphthene | 79 | 60-120 |
| Fluorene | 79 | 60-120 |
| Phenanthrene | 83 | 60-120 |
| Anthracene | 85 | 60-120 |
| Fluoranthene | 82 | 60-120 |
| Pyrene | 92 | 60-120 |
| Chrysene | 84 | 60-120 |
| Benzo(a)anthracene | 80 | 60-120 |
| Benzo(b)fluoranthene | 78 | 60-120 |
| Benzo(k)fluoranthene | 78 | 60-120 |
| Benzo(a)pyrene | 78 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 80 | 60-120 |
| Dibenz(a,h)anthracene | 86 | 60-120 |
| Benzo(g,h,i)perylene | 87 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 84 | 60-120 |
| Pyrene-d10 | 100 | 60-120 |
| Benzo(a)pyrene-d12 | 93 | 50-150 |
| Fluoranthene-d10 | 83 | 50-150 |

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**Client Sample ID: LCSD**

**Lab ID#: 2202158-09AA**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12021005** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/10/22 08:14 AM** | |
| | | **Date of Extraction: 2/9/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 72 | 60-120 |
| 2-Methylnaphthalene | 78 | 60-120 |
| 2-Chloronaphthalene | 82 | 60-120 |
| Acenaphthylene | 78 | 60-120 |
| Acenaphthene | 78 | 60-120 |
| Fluorene | 79 | 60-120 |
| Phenanthrene | 86 | 60-120 |
| Anthracene | 87 | 60-120 |
| Fluoranthene | 82 | 60-120 |
| Pyrene | 96 | 60-120 |
| Chrysene | 86 | 60-120 |
| Benzo(a)anthracene | 84 | 60-120 |
| Benzo(b)fluoranthene | 81 | 60-120 |
| Benzo(k)fluoranthene | 82 | 60-120 |
| Benzo(a)pyrene | 81 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 83 | 60-120 |
| Dibenz(a,h)anthracene | 89 | 60-120 |
| Benzo(g,h,i)perylene | 91 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 85 | 60-120 |
| Pyrene-d10 | 104 | 60-120 |
| Benzo(a)pyrene-d12 | 97 | 50-150 |
| Fluoranthene-d10 | 83 | 50-150 |

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2/22/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th St.
Project #: 0529307
Workorder #: 2202163

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 2/9/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-13A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

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# WORK ORDER #: 2202163

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 012633-1107 |
| **FAX:** | | **PROJECT #** | 0529307 Champaign 5th St. |
| **DATE RECEIVED:** | 02/09/2022 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 02/22/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20220202-03-SE-SAM1 | Modified TO-13A |
| 02A | 20220202-03-NE-SAM2 | Modified TO-13A |
| 03A | 20220202-03-SE-SAM3 | Modified TO-13A |
| 04A | 20220202-03-NW-SAM4 | Modified TO-13A |
| 05A | 20220202-03-SW-SAM5 | Modified TO-13A |
| 06A | 20220202-03-SAM6 | Modified TO-13A |
| 07A | Lab Blank | Modified TO-13A |
| 08A | CCV | Modified TO-13A |
| 09A | LCS | Modified TO-13A |
| 09AA | LCSD | Modified TO-13A |

CERTIFIED BY: Heidi Hayes DATE: 02/22/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**Modified TO-13A**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2202163**

Six PUF/XAD Cartridge-Low Volume samples were received on February 09, 2022. The laboratory performed the analysis for polycyclic aromatic hydrocarbons in air by modified EPA Method TO-13A. The PUF/XAD samples were extracted using Pressurized Fluid Extraction (PFE) by EPA Method 3545A. The sample extract was then concentrated to 1.0 mL and analyzed by GC/MS in the full scan mode.

To meet the quality control objectives outlined in Method TO-13A, a field blank is required for each sampling episode. If field blanks are not provided to the laboratory, any attendant risk to data quality is the responsibility of the data user.

The frequency of matrix spikes are determined by the different monitoring programs. Matrix spikes are not included in the routine calibration specifications for TO-13A.

| ***Requirement*** | ***TO-13A*** | ***ATL Modifications*** |
|---|---|---|
| Initial Calibration | Calibration range: 0.1-2.5 ug/mL in Hexane | Calibration range: 1.0-500 ug/mL in Methylene chloride |
| Method Blank | <MDL | <Reporting limit |
| Surrogate Recoveries | 60-120% | 50-150% for Field Surrogates<br>Fluoranthene-d10 and Benzo(a)pyrene-d12 |

## Receiving Notes

The Chain of Custody (COC) information for samples 20220202-03-SE-SAM1, 20220202-03-NE-SAM2, 20220202-03-SE-SAM3, 20220202-03-NW-SAM4, 20220202-03-SW-SAM5 and 20220202-03-SAM6 did not match the entries on the sample tags with regard to sample identification. Therefore the information on the sample tags was used to process and report the samples.

## Analytical Notes

The sample cartridges were pre-spiked with Fluoranthene-d10 and Benzo(a)Pyrene-d12 on 01/31/2022

Recovery of surrogate Pyrene-d10 was above specified control limits in sample 20220202-03-SE-SAM1. Data is reported as qualified.

The Relative Percent Difference (RPD) of the LCS/LCSD exceeded acceptance limits for Indeno(1,2,3-c,d)pyrene.

## Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
E - Exceeds instrument calibration range.

Q - Exceeds quality control limits.
S - Saturated peak.
J - Estimated value.
B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

**Client Sample ID: 20220202-03-SE-SAM1**

**Lab ID#: 2202163-01A**

No Detections Were Found.

**Client Sample ID: 20220202-03-NE-SAM2**

**Lab ID#: 2202163-02A**

No Detections Were Found.

**Client Sample ID: 20220202-03-SE-SAM3**

**Lab ID#: 2202163-03A**

No Detections Were Found.

**Client Sample ID: 20220202-03-NW-SAM4**

**Lab ID#: 2202163-04A**

No Detections Were Found.

**Client Sample ID: 20220202-03-SW-SAM5**

**Lab ID#: 2202163-05A**

No Detections Were Found.

**Client Sample ID: 20220202-03-SAM6**

**Lab ID#: 2202163-06A**

No Detections Were Found.

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**Client Sample ID: 20220202-03-SE-SAM1**

**Lab ID#: 2202163-01A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12021038** | **Date of Collection: 2/3/22 5:09:00 PM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/11/22 12:34 AM** |
| | | **Date of Extraction: 2/10/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

Q = Exceeds Quality Control limits.

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 79 | 60-120 |
| Pyrene-d10 | 131 Q | 60-120 |
| Benzo(a)pyrene-d12 | 58 | 50-150 |
| Fluoranthene-d10 | 76 | 50-150 |

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**Client Sample ID: 20220202-03-NE-SAM2**

**Lab ID#: 2202163-02A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12021039** | **Date of Collection: 2/3/22 5:20:00 PM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/11/22 01:04 AM** |
| | | **Date of Extraction: 2/10/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 81 | 60-120 |
| Pyrene-d10 | 116 | 60-120 |
| Benzo(a)pyrene-d12 | 62 | 50-150 |
| Fluoranthene-d10 | 74 | 50-150 |

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**Client Sample ID: 20220202-03-SE-SAM3**

**Lab ID#: 2202163-03A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12021040** | **Date of Collection: 2/3/22 5:03:00 PM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/11/22 01:34 AM** |
| | | **Date of Extraction: 2/10/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 78 | 60-120 |
| Pyrene-d10 | 115 | 60-120 |
| Benzo(a)pyrene-d12 | 65 | 50-150 |
| Fluoranthene-d10 | 76 | 50-150 |

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**Client Sample ID: 20220202-03-NW-SAM4**

**Lab ID#: 2202163-04A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12021041** | **Date of Collection: 2/3/22 5:15:00 PM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/11/22 02:04 AM** |
| | | **Date of Extraction: 2/10/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 86 | 60-120 |
| Pyrene-d10 | 119 | 60-120 |
| Benzo(a)pyrene-d12 | 66 | 50-150 |
| Fluoranthene-d10 | 79 | 50-150 |

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**Client Sample ID: 20220202-03-SW-SAM5**

**Lab ID#: 2202163-05A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12021042** | **Date of Collection: 2/3/22 5:10:00 PM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/11/22 02:34 AM** |
| | | **Date of Extraction: 2/10/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 78 | 60-120 |
| Pyrene-d10 | 111 | 60-120 |
| Benzo(a)pyrene-d12 | 65 | 50-150 |
| Fluoranthene-d10 | 69 | 50-150 |

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**Client Sample ID: 20220202-03-SAM6**

**Lab ID#: 2202163-06A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12021043** | **Date of Collection: 2/3/22 5:25:00 PM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/11/22 03:04 AM** |
| | | **Date of Extraction: 2/10/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 77 | 60-120 |
| Pyrene-d10 | 107 | 60-120 |
| Benzo(a)pyrene-d12 | 70 | 50-150 |
| Fluoranthene-d10 | 64 | 50-150 |

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**Client Sample ID: Lab Blank**

**Lab ID#: 2202163-07A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12021025** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/10/22 06:05 PM** | |
| | | **Date of Extraction: 2/10/22** | |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 76 | 60-120 |
| Pyrene-d10 | 102 | 60-120 |
| Benzo(a)pyrene-d12 | 85 | 50-150 |
| Fluoranthene-d10 | 77 | 50-150 |

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**Client Sample ID: CCV**

**Lab ID#: 2202163-08A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12021022** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/10/22 04:34 PM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 94 |
| 2-Methylnaphthalene | 92 |
| 2-Chloronaphthalene | 106 |
| Acenaphthylene | 96 |
| Acenaphthene | 96 |
| Fluorene | 101 |
| Phenanthrene | 98 |
| Anthracene | 107 |
| Fluoranthene | 100 |
| Pyrene | 104 |
| Chrysene | 96 |
| Benzo(a)anthracene | 91 |
| Benzo(b)fluoranthene | 91 |
| Benzo(k)fluoranthene | 97 |
| Benzo(a)pyrene | 92 |
| Indeno(1,2,3-c,d)pyrene | 91 |
| Dibenz(a,h)anthracene | 97 |
| Benzo(g,h,i)perylene | 97 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 95 | 70-130 |
| Pyrene-d10 | 106 | 70-130 |
| Benzo(a)pyrene-d12 | 99 | 70-130 |
| Fluoranthene-d10 | 100 | 70-130 |

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**Client Sample ID: LCS**

**Lab ID#: 2202163-09A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12021023** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/10/22 05:05 PM** | |
| | | **Date of Extraction: 2/10/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 72 | 60-120 |
| 2-Methylnaphthalene | 76 | 60-120 |
| 2-Chloronaphthalene | 91 | 60-120 |
| Acenaphthylene | 86 | 60-120 |
| Acenaphthene | 80 | 60-120 |
| Fluorene | 92 | 60-120 |
| Phenanthrene | 81 | 60-120 |
| Anthracene | 81 | 60-120 |
| Fluoranthene | 82 | 60-120 |
| Pyrene | 90 | 60-120 |
| Chrysene | 83 | 60-120 |
| Benzo(a)anthracene | 81 | 60-120 |
| Benzo(b)fluoranthene | 100 | 60-120 |
| Benzo(k)fluoranthene | 100 | 60-120 |
| Benzo(a)pyrene | 76 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 60 | 60-120 |
| Dibenz(a,h)anthracene | 83 | 60-120 |
| Benzo(g,h,i)perylene | 85 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 97 | 60-120 |
| Pyrene-d10 | 98 | 60-120 |
| Benzo(a)pyrene-d12 | 92 | 50-150 |
| Fluoranthene-d10 | 84 | 50-150 |

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**Client Sample ID: LCSD**

**Lab ID#: 2202163-09AA**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12021024** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/10/22 05:35 PM** | |
| | | **Date of Extraction: 2/10/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 71 | 60-120 |
| 2-Methylnaphthalene | 70 | 60-120 |
| 2-Chloronaphthalene | 84 | 60-120 |
| Acenaphthylene | 82 | 60-120 |
| Acenaphthene | 74 | 60-120 |
| Fluorene | 84 | 60-120 |
| Phenanthrene | 86 | 60-120 |
| Anthracene | 86 | 60-120 |
| Fluoranthene | 90 | 60-120 |
| Pyrene | 100 | 60-120 |
| Chrysene | 83 | 60-120 |
| Benzo(a)anthracene | 81 | 60-120 |
| Benzo(b)fluoranthene | 79 | 60-120 |
| Benzo(k)fluoranthene | 81 | 60-120 |
| Benzo(a)pyrene | 81 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 81 | 60-120 |
| Dibenz(a,h)anthracene | 90 | 60-120 |
| Benzo(g,h,i)perylene | 92 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 88 | 60-120 |
| Pyrene-d10 | 108 | 60-120 |
| Benzo(a)pyrene-d12 | 92 | 50-150 |
| Fluoranthene-d10 | 91 | 50-150 |

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2/22/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th St.
Project #: 0529307
Workorder #: 2202190

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 2/10/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-13A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

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# WORK ORDER #: 2202190

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 012633-1107 |
| **FAX:** | | **PROJECT #** | 0529307 Champaign 5th St. |
| **DATE RECEIVED:** | 02/10/2022 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 02/22/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20220207-09-SE-SAM1 | Modified TO-13A |
| 02A | 20220207-09-NE-SAM2 | Modified TO-13A |
| 03A | 20220207-09-SE-SAM3 | Modified TO-13A |
| 04A | 20220207-09-NW-SAM4 | Modified TO-13A |
| 05A | 20220207-09-SW-SAM5 | Modified TO-13A |
| 06A | 20220207-09-SAM6 | Modified TO-13A |
| 07A | Lab Blank | Modified TO-13A |
| 08A | CCV | Modified TO-13A |
| 09A | LCS | Modified TO-13A |
| 09AA | LCSD | Modified TO-13A |

CERTIFIED BY: DATE: 02/22/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

*This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.*

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**Modified TO-13A**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2202190**

Six PUF/XAD Cartridge-Low Volume samples were received on February 10, 2022. The laboratory performed the analysis for polycyclic aromatic hydrocarbons in air by modified EPA Method TO-13A. The PUF/XAD samples were extracted using Pressurized Fluid Extraction (PFE) by EPA Method 3545A. The sample extract was then concentrated to 1.0 mL and analyzed by GC/MS in the full scan mode.

To meet the quality control objectives outlined in Method TO-13A, a field blank is required for each sampling episode. If field blanks are not provided to the laboratory, any attendant risk to data quality is the responsibility of the data user.

The frequency of matrix spikes are determined by the different monitoring programs. Matrix spikes are not included in the routine calibration specifications for TO-13A.

| ***Requirement*** | ***TO-13A*** | ***ATL Modifications*** |
|---|---|---|
| Initial Calibration | Calibration range: 0.1-2.5 ug/mL in Hexane | Calibration range: 1.0-500 ug/mL in Methylene chloride |
| Method Blank | <MDL | <Reporting limit |
| Surrogate Recoveries | 60-120% | 50-150% for Field Surrogates<br>Fluoranthene-d10 and Benzo(a)pyrene-d12 |

## Receiving Notes

There were no receiving discrepancies.

## Analytical Notes

The sample cartridges were pre-spiked with Fluoranthene-d10 and Benzo(a)Pyrene-d12 on 01/31/2022

## Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
E - Exceeds instrument calibration range.
Q - Exceeds quality control limits.
S - Saturated peak.
J - Estimated value.
B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

**Client Sample ID: 20220207-09-SE-SAM1**

**Lab ID#: 2202190-01A**

No Detections Were Found.

**Client Sample ID: 20220207-09-NE-SAM2**

**Lab ID#: 2202190-02A**

No Detections Were Found.

**Client Sample ID: 20220207-09-SE-SAM3**

**Lab ID#: 2202190-03A**

No Detections Were Found.

**Client Sample ID: 20220207-09-NW-SAM4**

**Lab ID#: 2202190-04A**

No Detections Were Found.

**Client Sample ID: 20220207-09-SW-SAM5**

**Lab ID#: 2202190-05A**

No Detections Were Found.

**Client Sample ID: 20220207-09-SAM6**

**Lab ID#: 2202190-06A**

No Detections Were Found.

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**Client Sample ID: 20220207-09-SE-SAM1**

**Lab ID#: 2202190-01A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12021728** | **Date of Collection: 2/9/22 7:50:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/17/22 09:25 PM** |
| | | **Date of Extraction: 2/14/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 90 | 60-120 |
| Pyrene-d10 | 96 | 60-120 |
| Benzo(a)pyrene-d12 | 74 | 50-150 |
| Fluoranthene-d10 | 81 | 50-150 |

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**Client Sample ID: 20220207-09-NE-SAM2**

**Lab ID#: 2202190-02A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12021729** | **Date of Collection: 2/9/22 7:58:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/17/22 09:55 PM** |
| | | **Date of Extraction: 2/14/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 91 | 60-120 |
| Pyrene-d10 | 100 | 60-120 |
| Benzo(a)pyrene-d12 | 85 | 50-150 |
| Fluoranthene-d10 | 85 | 50-150 |

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**Client Sample ID: 20220207-09-SE-SAM3**

**Lab ID#: 2202190-03A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12021730** | **Date of Collection: 2/9/22 7:45:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/17/22 10:25 PM** |
| | | **Date of Extraction: 2/14/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 89 | 60-120 |
| Pyrene-d10 | 90 | 60-120 |
| Benzo(a)pyrene-d12 | 80 | 50-150 |
| Fluoranthene-d10 | 89 | 50-150 |

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**Client Sample ID: 20220207-09-NW-SAM4**

**Lab ID#: 2202190-04A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12021731** | **Date of Collection: 2/9/22 8:08:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/17/22 10:55 PM** |
| | | **Date of Extraction: 2/14/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 88 | 60-120 |
| Pyrene-d10 | 88 | 60-120 |
| Benzo(a)pyrene-d12 | 74 | 50-150 |
| Fluoranthene-d10 | 86 | 50-150 |

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**Client Sample ID: 20220207-09-SW-SAM5**

**Lab ID#: 2202190-05A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12021732** | **Date of Collection: 2/9/22 7:59:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/17/22 11:24 PM** |
| | | **Date of Extraction: 2/14/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 83 | 60-120 |
| Pyrene-d10 | 88 | 60-120 |
| Benzo(a)pyrene-d12 | 74 | 50-150 |
| Fluoranthene-d10 | 74 | 50-150 |

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**Client Sample ID: 20220207-09-SAM6**

**Lab ID#: 2202190-06A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12021733** | **Date of Collection: 2/9/22 8:10:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/17/22 11:54 PM** |
| | | **Date of Extraction: 2/14/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 91 | 60-120 |
| Pyrene-d10 | 105 | 60-120 |
| Benzo(a)pyrene-d12 | 102 | 50-150 |
| Fluoranthene-d10 | 88 | 50-150 |

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**Client Sample ID: Lab Blank**

**Lab ID#: 2202190-07A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12021714** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/17/22 02:25 PM** | |
| | | **Date of Extraction: 2/14/22** | |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 92 | 60-120 |
| Pyrene-d10 | 103 | 60-120 |
| Benzo(a)pyrene-d12 | 105 | 50-150 |
| Fluoranthene-d10 | 93 | 50-150 |

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**Client Sample ID: CCV**

**Lab ID#: 2202190-08A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12021711** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/17/22 12:55 PM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 102 |
| 2-Methylnaphthalene | 105 |
| 2-Chloronaphthalene | 104 |
| Acenaphthylene | 107 |
| Acenaphthene | 103 |
| Fluorene | 104 |
| Phenanthrene | 106 |
| Anthracene | 106 |
| Fluoranthene | 112 |
| Pyrene | 112 |
| Chrysene | 103 |
| Benzo(a)anthracene | 105 |
| Benzo(b)fluoranthene | 107 |
| Benzo(k)fluoranthene | 104 |
| Benzo(a)pyrene | 108 |
| Indeno(1,2,3-c,d)pyrene | 112 |
| Dibenz(a,h)anthracene | 107 |
| Benzo(g,h,i)perylene | 106 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 106 | 70-130 |
| Pyrene-d10 | 110 | 70-130 |
| Benzo(a)pyrene-d12 | 107 | 70-130 |
| Fluoranthene-d10 | 110 | 70-130 |

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**Client Sample ID: LCS**

**Lab ID#: 2202190-09A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12021712** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/17/22 01:25 PM** | |
| | | **Date of Extraction: 2/14/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 67 | 60-120 |
| 2-Methylnaphthalene | 78 | 60-120 |
| 2-Chloronaphthalene | 77 | 60-120 |
| Acenaphthylene | 77 | 60-120 |
| Acenaphthene | 74 | 60-120 |
| Fluorene | 78 | 60-120 |
| Phenanthrene | 79 | 60-120 |
| Anthracene | 74 | 60-120 |
| Fluoranthene | 86 | 60-120 |
| Pyrene | 89 | 60-120 |
| Chrysene | 86 | 60-120 |
| Benzo(a)anthracene | 87 | 60-120 |
| Benzo(b)fluoranthene | 89 | 60-120 |
| Benzo(k)fluoranthene | 79 | 60-120 |
| Benzo(a)pyrene | 86 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 92 | 60-120 |
| Dibenz(a,h)anthracene | 90 | 60-120 |
| Benzo(g,h,i)perylene | 91 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 83 | 60-120 |
| Pyrene-d10 | 92 | 60-120 |
| Benzo(a)pyrene-d12 | 94 | 50-150 |
| Fluoranthene-d10 | 83 | 50-150 |

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**Client Sample ID: LCSD**

**Lab ID#: 2202190-09AA**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12021713** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/17/22 01:55 PM** |
| | | **Date of Extraction: 2/14/22** |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 77 | 60-120 |
| 2-Methylnaphthalene | 83 | 60-120 |
| 2-Chloronaphthalene | 82 | 60-120 |
| Acenaphthylene | 80 | 60-120 |
| Acenaphthene | 76 | 60-120 |
| Fluorene | 80 | 60-120 |
| Phenanthrene | 84 | 60-120 |
| Anthracene | 75 | 60-120 |
| Fluoranthene | 86 | 60-120 |
| Pyrene | 86 | 60-120 |
| Chrysene | 85 | 60-120 |
| Benzo(a)anthracene | 86 | 60-120 |
| Benzo(b)fluoranthene | 90 | 60-120 |
| Benzo(k)fluoranthene | 84 | 60-120 |
| Benzo(a)pyrene | 86 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 82 | 60-120 |
| Dibenz(a,h)anthracene | 80 | 60-120 |
| Benzo(g,h,i)perylene | 80 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 83 | 60-120 |
| Pyrene-d10 | 93 | 60-120 |
| Benzo(a)pyrene-d12 | 96 | 50-150 |
| Fluoranthene-d10 | 87 | 50-150 |

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2/25/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th St.
Project #: 0529307
Workorder #: 2202342

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 2/15/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-13A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

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# WORK ORDER #: 2202342

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 012633-1107 |
| **FAX:** | | **PROJECT #** | 0529307 Champaign 5th St. |
| **DATE RECEIVED:** | 02/15/2022 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 02/25/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20220209-11-SE-SAM1 | Modified TO-13A |
| 02A | 20220209-11-NE-SAM2 | Modified TO-13A |
| 03A | 20220209-11-SE-SAM3 | Modified TO-13A |
| 04A | 20220209-11-NW-SAM4 | Modified TO-13A |
| 05A | 20220209-11-SW-SAM5 | Modified TO-13A |
| 06A | 20220209-11-SAM6 | Modified TO-13A |
| 07A | Lab Blank | Modified TO-13A |
| 08A | CCV | Modified TO-13A |
| 09A | LCS | Modified TO-13A |
| 09AA | LCSD | Modified TO-13A |

CERTIFIED BY: DATE: 02/25/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

*This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.*

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**Modified TO-13A**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2202342**

Six PUF/XAD Cartridge-Low Volume samples were received on February 15, 2022. The laboratory performed the analysis for polycyclic aromatic hydrocarbons in air by modified EPA Method TO-13A. The PUF/XAD samples were extracted using Pressurized Fluid Extraction (PFE) by EPA Method 3545A. The sample extract was then concentrated to 1.0 mL and analyzed by GC/MS in the full scan mode.

To meet the quality control objectives outlined in Method TO-13A, a field blank is required for each sampling episode. If field blanks are not provided to the laboratory, any attendant risk to data quality is the responsibility of the data user.

The frequency of matrix spikes are determined by the different monitoring programs. Matrix spikes are not included in the routine calibration specifications for TO-13A.

| ***Requirement*** | ***TO-13A*** | ***ATL Modifications*** |
|---|---|---|
| Initial Calibration | Calibration range: 0.1-2.5 ug/mL in Hexane | Calibration range: 1.0-500 ug/mL in Methylene chloride |
| Method Blank | <MDL | <Reporting limit |
| Surrogate Recoveries | 60-120% | 50-150% for Field Surrogates<br>Fluoranthene-d10 and Benzo(a)pyrene-d12 |

## Receiving Notes

There were no receiving discrepancies.

## Analytical Notes

The sample cartridges were pre-spiked with Fluoranthene-d10 and Benzo(a)Pyrene-d12 on 02/07/2022.

## Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
E - Exceeds instrument calibration range.
Q - Exceeds quality control limits.
S - Saturated peak.
J - Estimated value.
B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

**Client Sample ID: 20220209-11-SE-SAM1**

**Lab ID#: 2202342-01A**

No Detections Were Found.

**Client Sample ID: 20220209-11-NE-SAM2**

**Lab ID#: 2202342-02A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 1.5 |

**Client Sample ID: 20220209-11-SE-SAM3**

**Lab ID#: 2202342-03A**

No Detections Were Found.

**Client Sample ID: 20220209-11-NW-SAM4**

**Lab ID#: 2202342-04A**

No Detections Were Found.

**Client Sample ID: 20220209-11-SW-SAM5**

**Lab ID#: 2202342-05A**

No Detections Were Found.

**Client Sample ID: 20220209-11-SAM6**

**Lab ID#: 2202342-06A**

No Detections Were Found.

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**Client Sample ID: 20220209-11-SE-SAM1**

**Lab ID#: 2202342-01A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12021919** | **Date of Collection: 2/11/22 7:44:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/19/22 06:44 PM** |
| | | **Date of Extraction: 2/17/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 104 | 60-120 |
| Pyrene-d10 | 118 | 60-120 |
| Benzo(a)pyrene-d12 | 97 | 50-150 |
| Fluoranthene-d10 | 98 | 50-150 |

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**Client Sample ID: 20220209-11-NE-SAM2**

**Lab ID#: 2202342-02A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12021920** | **Date of Collection: 2/11/22 7:38:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/19/22 07:14 PM** |
| | | **Date of Extraction: 2/17/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 1.5 |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 73 | 60-120 |
| Pyrene-d10 | 82 | 60-120 |
| Benzo(a)pyrene-d12 | 72 | 50-150 |
| Fluoranthene-d10 | 70 | 50-150 |

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**Client Sample ID: 20220209-11-SE-SAM3**

**Lab ID#: 2202342-03A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12021921** | **Date of Collection: 2/11/22 7:42:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/19/22 07:45 PM** |
| | | **Date of Extraction: 2/17/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 81 | 60-120 |
| Pyrene-d10 | 90 | 60-120 |
| Benzo(a)pyrene-d12 | 75 | 50-150 |
| Fluoranthene-d10 | 73 | 50-150 |

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**Client Sample ID: 20220209-11-NW-SAM4**

**Lab ID#: 2202342-04A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12021922** | **Date of Collection: 2/11/22 7:52:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/19/22 08:15 PM** |
| | | **Date of Extraction: 2/17/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 79 | 60-120 |
| Pyrene-d10 | 91 | 60-120 |
| Benzo(a)pyrene-d12 | 78 | 50-150 |
| Fluoranthene-d10 | 72 | 50-150 |

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**Client Sample ID: 20220209-11-SW-SAM5**

**Lab ID#: 2202342-05A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12021923** | **Date of Collection: 2/11/22 7:49:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/19/22 08:45 PM** |
| | | **Date of Extraction: 2/17/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 74 | 60-120 |
| Pyrene-d10 | 85 | 60-120 |
| Benzo(a)pyrene-d12 | 71 | 50-150 |
| Fluoranthene-d10 | 65 | 50-150 |

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**Client Sample ID: 20220209-11-SAM6**

**Lab ID#: 2202342-06A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12021924** | **Date of Collection: 2/11/22 8:50:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/19/22 09:15 PM** |
| | | **Date of Extraction: 2/17/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 67 | 60-120 |
| Pyrene-d10 | 76 | 60-120 |
| Benzo(a)pyrene-d12 | 77 | 50-150 |
| Fluoranthene-d10 | 65 | 50-150 |

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**Client Sample ID: Lab Blank**

**Lab ID#: 2202342-07A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12021905** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/19/22 11:43 AM** | |
| | | **Date of Extraction: 2/17/22** | |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 81 | 60-120 |
| Pyrene-d10 | 81 | 60-120 |
| Benzo(a)pyrene-d12 | 92 | 50-150 |
| Fluoranthene-d10 | 81 | 50-150 |

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**Client Sample ID: CCV**

**Lab ID#: 2202342-08A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12021902** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/19/22 10:12 AM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 94 |
| 2-Methylnaphthalene | 101 |
| 2-Chloronaphthalene | 98 |
| Acenaphthylene | 97 |
| Acenaphthene | 93 |
| Fluorene | 96 |
| Phenanthrene | 96 |
| Anthracene | 95 |
| Fluoranthene | 100 |
| Pyrene | 98 |
| Chrysene | 96 |
| Benzo(a)anthracene | 102 |
| Benzo(b)fluoranthene | 106 |
| Benzo(k)fluoranthene | 104 |
| Benzo(a)pyrene | 103 |
| Indeno(1,2,3-c,d)pyrene | 89 |
| Dibenz(a,h)anthracene | 88 |
| Benzo(g,h,i)perylene | 87 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 99 | 70-130 |
| Pyrene-d10 | 99 | 70-130 |
| Benzo(a)pyrene-d12 | 103 | 70-130 |
| Fluoranthene-d10 | 101 | 70-130 |

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**Client Sample ID: LCS**

**Lab ID#: 2202342-09A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12021903** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/19/22 10:42 AM** | |
| | | **Date of Extraction: 2/17/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 76 | 60-120 |
| 2-Methylnaphthalene | 87 | 60-120 |
| 2-Chloronaphthalene | 84 | 60-120 |
| Acenaphthylene | 83 | 60-120 |
| Acenaphthene | 78 | 60-120 |
| Fluorene | 82 | 60-120 |
| Phenanthrene | 83 | 60-120 |
| Anthracene | 72 | 60-120 |
| Fluoranthene | 92 | 60-120 |
| Pyrene | 83 | 60-120 |
| Chrysene | 82 | 60-120 |
| Benzo(a)anthracene | 90 | 60-120 |
| Benzo(b)fluoranthene | 92 | 60-120 |
| Benzo(k)fluoranthene | 88 | 60-120 |
| Benzo(a)pyrene | 88 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 80 | 60-120 |
| Dibenz(a,h)anthracene | 79 | 60-120 |
| Benzo(g,h,i)perylene | 79 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 87 | 60-120 |
| Pyrene-d10 | 89 | 60-120 |
| Benzo(a)pyrene-d12 | 99 | 50-150 |
| Fluoranthene-d10 | 86 | 50-150 |

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**Client Sample ID: LCSD**

**Lab ID#: 2202342-09AA**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12021904** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/19/22 11:12 AM** | |
| | | **Date of Extraction: 2/17/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 72 | 60-120 |
| 2-Methylnaphthalene | 84 | 60-120 |
| 2-Chloronaphthalene | 84 | 60-120 |
| Acenaphthylene | 84 | 60-120 |
| Acenaphthene | 78 | 60-120 |
| Fluorene | 84 | 60-120 |
| Phenanthrene | 82 | 60-120 |
| Anthracene | 72 | 60-120 |
| Fluoranthene | 89 | 60-120 |
| Pyrene | 86 | 60-120 |
| Chrysene | 82 | 60-120 |
| Benzo(a)anthracene | 90 | 60-120 |
| Benzo(b)fluoranthene | 94 | 60-120 |
| Benzo(k)fluoranthene | 88 | 60-120 |
| Benzo(a)pyrene | 88 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 80 | 60-120 |
| Dibenz(a,h)anthracene | 80 | 60-120 |
| Benzo(g,h,i)perylene | 77 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 88 | 60-120 |
| Pyrene-d10 | 90 | 60-120 |
| Benzo(a)pyrene-d12 | 98 | 50-150 |
| Fluoranthene-d10 | 88 | 50-150 |

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2/28/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th St.
Project #: 0529307
Workorder #: 2202403

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 2/17/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-13A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

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# WORK ORDER #: 2202403

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 012633-1107 |
| **FAX:** | | **PROJECT #** | 0529307 Champaign 5th St. |
| **DATE RECEIVED:** | 02/17/2022 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 02/28/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20220214-16-SE-SAM1 | Modified TO-13A |
| 02A | 20220214-16-NE-SAM2 | Modified TO-13A |
| 03A | 20220214-16-SE-SAM3 | Modified TO-13A |
| 04A | 20220214-16-NW-SAM4 | Modified TO-13A |
| 05A | 20220214-16-SW-SAM5 | Modified TO-13A |
| 06A | 20220214-16-SAM6 | Modified TO-13A |
| 07A | Lab Blank | Modified TO-13A |
| 08A | CCV | Modified TO-13A |
| 09A | LCS | Modified TO-13A |
| 09AA | LCSD | Modified TO-13A |

CERTIFIED BY: DATE: 02/28/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

*This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.*

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**Modified TO-13A**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2202403**

Six PUF/XAD Cartridge-Low Volume samples were received on February 17, 2022. The laboratory performed the analysis for polycyclic aromatic hydrocarbons in air by modified EPA Method TO-13A. The PUF/XAD samples were extracted using Pressurized Fluid Extraction (PFE) by EPA Method 3545A. The sample extract was then concentrated to 1.0 mL and analyzed by GC/MS in the full scan mode.

To meet the quality control objectives outlined in Method TO-13A, a field blank is required for each sampling episode. If field blanks are not provided to the laboratory, any attendant risk to data quality is the responsibility of the data user.

The frequency of matrix spikes are determined by the different monitoring programs. Matrix spikes are not included in the routine calibration specifications for TO-13A.

| ***Requirement*** | ***TO-13A*** | ***ATL Modifications*** |
|---|---|---|
| Initial Calibration | Calibration range: 0.1-2.5 ug/mL in Hexane | Calibration range: 1.0-500 ug/mL in Methylene chloride |
| Method Blank | <MDL | <Reporting limit |
| Surrogate Recoveries | 60-120% | 50-150% for Field Surrogates<br>Fluoranthene-d10 and Benzo(a)pyrene-d12 |

## Receiving Notes

There were no receiving discrepancies.

## Analytical Notes

The sample cartridges were pre-spiked with Fluoranthene-d10 and Benzo(a)Pyrene-d12 on 02/07/2022.

## Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
E - Exceeds instrument calibration range.
Q - Exceeds quality control limits.
S - Saturated peak.
J - Estimated value.
B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

**Client Sample ID: 20220214-16-SE-SAM1**

**Lab ID#: 2202403-01A**

No Detections Were Found.

**Client Sample ID: 20220214-16-NE-SAM2**

**Lab ID#: 2202403-02A**

No Detections Were Found.

**Client Sample ID: 20220214-16-SE-SAM3**

**Lab ID#: 2202403-03A**

No Detections Were Found.

**Client Sample ID: 20220214-16-NW-SAM4**

**Lab ID#: 2202403-04A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 2.5 |

**Client Sample ID: 20220214-16-SW-SAM5**

**Lab ID#: 2202403-05A**

No Detections Were Found.

**Client Sample ID: 20220214-16-SAM6**

**Lab ID#: 2202403-06A**

No Detections Were Found.

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**Client Sample ID: 20220214-16-SE-SAM1**

**Lab ID#: 2202403-01A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12022145** | **Date of Collection: 2/16/22 8:13:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/22/22 06:08 AM** |
| | | **Date of Extraction: 2/21/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 82 | 60-120 |
| Pyrene-d10 | 85 | 60-120 |
| Benzo(a)pyrene-d12 | 77 | 50-150 |
| Fluoranthene-d10 | 83 | 50-150 |

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**Client Sample ID: 20220214-16-NE-SAM2**

**Lab ID#: 2202403-02A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12022146** | **Date of Collection: 2/16/22 8:00:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/22/22 06:38 AM** |
| | | **Date of Extraction: 2/21/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 82 | 60-120 |
| Pyrene-d10 | 89 | 60-120 |
| Benzo(a)pyrene-d12 | 82 | 50-150 |
| Fluoranthene-d10 | 82 | 50-150 |

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**Client Sample ID: 20220214-16-SE-SAM3**

**Lab ID#: 2202403-03A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12022147** | **Date of Collection: 2/16/22 8:07:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/22/22 07:08 AM** |
| | | **Date of Extraction: 2/21/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 78 | 60-120 |
| Pyrene-d10 | 91 | 60-120 |
| Benzo(a)pyrene-d12 | 81 | 50-150 |
| Fluoranthene-d10 | 79 | 50-150 |

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**Client Sample ID: 20220214-16-NW-SAM4**

**Lab ID#: 2202403-04A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12022148** | **Date of Collection: 2/16/22 8:30:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/22/22 07:37 AM** |
| | | **Date of Extraction: 2/21/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 2.5 |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 79 | 60-120 |
| Pyrene-d10 | 91 | 60-120 |
| Benzo(a)pyrene-d12 | 77 | 50-150 |
| Fluoranthene-d10 | 80 | 50-150 |

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**Client Sample ID: 20220214-16-SW-SAM5**

**Lab ID#: 2202403-05A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12022149** | **Date of Collection: 2/16/22 8:22:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/22/22 08:07 AM** |
| | | **Date of Extraction: 2/21/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 82 | 60-120 |
| Pyrene-d10 | 92 | 60-120 |
| Benzo(a)pyrene-d12 | 77 | 50-150 |
| Fluoranthene-d10 | 78 | 50-150 |

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**Client Sample ID: 20220214-16-SAM6**

**Lab ID#: 2202403-06A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12022150** | **Date of Collection: 2/16/22 8:32:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/22/22 08:37 AM** |
| | | **Date of Extraction: 2/21/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 77 | 60-120 |
| Pyrene-d10 | 91 | 60-120 |
| Benzo(a)pyrene-d12 | 88 | 50-150 |
| Fluoranthene-d10 | 78 | 50-150 |

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**Client Sample ID: Lab Blank**

**Lab ID#: 2202403-07A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12022131** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/21/22 11:09 PM** | |
| | | **Date of Extraction: 2/21/22** | |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 84 | 60-120 |
| Pyrene-d10 | 81 | 60-120 |
| Benzo(a)pyrene-d12 | 96 | 50-150 |
| Fluoranthene-d10 | 94 | 50-150 |

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**Client Sample ID: CCV**

**Lab ID#: 2202403-08A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12022128** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/21/22 09:39 PM** |
| | | **Date of Extraction: 2/21/22** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 92 |
| 2-Methylnaphthalene | 99 |
| 2-Chloronaphthalene | 97 |
| Acenaphthylene | 98 |
| Acenaphthene | 93 |
| Fluorene | 99 |
| Phenanthrene | 94 |
| Anthracene | 94 |
| Fluoranthene | 102 |
| Pyrene | 99 |
| Chrysene | 90 |
| Benzo(a)anthracene | 98 |
| Benzo(b)fluoranthene | 108 |
| Benzo(k)fluoranthene | 103 |
| Benzo(a)pyrene | 102 |
| Indeno(1,2,3-c,d)pyrene | 88 |
| Dibenz(a,h)anthracene | 88 |
| Benzo(g,h,i)perylene | 87 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 100 | 70-130 |
| Pyrene-d10 | 98 | 70-130 |
| Benzo(a)pyrene-d12 | 103 | 70-130 |
| Fluoranthene-d10 | 104 | 70-130 |

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**Client Sample ID: LCS**

**Lab ID#: 2202403-09A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12022129** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/21/22 10:09 PM** | |
| | | **Date of Extraction: 2/21/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 72 | 60-120 |
| 2-Methylnaphthalene | 84 | 60-120 |
| 2-Chloronaphthalene | 82 | 60-120 |
| Acenaphthylene | 82 | 60-120 |
| Acenaphthene | 78 | 60-120 |
| Fluorene | 84 | 60-120 |
| Phenanthrene | 84 | 60-120 |
| Anthracene | 71 | 60-120 |
| Fluoranthene | 92 | 60-120 |
| Pyrene | 88 | 60-120 |
| Chrysene | 88 | 60-120 |
| Benzo(a)anthracene | 91 | 60-120 |
| Benzo(b)fluoranthene | 100 | 60-120 |
| Benzo(k)fluoranthene | 88 | 60-120 |
| Benzo(a)pyrene | 90 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 77 | 60-120 |
| Dibenz(a,h)anthracene | 80 | 60-120 |
| Benzo(g,h,i)perylene | 80 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 84 | 60-120 |
| Pyrene-d10 | 89 | 60-120 |
| Benzo(a)pyrene-d12 | 99 | 50-150 |
| Fluoranthene-d10 | 92 | 50-150 |

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**Client Sample ID: LCSD**

**Lab ID#: 2202403-09AA**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12022130** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/21/22 10:39 PM** | |
| | | **Date of Extraction: 2/21/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 77 | 60-120 |
| 2-Methylnaphthalene | 88 | 60-120 |
| 2-Chloronaphthalene | 85 | 60-120 |
| Acenaphthylene | 83 | 60-120 |
| Acenaphthene | 78 | 60-120 |
| Fluorene | 84 | 60-120 |
| Phenanthrene | 80 | 60-120 |
| Anthracene | 67 | 60-120 |
| Fluoranthene | 86 | 60-120 |
| Pyrene | 83 | 60-120 |
| Chrysene | 86 | 60-120 |
| Benzo(a)anthracene | 90 | 60-120 |
| Benzo(b)fluoranthene | 98 | 60-120 |
| Benzo(k)fluoranthene | 86 | 60-120 |
| Benzo(a)pyrene | 89 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 76 | 60-120 |
| Dibenz(a,h)anthracene | 79 | 60-120 |
| Benzo(g,h,i)perylene | 76 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 85 | 60-120 |
| Pyrene-d10 | 88 | 60-120 |
| Benzo(a)pyrene-d12 | 99 | 50-150 |
| Fluoranthene-d10 | 85 | 50-150 |

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3/1/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th St.
Project #: 0529307
Workorder #: 2202502

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 2/22/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-13A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

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# WORK ORDER #: 2202502

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 012633-1107 |
| **FAX:** | | **PROJECT #** | 0529307 Champaign 5th St. |
| **DATE RECEIVED:** | 02/22/2022 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 03/01/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20220216-18-SE-SAM1 | Modified TO-13A |
| 02A | 20220216-18-NE-SAM2 | Modified TO-13A |
| 03A | 20220216-18-SE-SAM3 | Modified TO-13A |
| 04A | 20220216-18-SW-SAM5 | Modified TO-13A |
| 05A | 20220216-18-NW-SAM4 | Modified TO-13A |
| 06A | 20220216-18-SAM6 | Modified TO-13A |
| 07A | Lab Blank | Modified TO-13A |
| 08A | CCV | Modified TO-13A |
| 09A | LCS | Modified TO-13A |
| 09AA | LCSD | Modified TO-13A |

CERTIFIED BY: DATE: 03/01/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

*This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.*

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**Modified TO-13A**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2202502**

Six PUF/XAD Cartridge-Low Volume samples were received on February 22, 2022. The laboratory performed the analysis for polycyclic aromatic hydrocarbons in air by modified EPA Method TO-13A. The PUF/XAD samples were extracted using Pressurized Fluid Extraction (PFE) by EPA Method 3545A. The sample extract was then concentrated to 1.0 mL and analyzed by GC/MS in the full scan mode.

To meet the quality control objectives outlined in Method TO-13A, a field blank is required for each sampling episode. If field blanks are not provided to the laboratory, any attendant risk to data quality is the responsibility of the data user.

The frequency of matrix spikes are determined by the different monitoring programs. Matrix spikes are not included in the routine calibration specifications for TO-13A.

| ***Requirement*** | ***TO-13A*** | ***ATL Modifications*** |
|---|---|---|
| Initial Calibration | Calibration range: 0.1-2.5 ug/mL in Hexane | Calibration range: 1.0-500 ug/mL in Methylene chloride |
| Method Blank | <MDL | <Reporting limit |
| Surrogate Recoveries | 60-120% | 50-150% for Field Surrogates<br>Fluoranthene-d10 and Benzo(a)pyrene-d12 |

## Receiving Notes

There were no receiving discrepancies.

## Analytical Notes

The sample cartridges were pre-spiked with Fluoranthene-d10 and Benzo(a)Pyrene-d12 on 02/14/2022.

## Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
E - Exceeds instrument calibration range.
Q - Exceeds quality control limits.
S - Saturated peak.
J - Estimated value.
B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

**Client Sample ID: 20220216-18-SE-SAM1**

**Lab ID#: 2202502-01A**

No Detections Were Found.

**Client Sample ID: 20220216-18-NE-SAM2**

**Lab ID#: 2202502-02A**

No Detections Were Found.

**Client Sample ID: 20220216-18-SE-SAM3**

**Lab ID#: 2202502-03A**

No Detections Were Found.

**Client Sample ID: 20220216-18-SW-SAM5**

**Lab ID#: 2202502-04A**

No Detections Were Found.

**Client Sample ID: 20220216-18-NW-SAM4**

**Lab ID#: 2202502-05A**

No Detections Were Found.

**Client Sample ID: 20220216-18-SAM6**

**Lab ID#: 2202502-06A**

No Detections Were Found.

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**Client Sample ID: 20220216-18-SE-SAM1**

**Lab ID#: 2202502-01A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12022321** | **Date of Collection: 2/18/22 7:33:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/23/22 08:57 PM** |
| | | **Date of Extraction: 2/23/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 82 | 60-120 |
| Pyrene-d10 | 98 | 60-120 |
| Benzo(a)pyrene-d12 | 88 | 50-150 |
| Fluoranthene-d10 | 78 | 50-150 |

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**Client Sample ID: 20220216-18-NE-SAM2**

**Lab ID#: 2202502-02A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12022322** | **Date of Collection: 2/18/22 6:38:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/23/22 09:26 PM** |
| | | **Date of Extraction: 2/23/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 81 | 60-120 |
| Pyrene-d10 | 85 | 60-120 |
| Benzo(a)pyrene-d12 | 81 | 50-150 |
| Fluoranthene-d10 | 79 | 50-150 |

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**Client Sample ID: 20220216-18-SE-SAM3**

**Lab ID#: 2202502-03A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12022323** | **Date of Collection: 2/18/22 7:28:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/23/22 09:56 PM** |
| | | **Date of Extraction: 2/23/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 77 | 60-120 |
| Pyrene-d10 | 91 | 60-120 |
| Benzo(a)pyrene-d12 | 82 | 50-150 |
| Fluoranthene-d10 | 77 | 50-150 |

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**Client Sample ID: 20220216-18-SW-SAM5**

**Lab ID#: 2202502-04A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12022324** | **Date of Collection: 2/18/22 7:15:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/23/22 10:26 PM** |
| | | **Date of Extraction: 2/23/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 79 | 60-120 |
| Pyrene-d10 | 80 | 60-120 |
| Benzo(a)pyrene-d12 | 78 | 50-150 |
| Fluoranthene-d10 | 75 | 50-150 |

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**Client Sample ID: 20220216-18-NW-SAM4**

**Lab ID#: 2202502-05A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12022325** | **Date of Collection: 2/18/22 6:57:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/23/22 10:56 PM** |
| | | **Date of Extraction: 2/23/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 82 | 60-120 |
| Pyrene-d10 | 93 | 60-120 |
| Benzo(a)pyrene-d12 | 81 | 50-150 |
| Fluoranthene-d10 | 78 | 50-150 |

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**Client Sample ID: 20220216-18-SAM6**

**Lab ID#: 2202502-06A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12022326** | **Date of Collection: 2/18/22 7:40:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/23/22 11:26 PM** |
| | | **Date of Extraction: 2/23/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 76 | 60-120 |
| Pyrene-d10 | 84 | 60-120 |
| Benzo(a)pyrene-d12 | 77 | 50-150 |
| Fluoranthene-d10 | 72 | 50-150 |

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**Client Sample ID: Lab Blank**

**Lab ID#: 2202502-07A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12022306** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/23/22 01:27 PM** | |
| | | **Date of Extraction: 2/23/22** | |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 79 | 60-120 |
| Pyrene-d10 | 89 | 60-120 |
| Benzo(a)pyrene-d12 | 92 | 50-150 |
| Fluoranthene-d10 | 79 | 50-150 |

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**Client Sample ID: CCV**

**Lab ID#: 2202502-08A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12022303** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/23/22 11:57 AM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 87 |
| 2-Methylnaphthalene | 92 |
| 2-Chloronaphthalene | 95 |
| Acenaphthylene | 94 |
| Acenaphthene | 87 |
| Fluorene | 90 |
| Phenanthrene | 91 |
| Anthracene | 89 |
| Fluoranthene | 92 |
| Pyrene | 106 |
| Chrysene | 90 |
| Benzo(a)anthracene | 96 |
| Benzo(b)fluoranthene | 109 |
| Benzo(k)fluoranthene | 97 |
| Benzo(a)pyrene | 98 |
| Indeno(1,2,3-c,d)pyrene | 76 |
| Dibenz(a,h)anthracene | 86 |
| Benzo(g,h,i)perylene | 85 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 91 | 70-130 |
| Pyrene-d10 | 104 | 70-130 |
| Benzo(a)pyrene-d12 | 98 | 70-130 |
| Fluoranthene-d10 | 92 | 70-130 |

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**Client Sample ID: LCS**

**Lab ID#: 2202502-09A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12022304** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/23/22 12:27 PM** | |
| | | **Date of Extraction: 2/23/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 70 | 60-120 |
| 2-Methylnaphthalene | 80 | 60-120 |
| 2-Chloronaphthalene | 81 | 60-120 |
| Acenaphthylene | 77 | 60-120 |
| Acenaphthene | 74 | 60-120 |
| Fluorene | 78 | 60-120 |
| Phenanthrene | 77 | 60-120 |
| Anthracene | 60 | 60-120 |
| Fluoranthene | 83 | 60-120 |
| Pyrene | 86 | 60-120 |
| Chrysene | 83 | 60-120 |
| Benzo(a)anthracene | 84 | 60-120 |
| Benzo(b)fluoranthene | 93 | 60-120 |
| Benzo(k)fluoranthene | 82 | 60-120 |
| Benzo(a)pyrene | 82 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 65 | 60-120 |
| Dibenz(a,h)anthracene | 74 | 60-120 |
| Benzo(g,h,i)perylene | 73 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 76 | 60-120 |
| Pyrene-d10 | 86 | 60-120 |
| Benzo(a)pyrene-d12 | 92 | 50-150 |
| Fluoranthene-d10 | 79 | 50-150 |

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**Client Sample ID: LCSD**

**Lab ID#: 2202502-09AA**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12022305** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/23/22 12:57 PM** | |
| | | **Date of Extraction: 2/23/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 70 | 60-120 |
| 2-Methylnaphthalene | 81 | 60-120 |
| 2-Chloronaphthalene | 80 | 60-120 |
| Acenaphthylene | 77 | 60-120 |
| Acenaphthene | 72 | 60-120 |
| Fluorene | 78 | 60-120 |
| Phenanthrene | 76 | 60-120 |
| Anthracene | 62 | 60-120 |
| Fluoranthene | 82 | 60-120 |
| Pyrene | 80 | 60-120 |
| Chrysene | 82 | 60-120 |
| Benzo(a)anthracene | 83 | 60-120 |
| Benzo(b)fluoranthene | 95 | 60-120 |
| Benzo(k)fluoranthene | 82 | 60-120 |
| Benzo(a)pyrene | 84 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 67 | 60-120 |
| Dibenz(a,h)anthracene | 74 | 60-120 |
| Benzo(g,h,i)perylene | 72 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 78 | 60-120 |
| Pyrene-d10 | 81 | 60-120 |
| Benzo(a)pyrene-d12 | 91 | 50-150 |
| Fluoranthene-d10 | 80 | 50-150 |

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3/4/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th St.
Project #: 0529307
Workorder #: 2202582

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 2/24/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-13A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

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# WORK ORDER #: 2202582

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 012633-1107 |
| **FAX:** | | **PROJECT #** | 0529307 Champaign 5th St. |
| **DATE RECEIVED:** | 02/24/2022 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 03/04/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20220221-23-SE-SAM1 | Modified TO-13A |
| 02A | 20220221-23-SE-SAM3 | Modified TO-13A |
| 03A | 20220221-23-NE-SAM2 | Modified TO-13A |
| 04A | 20220221-23-NW-SAM4 | Modified TO-13A |
| 05A | 20220221-23-SW-SAM5 | Modified TO-13A |
| 06A | 20220221-23-SAM6 | Modified TO-13A |
| 07A | Lab Blank | Modified TO-13A |
| 08A | CCV | Modified TO-13A |
| 09A | LCS | Modified TO-13A |
| 09AA | LCSD | Modified TO-13A |

CERTIFIED BY: Heidi Hayes DATE: 03/04/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**Modified TO-13A**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2202582**

Six PUF/XAD Cartridge-Low Volume samples were received on February 24, 2022. The laboratory performed the analysis for polycyclic aromatic hydrocarbons in air by modified EPA Method TO-13A. The PUF/XAD samples were extracted using Pressurized Fluid Extraction (PFE) by EPA Method 3545A. The sample extract was then concentrated to 1.0 mL and analyzed by GC/MS in the full scan mode.

To meet the quality control objectives outlined in Method TO-13A, a field blank is required for each sampling episode. If field blanks are not provided to the laboratory, any attendant risk to data quality is the responsibility of the data user.

The frequency of matrix spikes are determined by the different monitoring programs. Matrix spikes are not included in the routine calibration specifications for TO-13A.

| ***Requirement*** | ***TO-13A*** | ***ATL Modifications*** |
|---|---|---|
| Initial Calibration | Calibration range: 0.1-2.5 ug/mL in Hexane | Calibration range: 1.0-500 ug/mL in Methylene chloride |
| Method Blank | <MDL | <Reporting limit |
| Surrogate Recoveries | 60-120% | 50-150% for Field Surrogates<br>Fluoranthene-d10 and Benzo(a)pyrene-d12 |

**Receiving Notes**

There were no receiving discrepancies.

**Analytical Notes**

The sample cartridges were pre-spiked with Fluoranthene-d10 and Benzo(a)Pyrene-d12 on 02/14/2022.

All Quality Control Limit exceedances and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

The recovery for Anthracene in the LCS was outside the laboratory control limits. Due to the nature of PUF/XAD2 extraction, it is not possible to re-extract the associated samples. All other LCS recoveries were within allowed limits.

**Definition of Data Qualifying Flags**

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
E - Exceeds instrument calibration range.
Q - Exceeds quality control limits.
S - Saturated peak.

J - Estimated value.
B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

**Client Sample ID: 20220221-23-SE-SAM1**

**Lab ID#: 2202582-01A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 1.2 |

**Client Sample ID: 20220221-23-SE-SAM3**

**Lab ID#: 2202582-02A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 1.1 |

**Client Sample ID: 20220221-23-NE-SAM2**

**Lab ID#: 2202582-03A**

No Detections Were Found.

**Client Sample ID: 20220221-23-NW-SAM4**

**Lab ID#: 2202582-04A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 4.2 |

**Client Sample ID: 20220221-23-SW-SAM5**

**Lab ID#: 2202582-05A**

No Detections Were Found.

**Client Sample ID: 20220221-23-SAM6**

**Lab ID#: 2202582-06A**

No Detections Were Found.

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**Client Sample ID: 20220221-23-SE-SAM1**

**Lab ID#: 2202582-01A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12030136** | **Date of Collection: 2/23/22 7:59:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/2/22 01:39 AM** |
| | | **Date of Extraction: 3/1/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 1.2 |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 91 | 60-120 |
| Pyrene-d10 | 113 | 60-120 |
| Benzo(a)pyrene-d12 | 106 | 50-150 |
| Fluoranthene-d10 | 86 | 50-150 |

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**Client Sample ID: 20220221-23-SE-SAM3**

**Lab ID#: 2202582-02A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12030137** | **Date of Collection: 2/23/22 7:53:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/2/22 02:09 AM** |
| | | **Date of Extraction: 3/1/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 1.1 |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 77 | 60-120 |
| Pyrene-d10 | 99 | 60-120 |
| Benzo(a)pyrene-d12 | 88 | 50-150 |
| Fluoranthene-d10 | 74 | 50-150 |

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**Client Sample ID: 20220221-23-NE-SAM2**

**Lab ID#: 2202582-03A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12030138** | **Date of Collection: 2/23/22 7:47:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/2/22 02:39 AM** |
| | | **Date of Extraction: 3/1/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 82 | 60-120 |
| Pyrene-d10 | 105 | 60-120 |
| Benzo(a)pyrene-d12 | 99 | 50-150 |
| Fluoranthene-d10 | 79 | 50-150 |

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**Client Sample ID: 20220221-23-NW-SAM4**

**Lab ID#: 2202582-04A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12030139** | **Date of Collection: 2/23/22 8:16:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/2/22 03:09 AM** |
| | | **Date of Extraction: 3/1/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 4.2 |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 89 | 60-120 |
| Pyrene-d10 | 103 | 60-120 |
| Benzo(a)pyrene-d12 | 100 | 50-150 |
| Fluoranthene-d10 | 85 | 50-150 |

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**Client Sample ID: 20220221-23-SW-SAM5**

**Lab ID#: 2202582-05A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12030140** | **Date of Collection: 2/23/22 8:07:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/2/22 03:39 AM** |
| | | **Date of Extraction: 3/1/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 87 | 60-120 |
| Pyrene-d10 | 112 | 60-120 |
| Benzo(a)pyrene-d12 | 107 | 50-150 |
| Fluoranthene-d10 | 85 | 50-150 |

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**Client Sample ID: 20220221-23-SAM6**

**Lab ID#: 2202582-06A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12030141** | **Date of Collection: 2/23/22 8:15:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/2/22 04:08 AM** |
| | | **Date of Extraction: 3/1/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 80 | 60-120 |
| Pyrene-d10 | 97 | 60-120 |
| Benzo(a)pyrene-d12 | 98 | 50-150 |
| Fluoranthene-d10 | 77 | 50-150 |

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**Client Sample ID: Lab Blank**

**Lab ID#: 2202582-07A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12030121** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/1/22 06:09 PM** | |
| | | **Date of Extraction: 3/1/22** | |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 82 | 60-120 |
| Pyrene-d10 | 102 | 60-120 |
| Benzo(a)pyrene-d12 | 109 | 50-150 |
| Fluoranthene-d10 | 83 | 50-150 |

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**Client Sample ID: CCV**

**Lab ID#: 2202582-08A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12030118** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/1/22 04:38 PM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 94 |
| 2-Methylnaphthalene | 99 |
| 2-Chloronaphthalene | 105 |
| Acenaphthylene | 100 |
| Acenaphthene | 95 |
| Fluorene | 97 |
| Phenanthrene | 96 |
| Anthracene | 96 |
| Fluoranthene | 97 |
| Pyrene | 119 |
| Chrysene | 102 |
| Benzo(a)anthracene | 105 |
| Benzo(b)fluoranthene | 134 Q |
| Benzo(k)fluoranthene | 117 |
| Benzo(a)pyrene | 117 |
| Indeno(1,2,3-c,d)pyrene | 86 |
| Dibenz(a,h)anthracene | 105 |
| Benzo(g,h,i)perylene | 105 |

Q = Exceeds Quality Control limits.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 102 | 70-130 |
| Pyrene-d10 | 118 | 70-130 |
| Benzo(a)pyrene-d12 | 120 | 70-130 |
| Fluoranthene-d10 | 99 | 70-130 |

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**Client Sample ID: LCS**

**Lab ID#: 2202582-09A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12030119** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/1/22 05:08 PM** | |
| | | **Date of Extraction: 3/1/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 75 | 60-120 |
| 2-Methylnaphthalene | 87 | 60-120 |
| 2-Chloronaphthalene | 86 | 60-120 |
| Acenaphthylene | 84 | 60-120 |
| Acenaphthene | 77 | 60-120 |
| Fluorene | 83 | 60-120 |
| Phenanthrene | 81 | 60-120 |
| Anthracene | 58 Q | 60-120 |
| Fluoranthene | 86 | 60-120 |
| Pyrene | 94 | 60-120 |
| Chrysene | 87 | 60-120 |
| Benzo(a)anthracene | 90 | 60-120 |
| Benzo(b)fluoranthene | 108 | 60-120 |
| Benzo(k)fluoranthene | 102 | 60-120 |
| Benzo(a)pyrene | 97 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 75 | 60-120 |
| Dibenz(a,h)anthracene | 89 | 60-120 |
| Benzo(g,h,i)perylene | 90 | 60-120 |

Q = Exceeds Quality Control limits.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 80 | 60-120 |
| Pyrene-d10 | 93 | 60-120 |
| Benzo(a)pyrene-d12 | 107 | 50-150 |
| Fluoranthene-d10 | 82 | 50-150 |

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**Client Sample ID: LCSD**

**Lab ID#: 2202582-09AA**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12030120** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/1/22 05:39 PM** | |
| | | **Date of Extraction: 3/1/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 76 | 60-120 |
| 2-Methylnaphthalene | 86 | 60-120 |
| 2-Chloronaphthalene | 92 | 60-120 |
| Acenaphthylene | 89 | 60-120 |
| Acenaphthene | 82 | 60-120 |
| Fluorene | 88 | 60-120 |
| Phenanthrene | 87 | 60-120 |
| Anthracene | 62 | 60-120 |
| Fluoranthene | 91 | 60-120 |
| Pyrene | 109 | 60-120 |
| Chrysene | 94 | 60-120 |
| Benzo(a)anthracene | 99 | 60-120 |
| Benzo(b)fluoranthene | 115 | 60-120 |
| Benzo(k)fluoranthene | 110 | 60-120 |
| Benzo(a)pyrene | 105 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 81 | 60-120 |
| Dibenz(a,h)anthracene | 97 | 60-120 |
| Benzo(g,h,i)perylene | 96 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 87 | 60-120 |
| Pyrene-d10 | 104 | 60-120 |
| Benzo(a)pyrene-d12 | 116 | 50-150 |
| Fluoranthene-d10 | 91 | 50-150 |

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3/9/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th St.
Project #: 0529307
Workorder #: 2203008

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 3/1/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-13A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

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# WORK ORDER #: 2203008

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 012633-1107 |
| **FAX:** | | **PROJECT #** | 0529307 Champaign 5th St. |
| **DATE RECEIVED:** | 03/01/2022 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 03/09/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20220223-25-SE-SAM1 | Modified TO-13A |
| 02A | 20220223-25-NE-SAM2 | Modified TO-13A |
| 03A | 20220223-25-SE-SAM3 | Modified TO-13A |
| 04A | 20220223-25-NW-SAM4 | Modified TO-13A |
| 05A | 20220223-25-SW-SAM5 | Modified TO-13A |
| 06A | 20220223-25-SAM6 | Modified TO-13A |
| 07A | Lab Blank | Modified TO-13A |
| 08A | CCV | Modified TO-13A |
| 09A | LCS | Modified TO-13A |
| 09AA | LCSD | Modified TO-13A |

CERTIFIED BY: DATE: 03/09/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

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**LABORATORY NARRATIVE**
**Modified TO-13A**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2203008**

Six PUF/XAD Cartridge-Low Volume samples were received on March 01, 2022. The laboratory performed the analysis for polycyclic aromatic hydrocarbons in air by modified EPA Method TO-13A. The PUF/XAD samples were extracted using Pressurized Fluid Extraction (PFE) by EPA Method 3545A. The sample extract was then concentrated to 1.0 mL and analyzed by GC/MS in the full scan mode.

To meet the quality control objectives outlined in Method TO-13A, a field blank is required for each sampling episode. If field blanks are not provided to the laboratory, any attendant risk to data quality is the responsibility of the data user.

The frequency of matrix spikes are determined by the different monitoring programs. Matrix spikes are not included in the routine calibration specifications for TO-13A.

| ***Requirement*** | ***TO-13A*** | ***ATL Modifications*** |
|---|---|---|
| Initial Calibration | Calibration range: 0.1-2.5 ug/mL in Hexane | Calibration range: 1.0-500 ug/mL in Methylene chloride |
| Method Blank | <MDL | <Reporting limit |
| Surrogate Recoveries | 60-120% | 50-150% for Field Surrogates<br>Fluoranthene-d10 and Benzo(a)pyrene-d12 |

## Receiving Notes

A Temperature Blank was not included with the shipment. Temperature was measured on a representative sample and was not within 4±2 °C. Coolant in the form of blue ice was present. Analysis proceeded.

## Analytical Notes

The sample cartridges were pre-spiked with Fluoranthene-d10 and Benzo(a)Pyrene-d12 on 02/21/2022.

The recovery for Benzo(b)fluoranthene in the LCSD was outside the laboratory control limits. Due to the nature of PUF/XAD2 extraction, it is not possible to re-extract the associated samples. All other LCSD recoveries were within allowed limits.

## Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
E - Exceeds instrument calibration range.
Q - Exceeds quality control limits.
S - Saturated peak.
J - Estimated value.
B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

**Client Sample ID: 20220223-25-SE-SAM1**

**Lab ID#: 2203008-01A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 3.9 |

**Client Sample ID: 20220223-25-NE-SAM2**

**Lab ID#: 2203008-02A**

No Detections Were Found.

**Client Sample ID: 20220223-25-SE-SAM3**

**Lab ID#: 2203008-03A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 3.6 |

**Client Sample ID: 20220223-25-NW-SAM4**

**Lab ID#: 2203008-04A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 4.4 |

**Client Sample ID: 20220223-25-SW-SAM5**

**Lab ID#: 2203008-05A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 8.9 |
| 2-Methylnaphthalene | 1.0 | 1.8 |

**Client Sample ID: 20220223-25-SAM6**

**Lab ID#: 2203008-06A**

No Detections Were Found.

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**Client Sample ID: 20220223-25-SE-SAM1**

**Lab ID#: 2203008-01A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12030419** | **Date of Collection: 2/25/22 9:40:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/4/22 07:45 PM** |
| | | **Date of Extraction: 3/4/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 3.9 |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 79 | 60-120 |
| Pyrene-d10 | 98 | 60-120 |
| Benzo(a)pyrene-d12 | 87 | 50-150 |
| Fluoranthene-d10 | 75 | 50-150 |

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**Client Sample ID: 20220223-25-NE-SAM2**

**Lab ID#: 2203008-02A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12030420** | **Date of Collection: 2/25/22 9:31:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/4/22 08:15 PM** |
| | | **Date of Extraction: 3/4/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 98 | 60-120 |
| Pyrene-d10 | 109 | 60-120 |
| Benzo(a)pyrene-d12 | 106 | 50-150 |
| Fluoranthene-d10 | 87 | 50-150 |

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**Client Sample ID: 20220223-25-SE-SAM3**

**Lab ID#: 2203008-03A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12030421** | **Date of Collection: 2/25/22 9:35:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/4/22 08:45 PM** |
| | | **Date of Extraction: 3/4/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 3.6 |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 83 | 60-120 |
| Pyrene-d10 | 88 | 60-120 |
| Benzo(a)pyrene-d12 | 87 | 50-150 |
| Fluoranthene-d10 | 76 | 50-150 |

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**Client Sample ID: 20220223-25-NW-SAM4**

**Lab ID#: 2203008-04A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12030422** | **Date of Collection: 2/25/22 9:54:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/4/22 09:15 PM** |
| | | **Date of Extraction: 3/4/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 4.4 |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 94 | 60-120 |
| Pyrene-d10 | 101 | 60-120 |
| Benzo(a)pyrene-d12 | 105 | 50-150 |
| Fluoranthene-d10 | 82 | 50-150 |

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**Client Sample ID: 20220223-25-SW-SAM5**

**Lab ID#: 2203008-05A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12030423** | **Date of Collection: 2/25/22 9:48:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/4/22 09:45 PM** |
| | | **Date of Extraction: 3/4/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 8.9 |
| 2-Methylnaphthalene | 1.0 | 1.8 |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 94 | 60-120 |
| Pyrene-d10 | 118 | 60-120 |
| Benzo(a)pyrene-d12 | 100 | 50-150 |
| Fluoranthene-d10 | 94 | 50-150 |

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**Client Sample ID: 20220223-25-SAM6**

**Lab ID#: 2203008-06A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12030424** | **Date of Collection: 2/25/22 10:12:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/4/22 10:15 PM** |
| | | **Date of Extraction: 3/4/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 87 | 60-120 |
| Pyrene-d10 | 110 | 60-120 |
| Benzo(a)pyrene-d12 | 108 | 50-150 |
| Fluoranthene-d10 | 86 | 50-150 |

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**Client Sample ID: Lab Blank**

**Lab ID#: 2203008-07A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12030405** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/4/22 12:45 PM** | |
| | | **Date of Extraction: 3/4/22** | |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 84 | 60-120 |
| Pyrene-d10 | 108 | 60-120 |
| Benzo(a)pyrene-d12 | 111 | 50-150 |
| Fluoranthene-d10 | 78 | 50-150 |

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**Client Sample ID: CCV**

**Lab ID#: 2203008-08A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12030402** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/4/22 11:14 AM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 86 |
| 2-Methylnaphthalene | 86 |
| 2-Chloronaphthalene | 96 |
| Acenaphthylene | 93 |
| Acenaphthene | 84 |
| Fluorene | 84 |
| Phenanthrene | 85 |
| Anthracene | 85 |
| Fluoranthene | 84 |
| Pyrene | 100 |
| Chrysene | 89 |
| Benzo(a)anthracene | 90 |
| Benzo(b)fluoranthene | 108 |
| Benzo(k)fluoranthene | 107 |
| Benzo(a)pyrene | 102 |
| Indeno(1,2,3-c,d)pyrene | 78 |
| Dibenz(a,h)anthracene | 92 |
| Benzo(g,h,i)perylene | 97 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 88 | 70-130 |
| Pyrene-d10 | 100 | 70-130 |
| Benzo(a)pyrene-d12 | 103 | 70-130 |
| Fluoranthene-d10 | 85 | 70-130 |

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**Client Sample ID: LCS**

**Lab ID#: 2203008-09A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12030403** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/4/22 11:45 AM** | |
| | | **Date of Extraction: 3/4/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 78 | 60-120 |
| 2-Methylnaphthalene | 84 | 60-120 |
| 2-Chloronaphthalene | 91 | 60-120 |
| Acenaphthylene | 86 | 60-120 |
| Acenaphthene | 80 | 60-120 |
| Fluorene | 76 | 60-120 |
| Phenanthrene | 84 | 60-120 |
| Anthracene | 60 | 60-120 |
| Fluoranthene | 91 | 60-120 |
| Pyrene | 96 | 60-120 |
| Chrysene | 91 | 60-120 |
| Benzo(a)anthracene | 92 | 60-120 |
| Benzo(b)fluoranthene | 105 | 60-120 |
| Benzo(k)fluoranthene | 101 | 60-120 |
| Benzo(a)pyrene | 101 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 81 | 60-120 |
| Dibenz(a,h)anthracene | 87 | 60-120 |
| Benzo(g,h,i)perylene | 87 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 74 | 60-120 |
| Pyrene-d10 | 92 | 60-120 |
| Benzo(a)pyrene-d12 | 106 | 50-150 |
| Fluoranthene-d10 | 83 | 50-150 |

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**Client Sample ID: LCSD**

**Lab ID#: 2203008-09AA**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12030404** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/4/22 12:15 PM** | |
| | | **Date of Extraction: 3/4/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 80 | 60-120 |
| 2-Methylnaphthalene | 100 | 60-120 |
| 2-Chloronaphthalene | 89 | 60-120 |
| Acenaphthylene | 96 | 60-120 |
| Acenaphthene | 88 | 60-120 |
| Fluorene | 94 | 60-120 |
| Phenanthrene | 93 | 60-120 |
| Anthracene | 62 | 60-120 |
| Fluoranthene | 96 | 60-120 |
| Pyrene | 111 | 60-120 |
| Chrysene | 101 | 60-120 |
| Benzo(a)anthracene | 105 | 60-120 |
| Benzo(b)fluoranthene | 124 Q | 60-120 |
| Benzo(k)fluoranthene | 115 | 60-120 |
| Benzo(a)pyrene | 111 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 84 | 60-120 |
| Dibenz(a,h)anthracene | 105 | 60-120 |
| Benzo(g,h,i)perylene | 104 | 60-120 |

Q = Exceeds Quality Control limits.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 88 | 60-120 |
| Pyrene-d10 | 106 | 60-120 |
| Benzo(a)pyrene-d12 | 120 | 50-150 |
| Fluoranthene-d10 | 91 | 50-150 |

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3/14/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th St.
Project #: 0529307
Workorder #: 2203079

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 3/3/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-13A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

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# WORK ORDER #: 2203079

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 012633-1107 |
| **FAX:** | | **PROJECT #** | 0529307 Champaign 5th St. |
| **DATE RECEIVED:** | 03/03/2022 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 03/14/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20220228-0302-SE-SAM1 | Modified TO-13A |
| 02A | 20220228-0302-NE-SAM2 | Modified TO-13A |
| 03A | 20220228-0302-SE-SAM3 | Modified TO-13A |
| 04A | 20220228-0302-NW-SAM4 | Modified TO-13A |
| 05A | 20220228-0302-SW-SAM5 | Modified TO-13A |
| 06A | 20220228-0302-SAM6 | Modified TO-13A |
| 07A | Lab Blank | Modified TO-13A |
| 08A | CCV | Modified TO-13A |
| 09A | LCS | Modified TO-13A |
| 09AA | LCSD | Modified TO-13A |

CERTIFIED BY: DATE: 03/14/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

*This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.*

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(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**Modified TO-13A**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2203079**

Six PUF/XAD Cartridge-Low Volume samples were received on March 03, 2022. The laboratory performed the analysis for polycyclic aromatic hydrocarbons in air by modified EPA Method TO-13A. The PUF/XAD samples were extracted using Pressurized Fluid Extraction (PFE) by EPA Method 3545A. The sample extract was then concentrated to 1.0 mL and analyzed by GC/MS in the full scan mode.

To meet the quality control objectives outlined in Method TO-13A, a field blank is required for each sampling episode. If field blanks are not provided to the laboratory, any attendant risk to data quality is the responsibility of the data user.

The frequency of matrix spikes are determined by the different monitoring programs. Matrix spikes are not included in the routine calibration specifications for TO-13A.

| ***Requirement*** | ***TO-13A*** | ***ATL Modifications*** |
|---|---|---|
| Initial Calibration | Calibration range: 0.1-2.5 ug/mL in Hexane | Calibration range: 1.0-500 ug/mL in Methylene chloride |
| Method Blank | <MDL | <Reporting limit |
| Surrogate Recoveries | 60-120% | 50-150% for Field Surrogates<br>Fluoranthene-d10 and Benzo(a)pyrene-d12 |

## Receiving Notes

There were no receiving discrepancies.

## Analytical Notes

The sample cartridges were pre-spiked with Fluoranthene-d10 and Benzo(a)Pyrene-d12 on 02/21/2022.

The recovery for Anthracene in the LCS and LCSD was outside the laboratory control limits. Due to the nature of PUF/XAD2 extraction, it is not possible to re-extract the associated samples. All other LCS and LCSD recoveries were within allowed limits.

## Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
E - Exceeds instrument calibration range.
Q - Exceeds quality control limits.
S - Saturated peak.
J - Estimated value.
B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

**Client Sample ID: 20220228-0302-SE-SAM1**

**Lab ID#: 2203079-01A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 7.2 |
| 2-Methylnaphthalene | 1.0 | 1.8 |

**Client Sample ID: 20220228-0302-NE-SAM2**

**Lab ID#: 2203079-02A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 9.6 |
| 2-Methylnaphthalene | 1.0 | 1.8 |

**Client Sample ID: 20220228-0302-SE-SAM3**

**Lab ID#: 2203079-03A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 6.8 |
| 2-Methylnaphthalene | 1.0 | 1.5 |

**Client Sample ID: 20220228-0302-NW-SAM4**

**Lab ID#: 2203079-04A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 5.7 |
| 2-Methylnaphthalene | 1.0 | 1.2 |

**Client Sample ID: 20220228-0302-SW-SAM5**

**Lab ID#: 2203079-05A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 4.9 |
| 2-Methylnaphthalene | 1.0 | 1.1 |

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# Summary of Detected Compounds
# MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

**Client Sample ID: 20220228-0302-SAM6**

**Lab ID#: 2203079-06A**

No Detections Were Found.

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**Client Sample ID: 20220228-0302-SE-SAM1**

**Lab ID#: 2203079-01A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12030824** | **Date of Collection: 3/2/22 8:42:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/8/22 06:05 PM** |
| | | **Date of Extraction: 3/7/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 7.2 |
| 2-Methylnaphthalene | 1.0 | 1.8 |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 80 | 60-120 |
| Pyrene-d10 | 86 | 60-120 |
| Benzo(a)pyrene-d12 | 87 | 50-150 |
| Fluoranthene-d10 | 72 | 50-150 |

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**Client Sample ID: 20220228-0302-NE-SAM2**

**Lab ID#: 2203079-02A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12030825** | **Date of Collection: 3/2/22 8:31:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/8/22 06:35 PM** |
| | | **Date of Extraction: 3/7/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 9.6 |
| 2-Methylnaphthalene | 1.0 | 1.8 |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 87 | 60-120 |
| Pyrene-d10 | 89 | 60-120 |
| Benzo(a)pyrene-d12 | 99 | 50-150 |
| Fluoranthene-d10 | 83 | 50-150 |

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**Client Sample ID: 20220228-0302-SE-SAM3**

**Lab ID#: 2203079-03A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12030826** | **Date of Collection: 3/2/22 8:37:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/8/22 07:05 PM** |
| | | **Date of Extraction: 3/7/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 6.8 |
| 2-Methylnaphthalene | 1.0 | 1.5 |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 81 | 60-120 |
| Pyrene-d10 | 91 | 60-120 |
| Benzo(a)pyrene-d12 | 90 | 50-150 |
| Fluoranthene-d10 | 80 | 50-150 |

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**Client Sample ID: 20220228-0302-NW-SAM4**

**Lab ID#: 2203079-04A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12030827** | **Date of Collection: 3/2/22 8:54:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/8/22 07:35 PM** |
| | | **Date of Extraction: 3/7/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 5.7 |
| 2-Methylnaphthalene | 1.0 | 1.2 |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 74 | 60-120 |
| Pyrene-d10 | 77 | 60-120 |
| Benzo(a)pyrene-d12 | 82 | 50-150 |
| Fluoranthene-d10 | 69 | 50-150 |

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**Client Sample ID: 20220228-0302-SW-SAM5**

**Lab ID#: 2203079-05A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12030828** | **Date of Collection: 3/2/22 8:47:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/8/22 08:05 PM** |
| | | **Date of Extraction: 3/7/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 4.9 |
| 2-Methylnaphthalene | 1.0 | 1.1 |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 82 | 60-120 |
| Pyrene-d10 | 95 | 60-120 |
| Benzo(a)pyrene-d12 | 93 | 50-150 |
| Fluoranthene-d10 | 75 | 50-150 |

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**Client Sample ID: 20220228-0302-SAM6**

**Lab ID#: 2203079-06A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12030829** | **Date of Collection: 3/2/22 9:02:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/8/22 08:35 PM** |
| | | **Date of Extraction: 3/7/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 75 | 60-120 |
| Pyrene-d10 | 90 | 60-120 |
| Benzo(a)pyrene-d12 | 103 | 50-150 |
| Fluoranthene-d10 | 84 | 50-150 |

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**Client Sample ID: Lab Blank**

**Lab ID#: 2203079-07A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12030810** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/8/22 11:03 AM** | |
| | | **Date of Extraction: 3/7/22** | |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 89 | 60-120 |
| Pyrene-d10 | 90 | 60-120 |
| Benzo(a)pyrene-d12 | 111 | 50-150 |
| Fluoranthene-d10 | 92 | 50-150 |

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**Client Sample ID: CCV**

**Lab ID#: 2203079-08A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12030807** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/8/22 09:33 AM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 87 |
| 2-Methylnaphthalene | 95 |
| 2-Chloronaphthalene | 92 |
| Acenaphthylene | 90 |
| Acenaphthene | 87 |
| Fluorene | 93 |
| Phenanthrene | 91 |
| Anthracene | 88 |
| Fluoranthene | 101 |
| Pyrene | 93 |
| Chrysene | 95 |
| Benzo(a)anthracene | 93 |
| Benzo(b)fluoranthene | 104 |
| Benzo(k)fluoranthene | 105 |
| Benzo(a)pyrene | 106 |
| Indeno(1,2,3-c,d)pyrene | 115 |
| Dibenz(a,h)anthracene | 112 |
| Benzo(g,h,i)perylene | 116 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 93 | 70-130 |
| Pyrene-d10 | 91 | 70-130 |
| Benzo(a)pyrene-d12 | 106 | 70-130 |
| Fluoranthene-d10 | 100 | 70-130 |

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**Client Sample ID: LCS**

**Lab ID#: 2203079-09A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12030808** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/8/22 10:03 AM** | |
| | | **Date of Extraction: 3/7/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 79 | 60-120 |
| 2-Methylnaphthalene | 93 | 60-120 |
| 2-Chloronaphthalene | 90 | 60-120 |
| Acenaphthylene | 88 | 60-120 |
| Acenaphthene | 85 | 60-120 |
| Fluorene | 90 | 60-120 |
| Phenanthrene | 89 | 60-120 |
| Anthracene | 58 Q | 60-120 |
| Fluoranthene | 98 | 60-120 |
| Pyrene | 98 | 60-120 |
| Chrysene | 98 | 60-120 |
| Benzo(a)anthracene | 98 | 60-120 |
| Benzo(b)fluoranthene | 118 | 60-120 |
| Benzo(k)fluoranthene | 101 | 60-120 |
| Benzo(a)pyrene | 107 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 113 | 60-120 |
| Dibenz(a,h)anthracene | 113 | 60-120 |
| Benzo(g,h,i)perylene | 115 | 60-120 |

Q = Exceeds Quality Control limits.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 83 | 60-120 |
| Pyrene-d10 | 92 | 60-120 |
| Benzo(a)pyrene-d12 | 109 | 50-150 |
| Fluoranthene-d10 | 84 | 50-150 |

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**Client Sample ID: LCSD**

**Lab ID#: 2203079-09AA**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12030809** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/8/22 10:33 AM** | |
| | | **Date of Extraction: 3/7/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 74 | 60-120 |
| 2-Methylnaphthalene | 85 | 60-120 |
| 2-Chloronaphthalene | 85 | 60-120 |
| Acenaphthylene | 82 | 60-120 |
| Acenaphthene | 78 | 60-120 |
| Fluorene | 83 | 60-120 |
| Phenanthrene | 80 | 60-120 |
| Anthracene | 51 Q | 60-120 |
| Fluoranthene | 85 | 60-120 |
| Pyrene | 87 | 60-120 |
| Chrysene | 85 | 60-120 |
| Benzo(a)anthracene | 86 | 60-120 |
| Benzo(b)fluoranthene | 96 | 60-120 |
| Benzo(k)fluoranthene | 93 | 60-120 |
| Benzo(a)pyrene | 93 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 96 | 60-120 |
| Dibenz(a,h)anthracene | 95 | 60-120 |
| Benzo(g,h,i)perylene | 98 | 60-120 |

Q = Exceeds Quality Control limits.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 76 | 60-120 |
| Pyrene-d10 | 81 | 60-120 |
| Benzo(a)pyrene-d12 | 92 | 50-150 |
| Fluoranthene-d10 | 74 | 50-150 |

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3/16/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th St.
Project #: 0529307
Workorder #: 2203184

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 3/8/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-13A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

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# WORK ORDER #: 2203184

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 012633-1107 |
| **FAX:** | | **PROJECT #** | 0529307 Champaign 5th St. |
| **DATE RECEIVED:** | 03/08/2022 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 03/16/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20220302-04-SE-SAM1 | Modified TO-13A |
| 02A | 20220302-04-NE-SAM2 | Modified TO-13A |
| 03A | 20220302-04-SE-SAM3 | Modified TO-13A |
| 04A | 20220302-04-NW-SAM4 | Modified TO-13A |
| 05A | 20220302-04-SW-SAM5 | Modified TO-13A |
| 06A | 20220302-04-SAM6 | Modified TO-13A |
| 07A | Lab Blank | Modified TO-13A |
| 08A | CCV | Modified TO-13A |
| 09A | LCS | Modified TO-13A |
| 09AA | LCSD | Modified TO-13A |

CERTIFIED BY: Heidi Hayes DATE: 03/16/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

*This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.*

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**Modified TO-13A**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2203184**

Six PUF/XAD Cartridge-Low Volume samples were received on March 08, 2022. The laboratory performed the analysis for polycyclic aromatic hydrocarbons in air by modified EPA Method TO-13A. The PUF/XAD samples were extracted using Pressurized Fluid Extraction (PFE) by EPA Method 3545A. The sample extract was then concentrated to 1.0 mL and analyzed by GC/MS in the full scan mode.

To meet the quality control objectives outlined in Method TO-13A, a field blank is required for each sampling episode. If field blanks are not provided to the laboratory, any attendant risk to data quality is the responsibility of the data user.

The frequency of matrix spikes are determined by the different monitoring programs. Matrix spikes are not included in the routine calibration specifications for TO-13A.

| ***Requirement*** | ***TO-13A*** | ***ATL Modifications*** |
|---|---|---|
| Initial Calibration | Calibration range: 0.1-2.5 ug/mL in Hexane | Calibration range: 1.0-500 ug/mL in Methylene chloride |
| Method Blank | <MDL | <Reporting limit |
| Surrogate Recoveries | 60-120% | 50-150% for Field Surrogates<br>Fluoranthene-d10 and Benzo(a)pyrene-d12 |

## Receiving Notes

There were no receiving discrepancies.

## Analytical Notes

The sample cartridges were pre-spiked with Fluoranthene-d10 and Benzo(a)Pyrene-d12 on 02/28/2022.

All Quality Control Limit exceedances and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

The recoveries for Benzo(b)fluoranthene and Benzo(a)pyrene in the LCSD were outside the laboratory control limits. Due to the nature of PUF/XAD2 extraction, it is not possible to re-extract the associated samples. All other LCSD recoveries were within allowed limits.

## Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
E - Exceeds instrument calibration range.
Q - Exceeds quality control limits.
S - Saturated peak.

J - Estimated value.
B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

**Client Sample ID: 20220302-04-SE-SAM1**

**Lab ID#: 2203184-01A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 6.6 |
| 2-Methylnaphthalene | 1.0 | 1.1 |

**Client Sample ID: 20220302-04-NE-SAM2**

**Lab ID#: 2203184-02A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 5.6 |
| 2-Methylnaphthalene | 1.0 | 1.0 |

**Client Sample ID: 20220302-04-SE-SAM3**

**Lab ID#: 2203184-03A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 6.2 |
| 2-Methylnaphthalene | 1.0 | 1.1 |

**Client Sample ID: 20220302-04-NW-SAM4**

**Lab ID#: 2203184-04A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 3.9 |

**Client Sample ID: 20220302-04-SW-SAM5**

**Lab ID#: 2203184-05A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 12 |
| 2-Methylnaphthalene | 1.0 | 2.1 |

**Client Sample ID: 20220302-04-SAM6**

**Lab ID#: 2203184-06A**

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# Summary of Detected Compounds
# MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

**Client Sample ID: 20220302-04-SAM6**

**Lab ID#: 2203184-06A**

No Detections Were Found.

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**Client Sample ID: 20220302-04-SE-SAM1**

**Lab ID#: 2203184-01A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12031122** | **Date of Collection: 3/4/22 8:40:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/12/22 12:37 AM** |
| | | **Date of Extraction: 3/11/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 6.6 |
| 2-Methylnaphthalene | 1.0 | 1.1 |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 84 | 60-120 |
| Pyrene-d10 | 99 | 60-120 |
| Benzo(a)pyrene-d12 | 110 | 50-150 |
| Fluoranthene-d10 | 82 | 50-150 |

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**Client Sample ID: 20220302-04-NE-SAM2**

**Lab ID#: 2203184-02A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12031123** | **Date of Collection: 3/4/22 8:30:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/12/22 01:07 AM** |
| | | **Date of Extraction: 3/11/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 5.6 |
| 2-Methylnaphthalene | 1.0 | 1.0 |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 90 | 60-120 |
| Pyrene-d10 | 103 | 60-120 |
| Benzo(a)pyrene-d12 | 110 | 50-150 |
| Fluoranthene-d10 | 89 | 50-150 |

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**Client Sample ID: 20220302-04-SE-SAM3**

**Lab ID#: 2203184-03A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12031124** | **Date of Collection: 3/4/22 8:36:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/12/22 01:37 AM** |
| | | **Date of Extraction: 3/11/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 6.2 |
| 2-Methylnaphthalene | 1.0 | 1.1 |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 86 | 60-120 |
| Pyrene-d10 | 101 | 60-120 |
| Benzo(a)pyrene-d12 | 105 | 50-150 |
| Fluoranthene-d10 | 85 | 50-150 |

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**Client Sample ID: 20220302-04-NW-SAM4**

**Lab ID#: 2203184-04A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12031125** | **Date of Collection: 3/4/22 8:50:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/12/22 02:07 AM** |
| | | **Date of Extraction: 3/11/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 3.9 |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 74 | 60-120 |
| Pyrene-d10 | 78 | 60-120 |
| Benzo(a)pyrene-d12 | 90 | 50-150 |
| Fluoranthene-d10 | 76 | 50-150 |

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**Client Sample ID: 20220302-04-SW-SAM5**

**Lab ID#: 2203184-05A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12031126** | **Date of Collection: 3/4/22 8:45:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/12/22 02:37 AM** |
| | | **Date of Extraction: 3/11/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 12 |
| 2-Methylnaphthalene | 1.0 | 2.1 |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 82 | 60-120 |
| Pyrene-d10 | 95 | 60-120 |
| Benzo(a)pyrene-d12 | 104 | 50-150 |
| Fluoranthene-d10 | 81 | 50-150 |

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**Client Sample ID: 20220302-04-SAM6**

**Lab ID#: 2203184-06A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12031127** | **Date of Collection: 3/4/22 8:55:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/12/22 03:07 AM** |
| | | **Date of Extraction: 3/11/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 69 | 60-120 |
| Pyrene-d10 | 80 | 60-120 |
| Benzo(a)pyrene-d12 | 79 | 50-150 |
| Fluoranthene-d10 | 68 | 50-150 |

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**Client Sample ID: Lab Blank**

**Lab ID#: 2203184-07A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12031107** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/11/22 05:09 PM** | |
| | | **Date of Extraction: 3/11/22** | |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 70 | 60-120 |
| Pyrene-d10 | 76 | 60-120 |
| Benzo(a)pyrene-d12 | 104 | 50-150 |
| Fluoranthene-d10 | 83 | 50-150 |

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**Client Sample ID: CCV**

**Lab ID#: 2203184-08A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12031104** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/11/22 03:38 PM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 95 |
| 2-Methylnaphthalene | 98 |
| 2-Chloronaphthalene | 104 |
| Acenaphthylene | 103 |
| Acenaphthene | 96 |
| Fluorene | 98 |
| Phenanthrene | 96 |
| Anthracene | 94 |
| Fluoranthene | 101 |
| Pyrene | 110 |
| Chrysene | 102 |
| Benzo(a)anthracene | 107 |
| Benzo(b)fluoranthene | 140 Q |
| Benzo(k)fluoranthene | 120 |
| Benzo(a)pyrene | 116 |
| Indeno(1,2,3-c,d)pyrene | 92 |
| Dibenz(a,h)anthracene | 106 |
| Benzo(g,h,i)perylene | 103 |

Q = Exceeds Quality Control limits.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 102 | 70-130 |
| Pyrene-d10 | 112 | 70-130 |
| Benzo(a)pyrene-d12 | 119 | 70-130 |
| Fluoranthene-d10 | 104 | 70-130 |

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**Client Sample ID: LCS**

**Lab ID#: 2203184-09A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12031105** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/11/22 04:08 PM** | |
| | | **Date of Extraction: 3/11/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 80 | 60-120 |
| 2-Methylnaphthalene | 91 | 60-120 |
| 2-Chloronaphthalene | 94 | 60-120 |
| Acenaphthylene | 91 | 60-120 |
| Acenaphthene | 86 | 60-120 |
| Fluorene | 91 | 60-120 |
| Phenanthrene | 91 | 60-120 |
| Anthracene | 68 | 60-120 |
| Fluoranthene | 98 | 60-120 |
| Pyrene | 112 | 60-120 |
| Chrysene | 100 | 60-120 |
| Benzo(a)anthracene | 105 | 60-120 |
| Benzo(b)fluoranthene | 120 | 60-120 |
| Benzo(k)fluoranthene | 102 | 60-120 |
| Benzo(a)pyrene | 112 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 86 | 60-120 |
| Dibenz(a,h)anthracene | 98 | 60-120 |
| Benzo(g,h,i)perylene | 98 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 81 | 60-120 |
| Pyrene-d10 | 99 | 60-120 |
| Benzo(a)pyrene-d12 | 108 | 50-150 |
| Fluoranthene-d10 | 82 | 50-150 |

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**Client Sample ID: LCSD**

**Lab ID#: 2203184-09AA**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12031106** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/11/22 04:38 PM** | |
| | | **Date of Extraction: 3/11/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 86 | 60-120 |
| 2-Methylnaphthalene | 98 | 60-120 |
| 2-Chloronaphthalene | 102 | 60-120 |
| Acenaphthylene | 98 | 60-120 |
| Acenaphthene | 91 | 60-120 |
| Fluorene | 96 | 60-120 |
| Phenanthrene | 94 | 60-120 |
| Anthracene | 68 | 60-120 |
| Fluoranthene | 102 | 60-120 |
| Pyrene | 105 | 60-120 |
| Chrysene | 100 | 60-120 |
| Benzo(a)anthracene | 107 | 60-120 |
| Benzo(b)fluoranthene | 133 Q | 60-120 |
| Benzo(k)fluoranthene | 116 | 60-120 |
| Benzo(a)pyrene | 121 Q | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 88 | 60-120 |
| Dibenz(a,h)anthracene | 100 | 60-120 |
| Benzo(g,h,i)perylene | 98 | 60-120 |

Q = Exceeds Quality Control limits.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 88 | 60-120 |
| Pyrene-d10 | 95 | 60-120 |
| Benzo(a)pyrene-d12 | 109 | 50-150 |
| Fluoranthene-d10 | 85 | 50-150 |

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3/18/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th Street
Project #: 0529307
Workorder #: 2203257

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 3/10/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-13A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

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# WORK ORDER #: 2203257

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 012633-1107 |
| **FAX:** | | **PROJECT #** | 0529307 Champaign 5th Street |
| **DATE RECEIVED:** | 03/10/2022 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 03/18/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20220307-09-SE-SAM1 | Modified TO-13A |
| 02A | 20220307-09-NE-SAM2 | Modified TO-13A |
| 03A | 20220307-09-SE-SAM3 | Modified TO-13A |
| 04A | 20220307-09-NW-SAM4 | Modified TO-13A |
| 05A | 20220307-09-SW-SAM5 | Modified TO-13A |
| 06A | 20220307-09-SAM6 | Modified TO-13A |
| 07A | Lab Blank | Modified TO-13A |
| 08A | CCV | Modified TO-13A |
| 09A | LCS | Modified TO-13A |
| 09AA | LCSD | Modified TO-13A |

CERTIFIED BY: DATE: 03/18/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

*This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.*

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**Modified TO-13A**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2203257**

Six PUF/XAD Cartridge-Low Volume samples were received on March 10, 2022. The laboratory performed the analysis for polycyclic aromatic hydrocarbons in air by modified EPA Method TO-13A. The PUF/XAD samples were extracted using Pressurized Fluid Extraction (PFE) by EPA Method 3545A. The sample extract was then concentrated to 1.0 mL and analyzed by GC/MS in the full scan mode.

To meet the quality control objectives outlined in Method TO-13A, a field blank is required for each sampling episode. If field blanks are not provided to the laboratory, any attendant risk to data quality is the responsibility of the data user.

The frequency of matrix spikes are determined by the different monitoring programs. Matrix spikes are not included in the routine calibration specifications for TO-13A.

| ***Requirement*** | ***TO-13A*** | ***ATL Modifications*** |
|---|---|---|
| Initial Calibration | Calibration range: 0.1-2.5 ug/mL in Hexane | Calibration range: 1.0-500 ug/mL in Methylene chloride |
| Method Blank | <MDL | <Reporting limit |
| Surrogate Recoveries | 60-120% | 50-150% for Field Surrogates<br>Fluoranthene-d10 and Benzo(a)pyrene-d12 |

## Receiving Notes

There were no receiving discrepancies.

## Analytical Notes

The sample cartridges were pre-spiked with Fluoranthene-d10 and Benzo(a)Pyrene-d12 on 01/03/2022 and 01/10/2022.

## Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
E - Exceeds instrument calibration range.
Q - Exceeds quality control limits.
S - Saturated peak.
J - Estimated value.
B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

**Client Sample ID: 20220307-09-SE-SAM1**

**Lab ID#: 2203257-01A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 2.5 |

**Client Sample ID: 20220307-09-NE-SAM2**

**Lab ID#: 2203257-02A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 3.5 |

**Client Sample ID: 20220307-09-SE-SAM3**

**Lab ID#: 2203257-03A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 2.5 |

**Client Sample ID: 20220307-09-NW-SAM4**

**Lab ID#: 2203257-04A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 1.1 |

**Client Sample ID: 20220307-09-SW-SAM5**

**Lab ID#: 2203257-05A**

No Detections Were Found.

**Client Sample ID: 20220307-09-SAM6**

**Lab ID#: 2203257-06A**

No Detections Were Found.

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**Client Sample ID: 20220307-09-SE-SAM1**

**Lab ID#: 2203257-01A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12031520** | **Date of Collection: 3/9/22 9:27:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/15/22 08:23 PM** |
| | | **Date of Extraction: 3/15/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 2.5 |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 84 | 60-120 |
| Pyrene-d10 | 100 | 60-120 |
| Benzo(a)pyrene-d12 | 103 | 50-150 |
| Fluoranthene-d10 | 88 | 50-150 |

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**Client Sample ID: 20220307-09-NE-SAM2**

**Lab ID#: 2203257-02A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12031521** | **Date of Collection: 3/9/22 9:14:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/15/22 08:53 PM** |
| | | **Date of Extraction: 3/15/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 3.5 |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 86 | 60-120 |
| Pyrene-d10 | 98 | 60-120 |
| Benzo(a)pyrene-d12 | 97 | 50-150 |
| Fluoranthene-d10 | 90 | 50-150 |

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**Client Sample ID: 20220307-09-SE-SAM3**

**Lab ID#: 2203257-03A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12031522** | **Date of Collection:** | **3/9/22 9:37:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis:** | **3/15/22 09:23 PM** |
| | | **Date of Extraction:** | **3/15/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 2.5 |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 79 | 60-120 |
| Pyrene-d10 | 99 | 60-120 |
| Benzo(a)pyrene-d12 | 88 | 50-150 |
| Fluoranthene-d10 | 75 | 50-150 |

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**Client Sample ID: 20220307-09-NW-SAM4**

**Lab ID#: 2203257-04A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12031523** | **Date of Collection:** | **3/9/22 9:53:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis:** | **3/15/22 09:53 PM** |
| | | **Date of Extraction:** | **3/15/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 1.1 |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 74 | 60-120 |
| Pyrene-d10 | 103 | 60-120 |
| Benzo(a)pyrene-d12 | 84 | 50-150 |
| Fluoranthene-d10 | 86 | 50-150 |

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**Client Sample ID: 20220307-09-SW-SAM5**

**Lab ID#: 2203257-05A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12031524** | **Date of Collection: 3/9/22 9:48:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/15/22 10:23 PM** |
| | | **Date of Extraction: 3/15/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 74 | 60-120 |
| Pyrene-d10 | 89 | 60-120 |
| Benzo(a)pyrene-d12 | 86 | 50-150 |
| Fluoranthene-d10 | 80 | 50-150 |

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**Client Sample ID: 20220307-09-SAM6**

**Lab ID#: 2203257-06A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12031525** | **Date of Collection: 3/9/22 10:12:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/15/22 10:53 PM** |
| | | **Date of Extraction: 3/15/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 91 | 60-120 |
| Pyrene-d10 | 87 | 60-120 |
| Benzo(a)pyrene-d12 | 101 | 50-150 |
| Fluoranthene-d10 | 85 | 50-150 |

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**Client Sample ID: Lab Blank**

**Lab ID#: 2203257-07A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12031506** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/15/22 01:21 PM** | |
| | | **Date of Extraction: 3/15/22** | |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 87 | 60-120 |
| Pyrene-d10 | 106 | 60-120 |
| Benzo(a)pyrene-d12 | 111 | 50-150 |
| Fluoranthene-d10 | 83 | 50-150 |

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**Client Sample ID: CCV**

**Lab ID#: 2203257-08A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12031503** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/15/22 11:51 AM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 88 |
| 2-Methylnaphthalene | 91 |
| 2-Chloronaphthalene | 96 |
| Acenaphthylene | 93 |
| Acenaphthene | 86 |
| Fluorene | 88 |
| Phenanthrene | 86 |
| Anthracene | 86 |
| Fluoranthene | 100 |
| Pyrene | 125 |
| Chrysene | 92 |
| Benzo(a)anthracene | 96 |
| Benzo(b)fluoranthene | 107 |
| Benzo(k)fluoranthene | 106 |
| Benzo(a)pyrene | 109 |
| Indeno(1,2,3-c,d)pyrene | 80 |
| Dibenz(a,h)anthracene | 96 |
| Benzo(g,h,i)perylene | 97 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 92 | 70-130 |
| Pyrene-d10 | 129 | 70-130 |
| Benzo(a)pyrene-d12 | 113 | 70-130 |
| Fluoranthene-d10 | 103 | 70-130 |

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**Client Sample ID: LCS**

**Lab ID#: 2203257-09A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12031504** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/15/22 12:21 PM** | |
| | | **Date of Extraction: 3/15/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 71 | 60-120 |
| 2-Methylnaphthalene | 79 | 60-120 |
| 2-Chloronaphthalene | 83 | 60-120 |
| Acenaphthylene | 80 | 60-120 |
| Acenaphthene | 73 | 60-120 |
| Fluorene | 77 | 60-120 |
| Phenanthrene | 76 | 60-120 |
| Anthracene | 74 | 60-120 |
| Fluoranthene | 78 | 60-120 |
| Pyrene | 95 | 60-120 |
| Chrysene | 83 | 60-120 |
| Benzo(a)anthracene | 87 | 60-120 |
| Benzo(b)fluoranthene | 103 | 60-120 |
| Benzo(k)fluoranthene | 95 | 60-120 |
| Benzo(a)pyrene | 92 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 68 | 60-120 |
| Dibenz(a,h)anthracene | 87 | 60-120 |
| Benzo(g,h,i)perylene | 88 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 83 | 60-120 |
| Pyrene-d10 | 107 | 60-120 |
| Benzo(a)pyrene-d12 | 110 | 50-150 |
| Fluoranthene-d10 | 82 | 50-150 |

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**Client Sample ID: LCSD**

**Lab ID#: 2203257-09AA**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12031505** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/15/22 12:51 PM** | |
| | | **Date of Extraction: 3/15/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 70 | 60-120 |
| 2-Methylnaphthalene | 77 | 60-120 |
| 2-Chloronaphthalene | 84 | 60-120 |
| Acenaphthylene | 81 | 60-120 |
| Acenaphthene | 75 | 60-120 |
| Fluorene | 78 | 60-120 |
| Phenanthrene | 79 | 60-120 |
| Anthracene | 76 | 60-120 |
| Fluoranthene | 96 | 60-120 |
| Pyrene | 103 | 60-120 |
| Chrysene | 84 | 60-120 |
| Benzo(a)anthracene | 89 | 60-120 |
| Benzo(b)fluoranthene | 104 | 60-120 |
| Benzo(k)fluoranthene | 97 | 60-120 |
| Benzo(a)pyrene | 95 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 69 | 60-120 |
| Dibenz(a,h)anthracene | 89 | 60-120 |
| Benzo(g,h,i)perylene | 91 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 83 | 60-120 |
| Pyrene-d10 | 111 | 60-120 |
| Benzo(a)pyrene-d12 | 108 | 50-150 |
| Fluoranthene-d10 | 90 | 50-150 |

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3/19/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th Street
Project #: 0529307
Workorder #: 2203359

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 3/15/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-13A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

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# WORK ORDER #: 2203359

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 012633-1107 |
| **FAX:** | | **PROJECT #** | 0529307 Champaign 5th Street |
| **DATE RECEIVED:** | 03/15/2022 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 03/19/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20220309-11-SE-SAM1 | Modified TO-13A |
| 02A | 20220309-11-NE-SAM2 | Modified TO-13A |
| 03A | 20220309-11-SE-SAM3 | Modified TO-13A |
| 04A | 20220309-11-NW-SAM4 | Modified TO-13A |
| 05A | 20220309-11-SW-SAM5 | Modified TO-13A |
| 06A | 20220309-11-SAM6 | Modified TO-13A |
| 07A | Lab Blank | Modified TO-13A |
| 08A | CCV | Modified TO-13A |
| 09A | LCS | Modified TO-13A |
| 09AA | LCSD | Modified TO-13A |

CERTIFIED BY: DATE: 03/19/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

*This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.*

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**Modified TO-13A**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2203359**

Six PUF/XAD Cartridge-Low Volume samples were received on March 15, 2022. The laboratory performed the analysis for polycyclic aromatic hydrocarbons in air by modified EPA Method TO-13A. The PUF/XAD samples were extracted using Pressurized Fluid Extraction (PFE) by EPA Method 3545A. The sample extract was then concentrated to 1.0 mL and analyzed by GC/MS in the full scan mode.

To meet the quality control objectives outlined in Method TO-13A, a field blank is required for each sampling episode. If field blanks are not provided to the laboratory, any attendant risk to data quality is the responsibility of the data user.

The frequency of matrix spikes are determined by the different monitoring programs. Matrix spikes are not included in the routine calibration specifications for TO-13A.

| ***Requirement*** | ***TO-13A*** | ***ATL Modifications*** |
|---|---|---|
| Initial Calibration | Calibration range: 0.1-2.5 ug/mL in Hexane | Calibration range: 1.0-500 ug/mL in Methylene chloride |
| Method Blank | <MDL | <Reporting limit |
| Surrogate Recoveries | 60-120% | 50-150% for Field Surrogates<br>Fluoranthene-d10 and Benzo(a)pyrene-d12 |

**Receiving Notes**

There were no receiving discrepancies.

**Analytical Notes**

The sample cartridges were pre-spiked with Fluoranthene-d10 and Benzo(a)Pyrene-d12 on 02/28/2022.

The recovery for Indeno(1,2,3-c,d)pyrene in the LCSD was outside the laboratory control limits. Due to the nature of PUF/XAD2 extraction, it is not possible to re-extract the associated samples. All other LCSD recoveries were within allowed limits.

The Relative Percent Difference (RPD) of the LCS/LCSD exceeded acceptance limits for 2-Chloronaphthalene, Pyrene and Indeno(1,2,3-c,d)pyrene.

Recovery of surrogate Pyrene-d10 was above specified control limits in samples 20220309-11-NE-SAM2 and Lab Blank. Data is reported as qualified.

**Definition of Data Qualifying Flags**

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
E - Exceeds instrument calibration range.
Q - Exceeds quality control limits.

S - Saturated peak.
J - Estimated value.
B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

**Client Sample ID: 20220309-11-SE-SAM1**

**Lab ID#: 2203359-01A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 5.1 |

**Client Sample ID: 20220309-11-NE-SAM2**

**Lab ID#: 2203359-02A**

No Detections Were Found.

**Client Sample ID: 20220309-11-SE-SAM3**

**Lab ID#: 2203359-03A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 4.2 |

**Client Sample ID: 20220309-11-NW-SAM4**

**Lab ID#: 2203359-04A**

No Detections Were Found.

**Client Sample ID: 20220309-11-SW-SAM5**

**Lab ID#: 2203359-05A**

No Detections Were Found.

**Client Sample ID: 20220309-11-SAM6**

**Lab ID#: 2203359-06A**

No Detections Were Found.

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**Client Sample ID: 20220309-11-SE-SAM1**

**Lab ID#: 2203359-01A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12031723** | **Date of Collection: 3/11/22 10:45:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/17/22 09:41 PM** |
| | | **Date of Extraction: 3/17/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 5.1 |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 81 | 60-120 |
| Pyrene-d10 | 97 | 60-120 |
| Benzo(a)pyrene-d12 | 97 | 50-150 |
| Fluoranthene-d10 | 76 | 50-150 |

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**Client Sample ID: 20220309-11-NE-SAM2**

**Lab ID#: 2203359-02A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12031724** | **Date of Collection: 3/11/22 11:14:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/17/22 10:11 PM** |
| | | **Date of Extraction: 3/17/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

Q = Exceeds Quality Control limits.

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 86 | 60-120 |
| Pyrene-d10 | 122 Q | 60-120 |
| Benzo(a)pyrene-d12 | 105 | 50-150 |
| Fluoranthene-d10 | 81 | 50-150 |

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**Client Sample ID: 20220309-11-SE-SAM3**

**Lab ID#: 2203359-03A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12031725** | **Date of Collection: 3/11/22 10:41:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/17/22 10:41 PM** |
| | | **Date of Extraction: 3/17/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 4.2 |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 72 | 60-120 |
| Pyrene-d10 | 80 | 60-120 |
| Benzo(a)pyrene-d12 | 84 | 50-150 |
| Fluoranthene-d10 | 72 | 50-150 |

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**Client Sample ID: 20220309-11-NW-SAM4**

**Lab ID#: 2203359-04A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12031726** | **Date of Collection: 3/11/22 11:01:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/17/22 11:11 PM** |
| | | **Date of Extraction: 3/17/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 69 | 60-120 |
| Pyrene-d10 | 77 | 60-120 |
| Benzo(a)pyrene-d12 | 79 | 50-150 |
| Fluoranthene-d10 | 64 | 50-150 |

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**Client Sample ID: 20220309-11-SW-SAM5**

**Lab ID#: 2203359-05A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12031727** | **Date of Collection: 3/11/22 10:52:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/17/22 11:41 PM** |
| | | **Date of Extraction: 3/17/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 84 | 60-120 |
| Pyrene-d10 | 92 | 60-120 |
| Benzo(a)pyrene-d12 | 102 | 50-150 |
| Fluoranthene-d10 | 82 | 50-150 |

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**Client Sample ID: 20220309-11-SAM6**

**Lab ID#: 2203359-06A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12031728** | **Date of Collection: 3/11/22 10:40:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/18/22 12:11 AM** |
| | | **Date of Extraction: 3/17/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 82 | 60-120 |
| Pyrene-d10 | 100 | 60-120 |
| Benzo(a)pyrene-d12 | 103 | 50-150 |
| Fluoranthene-d10 | 77 | 50-150 |

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**Client Sample ID: Lab Blank**

**Lab ID#: 2203359-07A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12031708** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/17/22 02:10 PM** | |
| | | **Date of Extraction: 3/17/22** | |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

Q = Exceeds Quality Control limits.

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 84 | 60-120 |
| Pyrene-d10 | 121 Q | 60-120 |
| Benzo(a)pyrene-d12 | 109 | 50-150 |
| Fluoranthene-d10 | 81 | 50-150 |

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**Client Sample ID: CCV**

**Lab ID#: 2203359-08A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12031705** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/17/22 12:40 PM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 94 |
| 2-Methylnaphthalene | 96 |
| 2-Chloronaphthalene | 104 |
| Acenaphthylene | 102 |
| Acenaphthene | 93 |
| Fluorene | 111 |
| Phenanthrene | 98 |
| Anthracene | 94 |
| Fluoranthene | 76 |
| Pyrene | 126 |
| Chrysene | 102 |
| Benzo(a)anthracene | 106 |
| Benzo(b)fluoranthene | 124 |
| Benzo(k)fluoranthene | 120 |
| Benzo(a)pyrene | 115 |
| Indeno(1,2,3-c,d)pyrene | 96 |
| Dibenz(a,h)anthracene | 115 |
| Benzo(g,h,i)perylene | 117 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 114 | 70-130 |
| Pyrene-d10 | 129 | 70-130 |
| Benzo(a)pyrene-d12 | 118 | 70-130 |
| Fluoranthene-d10 | 78 | 70-130 |

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**Client Sample ID: LCS**

**Lab ID#: 2203359-09A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12031706** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/17/22 01:10 PM** | |
| | | **Date of Extraction: 3/17/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 69 | 60-120 |
| 2-Methylnaphthalene | 74 | 60-120 |
| 2-Chloronaphthalene | 97 | 60-120 |
| Acenaphthylene | 87 | 60-120 |
| Acenaphthene | 73 | 60-120 |
| Fluorene | 74 | 60-120 |
| Phenanthrene | 77 | 60-120 |
| Anthracene | 70 | 60-120 |
| Fluoranthene | 77 | 60-120 |
| Pyrene | 106 | 60-120 |
| Chrysene | 81 | 60-120 |
| Benzo(a)anthracene | 85 | 60-120 |
| Benzo(b)fluoranthene | 99 | 60-120 |
| Benzo(k)fluoranthene | 87 | 60-120 |
| Benzo(a)pyrene | 91 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 86 | 60-120 |
| Dibenz(a,h)anthracene | 96 | 60-120 |
| Benzo(g,h,i)perylene | 97 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 76 | 60-120 |
| Pyrene-d10 | 112 | 60-120 |
| Benzo(a)pyrene-d12 | 109 | 50-150 |
| Fluoranthene-d10 | 81 | 50-150 |

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**Client Sample ID: LCSD**

**Lab ID#: 2203359-09AA**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12031707** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/17/22 01:40 PM** | |
| | | **Date of Extraction: 3/17/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 72 | 60-120 |
| 2-Methylnaphthalene | 80 | 60-120 |
| 2-Chloronaphthalene | 75 | 60-120 |
| Acenaphthylene | 83 | 60-120 |
| Acenaphthene | 82 | 60-120 |
| Fluorene | 81 | 60-120 |
| Phenanthrene | 73 | 60-120 |
| Anthracene | 70 | 60-120 |
| Fluoranthene | 81 | 60-120 |
| Pyrene | 78 | 60-120 |
| Chrysene | 78 | 60-120 |
| Benzo(a)anthracene | 84 | 60-120 |
| Benzo(b)fluoranthene | 100 | 60-120 |
| Benzo(k)fluoranthene | 90 | 60-120 |
| Benzo(a)pyrene | 88 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 57 Q | 60-120 |
| Dibenz(a,h)anthracene | 81 | 60-120 |
| Benzo(g,h,i)perylene | 82 | 60-120 |

Q = Exceeds Quality Control limits.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 84 | 60-120 |
| Pyrene-d10 | 81 | 60-120 |
| Benzo(a)pyrene-d12 | 102 | 50-150 |
| Fluoranthene-d10 | 80 | 50-150 |

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3/28/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th Street
Project #: 0529307
Workorder #: 2203451

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 3/17/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-13A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

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# WORK ORDER #: 2203451

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 012633-1107 |
| **FAX:** | | **PROJECT #** | 0529307 Champaign 5th Street |
| **DATE RECEIVED:** | 03/17/2022 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 03/28/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20220314-16-SE-SAM1 | Modified TO-13A |
| 02A | 20220314-16-NE-SAM2 | Modified TO-13A |
| 03A | 20220314-16-SE-SAM3 | Modified TO-13A |
| 04A | 20220314-16-NW-SAM4 | Modified TO-13A |
| 05A | 20220314-16-SW-SAM5 | Modified TO-13A |
| 06A | 20220314-16-SAM6 | Modified TO-13A |
| 07A | Lab Blank | Modified TO-13A |
| 08A | CCV | Modified TO-13A |
| 09A | LCS | Modified TO-13A |
| 09AA | LCSD | Modified TO-13A |

CERTIFIED BY: DATE: 03/28/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

*This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.*

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**Modified TO-13A**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2203451**

Six PUF/XAD Cartridge-Low Volume samples were received on March 17, 2022. The laboratory performed the analysis for polycyclic aromatic hydrocarbons in air by modified EPA Method TO-13A. The PUF/XAD samples were extracted using Pressurized Fluid Extraction (PFE) by EPA Method 3545A. The sample extract was then concentrated to 1.0 mL and analyzed by GC/MS in the full scan mode.

To meet the quality control objectives outlined in Method TO-13A, a field blank is required for each sampling episode. If field blanks are not provided to the laboratory, any attendant risk to data quality is the responsibility of the data user.

The frequency of matrix spikes are determined by the different monitoring programs. Matrix spikes are not included in the routine calibration specifications for TO-13A.

| ***Requirement*** | ***TO-13A*** | ***ATL Modifications*** |
|---|---|---|
| Initial Calibration | Calibration range: 0.1-2.5 ug/mL in Hexane | Calibration range: 1.0-500 ug/mL in Methylene chloride |
| Method Blank | <MDL | <Reporting limit |
| Surrogate Recoveries | 60-120% | 50-150% for Field Surrogates<br>Fluoranthene-d10 and Benzo(a)pyrene-d12 |

## Receiving Notes

There were no receiving discrepancies.

## Analytical Notes

The sample cartridges were pre-spiked with Fluoranthene-d10 and Benzo(a)Pyrene-d12 on 03/10/2022.

Recovery of surrogate Pyrene-d10 was above specified control limits in sample Lab Blank. Data is reported as qualified.

## Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
E - Exceeds instrument calibration range.
Q - Exceeds quality control limits.
S - Saturated peak.
J - Estimated value.
B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

**Client Sample ID: 20220314-16-SE-SAM1**

**Lab ID#: 2203451-01A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 2.5 |

**Client Sample ID: 20220314-16-NE-SAM2**

**Lab ID#: 2203451-02A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 4.4 |
| 2-Methylnaphthalene | 1.0 | 1.3 |

**Client Sample ID: 20220314-16-SE-SAM3**

**Lab ID#: 2203451-03A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 2.1 |

**Client Sample ID: 20220314-16-NW-SAM4**

**Lab ID#: 2203451-04A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 6.3 |
| 2-Methylnaphthalene | 1.0 | 1.2 |

**Client Sample ID: 20220314-16-SW-SAM5**

**Lab ID#: 2203451-05A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 2.3 |

**Client Sample ID: 20220314-16-SAM6**

**Lab ID#: 2203451-06A**

No Detections Were Found.

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**Client Sample ID: 20220314-16-SE-SAM1**

**Lab ID#: 2203451-01A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12032221** | **Date of Collection: 3/16/22 10:15:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/22/22 09:20 PM** |
| | | **Date of Extraction: 3/22/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 2.5 |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 76 | 60-120 |
| Pyrene-d10 | 104 | 60-120 |
| Benzo(a)pyrene-d12 | 86 | 50-150 |
| Fluoranthene-d10 | 61 | 50-150 |

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**Client Sample ID: 20220314-16-NE-SAM2**

**Lab ID#: 2203451-02A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12032222** | **Date of Collection: 3/16/22 10:33:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/22/22 09:50 PM** |
| | | **Date of Extraction: 3/22/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 4.4 |
| 2-Methylnaphthalene | 1.0 | 1.3 |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 63 | 60-120 |
| Pyrene-d10 | 105 | 60-120 |
| Benzo(a)pyrene-d12 | 86 | 50-150 |
| Fluoranthene-d10 | 72 | 50-150 |

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**Client Sample ID: 20220314-16-SE-SAM3**

**Lab ID#: 2203451-03A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12032223** | **Date of Collection: 3/16/22 10:06:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/22/22 10:20 PM** |
| | | **Date of Extraction: 3/22/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 2.1 |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 91 | 60-120 |
| Pyrene-d10 | 109 | 60-120 |
| Benzo(a)pyrene-d12 | 93 | 50-150 |
| Fluoranthene-d10 | 68 | 50-150 |

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**Client Sample ID: 20220314-16-NW-SAM4**

**Lab ID#: 2203451-04A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12032224** | **Date of Collection: 3/16/22 11:00:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/22/22 10:50 PM** |
| | | **Date of Extraction: 3/22/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 6.3 |
| 2-Methylnaphthalene | 1.0 | 1.2 |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 75 | 60-120 |
| Pyrene-d10 | 102 | 60-120 |
| Benzo(a)pyrene-d12 | 84 | 50-150 |
| Fluoranthene-d10 | 72 | 50-150 |

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**Client Sample ID: 20220314-16-SW-SAM5**

**Lab ID#: 2203451-05A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12032225** | **Date of Collection: 3/16/22 10:49:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/22/22 11:20 PM** |
| | | **Date of Extraction: 3/22/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 2.3 |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 85 | 60-120 |
| Pyrene-d10 | 119 | 60-120 |
| Benzo(a)pyrene-d12 | 95 | 50-150 |
| Fluoranthene-d10 | 89 | 50-150 |

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**Client Sample ID: 20220314-16-SAM6**

**Lab ID#: 2203451-06A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12032226** | **Date of Collection: 3/16/22 11:05:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/22/22 11:50 PM** |
| | | **Date of Extraction: 3/22/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 80 | 60-120 |
| Pyrene-d10 | 106 | 60-120 |
| Benzo(a)pyrene-d12 | 95 | 50-150 |
| Fluoranthene-d10 | 72 | 50-150 |

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**Client Sample ID: Lab Blank**

**Lab ID#: 2203451-07A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12032206** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/22/22 01:46 PM** | |
| | | **Date of Extraction: 3/22/22** | |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

Q = Exceeds Quality Control limits.

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 85 | 60-120 |
| Pyrene-d10 | 121 Q | 60-120 |
| Benzo(a)pyrene-d12 | 104 | 50-150 |
| Fluoranthene-d10 | 106 | 50-150 |

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**Client Sample ID: CCV**

**Lab ID#: 2203451-08A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12032203** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/22/22 12:15 PM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 89 |
| 2-Methylnaphthalene | 92 |
| 2-Chloronaphthalene | 98 |
| Acenaphthylene | 93 |
| Acenaphthene | 86 |
| Fluorene | 94 |
| Phenanthrene | 89 |
| Anthracene | 82 |
| Fluoranthene | 100 |
| Pyrene | 94 |
| Chrysene | 92 |
| Benzo(a)anthracene | 92 |
| Benzo(b)fluoranthene | 101 |
| Benzo(k)fluoranthene | 93 |
| Benzo(a)pyrene | 98 |
| Indeno(1,2,3-c,d)pyrene | 91 |
| Dibenz(a,h)anthracene | 91 |
| Benzo(g,h,i)perylene | 95 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 95 | 70-130 |
| Pyrene-d10 | 94 | 70-130 |
| Benzo(a)pyrene-d12 | 103 | 70-130 |
| Fluoranthene-d10 | 102 | 70-130 |

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**Client Sample ID: LCS**

**Lab ID#: 2203451-09A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12032204** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/22/22 12:45 PM** | |
| | | **Date of Extraction: 3/22/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 70 | 60-120 |
| 2-Methylnaphthalene | 79 | 60-120 |
| 2-Chloronaphthalene | 86 | 60-120 |
| Acenaphthylene | 82 | 60-120 |
| Acenaphthene | 76 | 60-120 |
| Fluorene | 81 | 60-120 |
| Phenanthrene | 82 | 60-120 |
| Anthracene | 67 | 60-120 |
| Fluoranthene | 88 | 60-120 |
| Pyrene | 96 | 60-120 |
| Chrysene | 88 | 60-120 |
| Benzo(a)anthracene | 92 | 60-120 |
| Benzo(b)fluoranthene | 110 | 60-120 |
| Benzo(k)fluoranthene | 99 | 60-120 |
| Benzo(a)pyrene | 98 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 75 | 60-120 |
| Dibenz(a,h)anthracene | 90 | 60-120 |
| Benzo(g,h,i)perylene | 95 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 81 | 60-120 |
| Pyrene-d10 | 99 | 60-120 |
| Benzo(a)pyrene-d12 | 109 | 50-150 |
| Fluoranthene-d10 | 85 | 50-150 |

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**Client Sample ID: LCSD**

**Lab ID#: 2203451-09AA**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12032205** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/22/22 01:16 PM** | |
| | | **Date of Extraction: 3/22/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 78 | 60-120 |
| 2-Methylnaphthalene | 85 | 60-120 |
| 2-Chloronaphthalene | 94 | 60-120 |
| Acenaphthylene | 86 | 60-120 |
| Acenaphthene | 79 | 60-120 |
| Fluorene | 85 | 60-120 |
| Phenanthrene | 83 | 60-120 |
| Anthracene | 68 | 60-120 |
| Fluoranthene | 108 | 60-120 |
| Pyrene | 112 | 60-120 |
| Chrysene | 88 | 60-120 |
| Benzo(a)anthracene | 91 | 60-120 |
| Benzo(b)fluoranthene | 110 | 60-120 |
| Benzo(k)fluoranthene | 94 | 60-120 |
| Benzo(a)pyrene | 96 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 72 | 60-120 |
| Dibenz(a,h)anthracene | 88 | 60-120 |
| Benzo(g,h,i)perylene | 91 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 82 | 60-120 |
| Pyrene-d10 | 109 | 60-120 |
| Benzo(a)pyrene-d12 | 105 | 50-150 |
| Fluoranthene-d10 | 104 | 50-150 |

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3/30/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th Street
Project #: 0529307
Workorder #: 2203578

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 3/22/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-13A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

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# WORK ORDER #: 2203578

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 012633-1107 |
| **FAX:** | | **PROJECT #** | 0529307 Champaign 5th Street |
| **DATE RECEIVED:** | 03/22/2022 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 03/30/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20220316-18-SE-SAM1 | Modified TO-13A |
| 02A | 20220316-18-NE-SAM2 | Modified TO-13A |
| 03A | 20220316-18-SE-SAM3 | Modified TO-13A |
| 04A | 20220316-18-NW-SAM4 | Modified TO-13A |
| 05A | 20220316-18-SW-SAM5 | Modified TO-13A |
| 06A | 20220316-18-SAM6 | Modified TO-13A |
| 07A | Lab Blank | Modified TO-13A |
| 08A | CCV | Modified TO-13A |
| 08B | CCV | Modified TO-13A |
| 09A | LCS | Modified TO-13A |
| 09AA | LCSD | Modified TO-13A |

CERTIFIED BY: DATE: 03/30/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

*This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.*

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**Modified TO-13A**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2203578**

Six PUF/XAD Cartridge-Low Volume samples were received on March 22, 2022. The laboratory performed the analysis for polycyclic aromatic hydrocarbons in air by modified EPA Method TO-13A. The PUF/XAD samples were extracted using Pressurized Fluid Extraction (PFE) by EPA Method 3545A. The sample extract was then concentrated to 1.0 mL and analyzed by GC/MS in the full scan mode.

To meet the quality control objectives outlined in Method TO-13A, a field blank is required for each sampling episode. If field blanks are not provided to the laboratory, any attendant risk to data quality is the responsibility of the data user.

The frequency of matrix spikes are determined by the different monitoring programs. Matrix spikes are not included in the routine calibration specifications for TO-13A.

| ***Requirement*** | ***TO-13A*** | ***ATL Modifications*** |
|---|---|---|
| Initial Calibration | Calibration range: 0.1-2.5 ug/mL in Hexane | Calibration range: 1.0-500 ug/mL in Methylene chloride |
| Method Blank | <MDL | <Reporting limit |
| Surrogate Recoveries | 60-120% | 50-150% for Field Surrogates<br>Fluoranthene-d10 and Benzo(a)pyrene-d12 |

## Receiving Notes

There were no receiving discrepancies.

## Analytical Notes

The sample cartridges were pre-spiked with Fluoranthene-d10 and Benzo(a)Pyrene-d12 on 03/10/2022.

## Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
E - Exceeds instrument calibration range.
Q - Exceeds quality control limits.
S - Saturated peak.
J - Estimated value.
B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

**Client Sample ID: 20220316-18-SE-SAM1**

**Lab ID#: 2203578-01A**

No Detections Were Found.

**Client Sample ID: 20220316-18-NE-SAM2**

**Lab ID#: 2203578-02A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 3.9 |

**Client Sample ID: 20220316-18-SE-SAM3**

**Lab ID#: 2203578-03A**

No Detections Were Found.

**Client Sample ID: 20220316-18-NW-SAM4**

**Lab ID#: 2203578-04A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 1.8 |

**Client Sample ID: 20220316-18-SW-SAM5**

**Lab ID#: 2203578-05A**

No Detections Were Found.

**Client Sample ID: 20220316-18-SAM6**

**Lab ID#: 2203578-06A**

No Detections Were Found.

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**Client Sample ID: 20220316-18-SE-SAM1**

**Lab ID#: 2203578-01A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12032824** | **Date of Collection: 3/18/22 10:21:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/28/22 06:59 PM** |
| | | **Date of Extraction: 3/25/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 74 | 60-120 |
| Pyrene-d10 | 79 | 60-120 |
| Benzo(a)pyrene-d12 | 91 | 50-150 |
| Fluoranthene-d10 | 78 | 50-150 |

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**Client Sample ID: 20220316-18-NE-SAM2**

**Lab ID#: 2203578-02A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12032825** | **Date of Collection: 3/18/22 10:45:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/28/22 07:29 PM** |
| | | **Date of Extraction: 3/25/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 3.9 |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 71 | 60-120 |
| Pyrene-d10 | 85 | 60-120 |
| Benzo(a)pyrene-d12 | 95 | 50-150 |
| Fluoranthene-d10 | 96 | 50-150 |

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**Client Sample ID: 20220316-18-SE-SAM3**

**Lab ID#: 2203578-03A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12032826** | **Date of Collection: 3/18/22 10:16:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/28/22 07:59 PM** |
| | | **Date of Extraction: 3/25/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 91 | 60-120 |
| Pyrene-d10 | 74 | 60-120 |
| Benzo(a)pyrene-d12 | 89 | 50-150 |
| Fluoranthene-d10 | 80 | 50-150 |

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**Client Sample ID: 20220316-18-NW-SAM4**

**Lab ID#: 2203578-04A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12032827** | **Date of Collection: 3/18/22 10:34:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/28/22 08:29 PM** |
| | | **Date of Extraction: 3/25/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 1.8 |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 82 | 60-120 |
| Pyrene-d10 | 77 | 60-120 |
| Benzo(a)pyrene-d12 | 93 | 50-150 |
| Fluoranthene-d10 | 82 | 50-150 |

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**Client Sample ID: 20220316-18-SW-SAM5**

**Lab ID#: 2203578-05A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12032828** | **Date of Collection: 3/18/22 10:28:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/28/22 08:59 PM** |
| | | **Date of Extraction: 3/25/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 72 | 60-120 |
| Pyrene-d10 | 68 | 60-120 |
| Benzo(a)pyrene-d12 | 91 | 50-150 |
| Fluoranthene-d10 | 76 | 50-150 |

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**Client Sample ID: 20220316-18-SAM6**

**Lab ID#: 2203578-06A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12032906** | **Date of Collection: 3/18/22 11:00:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/29/22 02:30 PM** |
| | | **Date of Extraction: 3/25/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 79 | 60-120 |
| Pyrene-d10 | 89 | 60-120 |
| Benzo(a)pyrene-d12 | 100 | 50-150 |
| Fluoranthene-d10 | 67 | 50-150 |

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**Client Sample ID: Lab Blank**

**Lab ID#: 2203578-07A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12032810** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/28/22 11:59 AM** | |
| | | **Date of Extraction: 3/25/22** | |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 71 | 60-120 |
| Pyrene-d10 | 72 | 60-120 |
| Benzo(a)pyrene-d12 | 101 | 50-150 |
| Fluoranthene-d10 | 81 | 50-150 |

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**Client Sample ID: CCV**

**Lab ID#: 2203578-08A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12032807** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/28/22 10:29 AM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 87 |
| 2-Methylnaphthalene | 92 |
| 2-Chloronaphthalene | 77 |
| Acenaphthylene | 93 |
| Acenaphthene | 88 |
| Fluorene | 89 |
| Phenanthrene | 87 |
| Anthracene | 82 |
| Fluoranthene | 95 |
| Pyrene | 78 |
| Chrysene | 89 |
| Benzo(a)anthracene | 92 |
| Benzo(b)fluoranthene | 122 |
| Benzo(k)fluoranthene | 105 |
| Benzo(a)pyrene | 99 |
| Indeno(1,2,3-c,d)pyrene | 98 |
| Dibenz(a,h)anthracene | 106 |
| Benzo(g,h,i)perylene | 108 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 94 | 70-130 |
| Pyrene-d10 | 79 | 70-130 |
| Benzo(a)pyrene-d12 | 101 | 70-130 |
| Fluoranthene-d10 | 93 | 70-130 |

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**Client Sample ID: CCV**

**Lab ID#: 2203578-08B**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12032902** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/29/22 12:30 PM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 89 |
| 2-Methylnaphthalene | 92 |
| 2-Chloronaphthalene | 99 |
| Acenaphthylene | 100 |
| Acenaphthene | 91 |
| Fluorene | 91 |
| Phenanthrene | 96 |
| Anthracene | 93 |
| Fluoranthene | 102 |
| Pyrene | 110 |
| Chrysene | 92 |
| Benzo(a)anthracene | 95 |
| Benzo(b)fluoranthene | 122 |
| Benzo(k)fluoranthene | 108 |
| Benzo(a)pyrene | 107 |
| Indeno(1,2,3-c,d)pyrene | 79 |
| Dibenz(a,h)anthracene | 94 |
| Benzo(g,h,i)perylene | 91 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 96 | 70-130 |
| Pyrene-d10 | 112 | 70-130 |
| Benzo(a)pyrene-d12 | 109 | 70-130 |
| Fluoranthene-d10 | 104 | 70-130 |

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**Client Sample ID: LCS**

**Lab ID#: 2203578-09A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12032808** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/28/22 10:59 AM** | |
| | | **Date of Extraction: 3/25/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 79 | 60-120 |
| 2-Methylnaphthalene | 89 | 60-120 |
| 2-Chloronaphthalene | 78 | 60-120 |
| Acenaphthylene | 87 | 60-120 |
| Acenaphthene | 82 | 60-120 |
| Fluorene | 85 | 60-120 |
| Phenanthrene | 86 | 60-120 |
| Anthracene | 65 | 60-120 |
| Fluoranthene | 90 | 60-120 |
| Pyrene | 81 | 60-120 |
| Chrysene | 90 | 60-120 |
| Benzo(a)anthracene | 95 | 60-120 |
| Benzo(b)fluoranthene | 120 | 60-120 |
| Benzo(k)fluoranthene | 104 | 60-120 |
| Benzo(a)pyrene | 99 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 97 | 60-120 |
| Dibenz(a,h)anthracene | 103 | 60-120 |
| Benzo(g,h,i)perylene | 103 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 86 | 60-120 |
| Pyrene-d10 | 80 | 60-120 |
| Benzo(a)pyrene-d12 | 102 | 50-150 |
| Fluoranthene-d10 | 81 | 50-150 |

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**Client Sample ID: LCSD**

**Lab ID#: 2203578-09AA**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12032809** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/28/22 11:29 AM** | |
| | | **Date of Extraction: 3/25/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 78 | 60-120 |
| 2-Methylnaphthalene | 87 | 60-120 |
| 2-Chloronaphthalene | 90 | 60-120 |
| Acenaphthylene | 87 | 60-120 |
| Acenaphthene | 82 | 60-120 |
| Fluorene | 72 | 60-120 |
| Phenanthrene | 83 | 60-120 |
| Anthracene | 63 | 60-120 |
| Fluoranthene | 89 | 60-120 |
| Pyrene | 77 | 60-120 |
| Chrysene | 87 | 60-120 |
| Benzo(a)anthracene | 92 | 60-120 |
| Benzo(b)fluoranthene | 100 | 60-120 |
| Benzo(k)fluoranthene | 100 | 60-120 |
| Benzo(a)pyrene | 98 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 92 | 60-120 |
| Dibenz(a,h)anthracene | 104 | 60-120 |
| Benzo(g,h,i)perylene | 106 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 69 | 60-120 |
| Pyrene-d10 | 74 | 60-120 |
| Benzo(a)pyrene-d12 | 102 | 50-150 |
| Fluoranthene-d10 | 80 | 50-150 |

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4/1/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th St.
Project #: 0529307
Workorder #: 2203656

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 3/24/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-13A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

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# WORK ORDER #: 2203656

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 012633-1107 |
| **FAX:** | | **PROJECT #** | 0529307 Champaign 5th St. |
| **DATE RECEIVED:** | 03/24/2022 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 04/01/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20220321-23-SE-SAM1 | Modified TO-13A |
| 02A | 20220321-23-NE-SAM2 | Modified TO-13A |
| 03A | 20220321-23-SE-SAM3 | Modified TO-13A |
| 04A | 20220321-23-NW-SAM4 | Modified TO-13A |
| 05A | 20220321-23-SW-SAM5 | Modified TO-13A |
| 06A | 20220321-23-SAM6 | Modified TO-13A |
| 07A | Lab Blank | Modified TO-13A |
| 08A | CCV | Modified TO-13A |
| 09A | LCS | Modified TO-13A |
| 09AA | LCSD | Modified TO-13A |

CERTIFIED BY: Heidi Hayes DATE: 04/01/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**Modified TO-13A**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2203656**

Six PUF/XAD Cartridge-Low Volume samples were received on March 24, 2022. The laboratory performed the analysis for polycyclic aromatic hydrocarbons in air by modified EPA Method TO-13A. The PUF/XAD samples were extracted using Pressurized Fluid Extraction (PFE) by EPA Method 3545A. The sample extract was then concentrated to 1.0 mL and analyzed by GC/MS in the full scan mode.

To meet the quality control objectives outlined in Method TO-13A, a field blank is required for each sampling episode. If field blanks are not provided to the laboratory, any attendant risk to data quality is the responsibility of the data user.

The frequency of matrix spikes are determined by the different monitoring programs. Matrix spikes are not included in the routine calibration specifications for TO-13A.

| ***Requirement*** | ***TO-13A*** | ***ATL Modifications*** |
|---|---|---|
| Initial Calibration | Calibration range: 0.1-2.5 ug/mL in Hexane | Calibration range: 1.0-500 ug/mL in Methylene chloride |
| Method Blank | <MDL | <Reporting limit |
| Surrogate Recoveries | 60-120% | 50-150% for Field Surrogates<br>Fluoranthene-d10 and Benzo(a)pyrene-d12 |

**Receiving Notes**

There were no receiving discrepancies.

**Analytical Notes**

The sample cartridges were pre-spiked with Fluoranthene-d10 and Benzo(a)Pyrene-d12 on 03/15/2022.

Recovery of surrogate Fluorene-d10 was below specified control limits in sample 20220321-23-SE-SAM3. Data is reported as qualified.

The recovery for Anthracene in the LCS was outside the laboratory control limits. Due to the nature of PUF/XAD2 extraction, it is not possible to re-extract the associated samples. All other LCS recoveries were within allowed limits.

**Definition of Data Qualifying Flags**

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
E - Exceeds instrument calibration range.
Q - Exceeds quality control limits.
S - Saturated peak.
J - Estimated value.
B - Compound present in laboratory blank greater than reporting limit (background subtraction not

performed).
U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

**Client Sample ID: 20220321-23-SE-SAM1**

**Lab ID#: 2203656-01A**

No Detections Were Found.

**Client Sample ID: 20220321-23-NE-SAM2**

**Lab ID#: 2203656-02A**

No Detections Were Found.

**Client Sample ID: 20220321-23-SE-SAM3**

**Lab ID#: 2203656-03A**

No Detections Were Found.

**Client Sample ID: 20220321-23-NW-SAM4**

**Lab ID#: 2203656-04A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 8.2 |
| 2-Methylnaphthalene | 1.0 | 1.2 |

**Client Sample ID: 20220321-23-SW-SAM5**

**Lab ID#: 2203656-05A**

No Detections Were Found.

**Client Sample ID: 20220321-23-SAM6**

**Lab ID#: 2203656-06A**

No Detections Were Found.

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**Client Sample ID: 20220321-23-SE-SAM1**

**Lab ID#: 2203656-01A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12032847** | **Date of Collection: 3/23/22 8:45:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/29/22 06:16 AM** |
| | | **Date of Extraction: 3/28/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 74 | 60-120 |
| Pyrene-d10 | 81 | 60-120 |
| Benzo(a)pyrene-d12 | 90 | 50-150 |
| Fluoranthene-d10 | 76 | 50-150 |

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**Client Sample ID: 20220321-23-NE-SAM2**

**Lab ID#: 2203656-02A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12032848** | **Date of Collection: 3/23/22 8:30:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/29/22 06:46 AM** |
| | | **Date of Extraction: 3/28/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 75 | 60-120 |
| Pyrene-d10 | 78 | 60-120 |
| Benzo(a)pyrene-d12 | 87 | 50-150 |
| Fluoranthene-d10 | 72 | 50-150 |

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**Client Sample ID: 20220321-23-SE-SAM3**

**Lab ID#: 2203656-03A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12032849** | **Date of Collection: 3/23/22 8:38:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/29/22 07:16 AM** |
| | | **Date of Extraction: 3/28/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

Q = Exceeds Quality Control limits.

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 59 Q | 60-120 |
| Pyrene-d10 | 64 | 60-120 |
| Benzo(a)pyrene-d12 | 73 | 50-150 |
| Fluoranthene-d10 | 64 | 50-150 |

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**Client Sample ID: 20220321-23-NW-SAM4**

**Lab ID#: 2203656-04A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12032850** | **Date of Collection: 3/23/22 8:58:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/29/22 07:46 AM** |
| | | **Date of Extraction: 3/28/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 8.2 |
| 2-Methylnaphthalene | 1.0 | 1.2 |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 93 | 60-120 |
| Pyrene-d10 | 83 | 60-120 |
| Benzo(a)pyrene-d12 | 91 | 50-150 |
| Fluoranthene-d10 | 65 | 50-150 |

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**Client Sample ID: 20220321-23-SW-SAM5**

**Lab ID#: 2203656-05A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12032851** | **Date of Collection: 3/23/22 8:53:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/29/22 08:16 AM** |
| | | **Date of Extraction: 3/28/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 82 | 60-120 |
| Pyrene-d10 | 85 | 60-120 |
| Benzo(a)pyrene-d12 | 90 | 50-150 |
| Fluoranthene-d10 | 78 | 50-150 |

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**Client Sample ID: 20220321-23-SAM6**

**Lab ID#: 2203656-06A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12032852** | **Date of Collection: 3/23/22 9:10:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/29/22 08:46 AM** |
| | | **Date of Extraction: 3/28/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 77 | 60-120 |
| Pyrene-d10 | 86 | 60-120 |
| Benzo(a)pyrene-d12 | 96 | 50-150 |
| Fluoranthene-d10 | 66 | 50-150 |

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**Client Sample ID: Lab Blank**

**Lab ID#: 2203656-07A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12032835** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/29/22 12:17 AM** | |
| | | **Date of Extraction: 3/28/22** | |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 97 | 60-120 |
| Pyrene-d10 | 86 | 60-120 |
| Benzo(a)pyrene-d12 | 106 | 50-150 |
| Fluoranthene-d10 | 74 | 50-150 |

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**Client Sample ID: CCV**

**Lab ID#: 2203656-08A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12032832** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/28/22 10:48 PM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 91 |
| 2-Methylnaphthalene | 95 |
| 2-Chloronaphthalene | 105 |
| Acenaphthylene | 101 |
| Acenaphthene | 97 |
| Fluorene | 98 |
| Phenanthrene | 93 |
| Anthracene | 84 |
| Fluoranthene | 84 |
| Pyrene | 91 |
| Chrysene | 93 |
| Benzo(a)anthracene | 97 |
| Benzo(b)fluoranthene | 106 |
| Benzo(k)fluoranthene | 95 |
| Benzo(a)pyrene | 107 |
| Indeno(1,2,3-c,d)pyrene | 94 |
| Dibenz(a,h)anthracene | 91 |
| Benzo(g,h,i)perylene | 88 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 100 | 70-130 |
| Pyrene-d10 | 96 | 70-130 |
| Benzo(a)pyrene-d12 | 110 | 70-130 |
| Fluoranthene-d10 | 86 | 70-130 |

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**Client Sample ID: LCS**

**Lab ID#: 2203656-09A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12032833** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/28/22 11:17 PM** | |
| | | **Date of Extraction: 3/28/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 70 | 60-120 |
| 2-Methylnaphthalene | 79 | 60-120 |
| 2-Chloronaphthalene | 69 | 60-120 |
| Acenaphthylene | 78 | 60-120 |
| Acenaphthene | 73 | 60-120 |
| Fluorene | 77 | 60-120 |
| Phenanthrene | 76 | 60-120 |
| Anthracene | 56 Q | 60-120 |
| Fluoranthene | 82 | 60-120 |
| Pyrene | 79 | 60-120 |
| Chrysene | 80 | 60-120 |
| Benzo(a)anthracene | 81 | 60-120 |
| Benzo(b)fluoranthene | 89 | 60-120 |
| Benzo(k)fluoranthene | 73 | 60-120 |
| Benzo(a)pyrene | 87 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 82 | 60-120 |
| Dibenz(a,h)anthracene | 76 | 60-120 |
| Benzo(g,h,i)perylene | 73 | 60-120 |

Q = Exceeds Quality Control limits.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 71 | 60-120 |
| Pyrene-d10 | 74 | 60-120 |
| Benzo(a)pyrene-d12 | 90 | 50-150 |
| Fluoranthene-d10 | 74 | 50-150 |

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**Client Sample ID: LCSD**

**Lab ID#: 2203656-09AA**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12032834** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/28/22 11:48 PM** | |
| | | **Date of Extraction: 3/28/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 77 | 60-120 |
| 2-Methylnaphthalene | 103 | 60-120 |
| 2-Chloronaphthalene | 86 | 60-120 |
| Acenaphthylene | 88 | 60-120 |
| Acenaphthene | 79 | 60-120 |
| Fluorene | 70 | 60-120 |
| Phenanthrene | 84 | 60-120 |
| Anthracene | 61 | 60-120 |
| Fluoranthene | 86 | 60-120 |
| Pyrene | 75 | 60-120 |
| Chrysene | 86 | 60-120 |
| Benzo(a)anthracene | 90 | 60-120 |
| Benzo(b)fluoranthene | 110 | 60-120 |
| Benzo(k)fluoranthene | 93 | 60-120 |
| Benzo(a)pyrene | 95 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 66 | 60-120 |
| Dibenz(a,h)anthracene | 88 | 60-120 |
| Benzo(g,h,i)perylene | 85 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 67 | 60-120 |
| Pyrene-d10 | 70 | 60-120 |
| Benzo(a)pyrene-d12 | 100 | 50-150 |
| Fluoranthene-d10 | 76 | 50-150 |

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4/6/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th St.
Project #: 0529307
Workorder #: 2203768

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 3/29/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-13A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

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# WORK ORDER #: 2203768

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 012633-1107 |
| **FAX:** | | **PROJECT #** | 0529307 Champaign 5th St. |
| **DATE RECEIVED:** | 03/29/2022 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 04/06/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20220323-25-SE-SAM1 | Modified TO-13A |
| 02A | 20220323-25-NE-SAM2 | Modified TO-13A |
| 03A | 20220323-25-SE-SAM3 | Modified TO-13A |
| 04A | 20220323-25-NW-SAM4 | Modified TO-13A |
| 05A | 20220323-25-SW-SAM5 | Modified TO-13A |
| 06A | 20220323-25-SAM6 | Modified TO-13A |
| 07A | Lab Blank | Modified TO-13A |
| 08A | CCV | Modified TO-13A |
| 09A | LCS | Modified TO-13A |
| 09AA | LCSD | Modified TO-13A |

CERTIFIED BY: DATE: 04/06/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**Modified TO-13A**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2203768**

Six PUF/XAD Cartridge-Low Volume samples were received on March 29, 2022. The laboratory performed the analysis for polycyclic aromatic hydrocarbons in air by modified EPA Method TO-13A. The PUF/XAD samples were extracted using Pressurized Fluid Extraction (PFE) by EPA Method 3545A. The sample extract was then concentrated to 1.0 mL and analyzed by GC/MS in the full scan mode.

To meet the quality control objectives outlined in Method TO-13A, a field blank is required for each sampling episode. If field blanks are not provided to the laboratory, any attendant risk to data quality is the responsibility of the data user.

The frequency of matrix spikes are determined by the different monitoring programs. Matrix spikes are not included in the routine calibration specifications for TO-13A.

| ***Requirement*** | ***TO-13A*** | ***ATL Modifications*** |
|---|---|---|
| Initial Calibration | Calibration range: 0.1-2.5 ug/mL in Hexane | Calibration range: 1.0-500 ug/mL in Methylene chloride |
| Method Blank | <MDL | <Reporting limit |
| Surrogate Recoveries | 60-120% | 50-150% for Field Surrogates<br>Fluoranthene-d10 and Benzo(a)pyrene-d12 |

## Receiving Notes

There were no receiving discrepancies.

## Analytical Notes

The sample cartridges were pre-spiked with Fluoranthene-d10 and Benzo(a)Pyrene-d12 on 03/22/2022.

The recoveries for Naphthalene and Indeno(1,2,3-c,d)pyrene in the LCS were outside the laboratory control limits. Due to the nature of PUF/XAD2 extraction, it is not possible to re-extract the associated samples. All other LCS recoveries were within allowed limits.

The recoveries for Fluorene and Indeno(1,2,3-c,d)pyrene in the LCSD were outside the laboratory control limits. Due to the nature of PUF/XAD2 extraction, it is not possible to re-extract the associated samples. All other LCSD recoveries were within allowed limits.

## Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
E - Exceeds instrument calibration range.
Q - Exceeds quality control limits.
S - Saturated peak.
J - Estimated value.

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

**Client Sample ID: 20220323-25-SE-SAM1**

**Lab ID#: 2203768-01A**

No Detections Were Found.

**Client Sample ID: 20220323-25-NE-SAM2**

**Lab ID#: 2203768-02A**

No Detections Were Found.

**Client Sample ID: 20220323-25-SE-SAM3**

**Lab ID#: 2203768-03A**

No Detections Were Found.

**Client Sample ID: 20220323-25-NW-SAM4**

**Lab ID#: 2203768-04A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 8.5 |
| 2-Methylnaphthalene | 1.0 | 1.2 |

**Client Sample ID: 20220323-25-SW-SAM5**

**Lab ID#: 2203768-05A**

No Detections Were Found.

**Client Sample ID: 20220323-25-SAM6**

**Lab ID#: 2203768-06A**

No Detections Were Found.

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**Client Sample ID: 20220323-25-SE-SAM1**

**Lab ID#: 2203768-01A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12033018** | **Date of Collection: 3/25/22 7:49:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/30/22 07:26 PM** |
| | | **Date of Extraction: 3/30/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 75 | 60-120 |
| Pyrene-d10 | 84 | 60-120 |
| Benzo(a)pyrene-d12 | 92 | 50-150 |
| Fluoranthene-d10 | 78 | 50-150 |

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**Client Sample ID: 20220323-25-NE-SAM2**

**Lab ID#: 2203768-02A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12033019** | **Date of Collection: 3/25/22 7:40:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/30/22 07:56 PM** |
| | | **Date of Extraction: 3/30/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 71 | 60-120 |
| Pyrene-d10 | 80 | 60-120 |
| Benzo(a)pyrene-d12 | 79 | 50-150 |
| Fluoranthene-d10 | 68 | 50-150 |

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**Client Sample ID: 20220323-25-SE-SAM3**

**Lab ID#: 2203768-03A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12033020** | **Date of Collection: 3/25/22 7:45:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/30/22 08:26 PM** |
| | | **Date of Extraction: 3/30/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 61 | 60-120 |
| Pyrene-d10 | 63 | 60-120 |
| Benzo(a)pyrene-d12 | 73 | 50-150 |
| Fluoranthene-d10 | 63 | 50-150 |

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**Client Sample ID: 20220323-25-NW-SAM4**

**Lab ID#: 2203768-04A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12033021** | **Date of Collection: 3/25/22 7:59:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/30/22 08:55 PM** |
| | | **Date of Extraction: 3/30/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 8.5 |
| 2-Methylnaphthalene | 1.0 | 1.2 |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 79 | 60-120 |
| Pyrene-d10 | 80 | 60-120 |
| Benzo(a)pyrene-d12 | 88 | 50-150 |
| Fluoranthene-d10 | 88 | 50-150 |

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**Client Sample ID: 20220323-25-SW-SAM5**

**Lab ID#: 2203768-05A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12033022** | **Date of Collection: 3/25/22 7:56:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/30/22 09:25 PM** |
| | | **Date of Extraction: 3/30/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 76 | 60-120 |
| Pyrene-d10 | 88 | 60-120 |
| Benzo(a)pyrene-d12 | 82 | 50-150 |
| Fluoranthene-d10 | 84 | 50-150 |

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**Client Sample ID: 20220323-25-SAM6**

**Lab ID#: 2203768-06A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12033023** | **Date of Collection: 3/25/22 8:10:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/30/22 09:55 PM** |
| | | **Date of Extraction: 3/30/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 80 | 60-120 |
| Pyrene-d10 | 82 | 60-120 |
| Benzo(a)pyrene-d12 | 97 | 50-150 |
| Fluoranthene-d10 | 82 | 50-150 |

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**Client Sample ID: Lab Blank**

**Lab ID#: 2203768-07A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12033006** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/30/22 01:27 PM** | |
| | | **Date of Extraction: 3/30/22** | |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 77 | 60-120 |
| Pyrene-d10 | 72 | 60-120 |
| Benzo(a)pyrene-d12 | 101 | 50-150 |
| Fluoranthene-d10 | 81 | 50-150 |

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**Client Sample ID: CCV**

**Lab ID#: 2203768-08A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12033003** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/30/22 11:57 AM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 94 |
| 2-Methylnaphthalene | 95 |
| 2-Chloronaphthalene | 101 |
| Acenaphthylene | 106 |
| Acenaphthene | 95 |
| Fluorene | 79 |
| Phenanthrene | 97 |
| Anthracene | 91 |
| Fluoranthene | 101 |
| Pyrene | 88 |
| Chrysene | 98 |
| Benzo(a)anthracene | 102 |
| Benzo(b)fluoranthene | 125 |
| Benzo(k)fluoranthene | 114 |
| Benzo(a)pyrene | 112 |
| Indeno(1,2,3-c,d)pyrene | 78 |
| Dibenz(a,h)anthracene | 99 |
| Benzo(g,h,i)perylene | 96 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 82 | 70-130 |
| Pyrene-d10 | 90 | 70-130 |
| Benzo(a)pyrene-d12 | 114 | 70-130 |
| Fluoranthene-d10 | 102 | 70-130 |

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**Client Sample ID: LCS**

**Lab ID#: 2203768-09A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12033004** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/30/22 12:27 PM** | |
| | | **Date of Extraction: 3/30/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 59 Q | 60-120 |
| 2-Methylnaphthalene | 67 | 60-120 |
| 2-Chloronaphthalene | 72 | 60-120 |
| Acenaphthylene | 70 | 60-120 |
| Acenaphthene | 62 | 60-120 |
| Fluorene | 69 | 60-120 |
| Phenanthrene | 65 | 60-120 |
| Anthracene | 71 | 60-120 |
| Fluoranthene | 62 | 60-120 |
| Pyrene | 70 | 60-120 |
| Chrysene | 68 | 60-120 |
| Benzo(a)anthracene | 70 | 60-120 |
| Benzo(b)fluoranthene | 73 | 60-120 |
| Benzo(k)fluoranthene | 72 | 60-120 |
| Benzo(a)pyrene | 78 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 59 Q | 60-120 |
| Dibenz(a,h)anthracene | 61 | 60-120 |
| Benzo(g,h,i)perylene | 61 | 60-120 |

Q = Exceeds Quality Control limits.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 72 | 60-120 |
| Pyrene-d10 | 74 | 60-120 |
| Benzo(a)pyrene-d12 | 91 | 50-150 |
| Fluoranthene-d10 | 63 | 50-150 |

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**Client Sample ID: LCSD**

**Lab ID#: 2203768-09AA**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12033005** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 3/30/22 12:57 PM** | |
| | | **Date of Extraction: 3/30/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 62 | 60-120 |
| 2-Methylnaphthalene | 68 | 60-120 |
| 2-Chloronaphthalene | 72 | 60-120 |
| Acenaphthylene | 68 | 60-120 |
| Acenaphthene | 61 | 60-120 |
| Fluorene | 57 Q | 60-120 |
| Phenanthrene | 69 | 60-120 |
| Anthracene | 68 | 60-120 |
| Fluoranthene | 73 | 60-120 |
| Pyrene | 68 | 60-120 |
| Chrysene | 73 | 60-120 |
| Benzo(a)anthracene | 77 | 60-120 |
| Benzo(b)fluoranthene | 90 | 60-120 |
| Benzo(k)fluoranthene | 87 | 60-120 |
| Benzo(a)pyrene | 84 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 58 Q | 60-120 |
| Dibenz(a,h)anthracene | 66 | 60-120 |
| Benzo(g,h,i)perylene | 65 | 60-120 |

Q = Exceeds Quality Control limits.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 62 | 60-120 |
| Pyrene-d10 | 70 | 60-120 |
| Benzo(a)pyrene-d12 | 102 | 50-150 |
| Fluoranthene-d10 | 77 | 50-150 |

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4/7/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th St.
Project #: 0529307
Workorder #: 2203854

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 3/31/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-13A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

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# WORK ORDER #: 2203854

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 012633-1107 |
| **FAX:** | | **PROJECT #** | 0529307 Champaign 5th St. |
| **DATE RECEIVED:** | 03/31/2022 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 04/07/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20220328-30-SE-SAM1 | Modified TO-13A |
| 02A | 20220328-30-NE-SAM2 | Modified TO-13A |
| 03A | 20220328-30-SE-SAM3 | Modified TO-13A |
| 04A | 20220328-30-NW-SAM4 | Modified TO-13A |
| 05A | 20220328-30-SW-SAM5 | Modified TO-13A |
| 06A | 20220328-30-SAM6 | Modified TO-13A |
| 07A | Lab Blank | Modified TO-13A |
| 08A | CCV | Modified TO-13A |
| 09A | LCS | Modified TO-13A |
| 09AA | LCSD | Modified TO-13A |

CERTIFIED BY: DATE: 04/07/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

*This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.*

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**Modified TO-13A**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2203854**

Six PUF/XAD Cartridge-Low Volume samples were received on March 31, 2022. The laboratory performed the analysis for polycyclic aromatic hydrocarbons in air by modified EPA Method TO-13A. The PUF/XAD samples were extracted using Pressurized Fluid Extraction (PFE) by EPA Method 3545A. The sample extract was then concentrated to 1.0 mL and analyzed by GC/MS in the full scan mode.

To meet the quality control objectives outlined in Method TO-13A, a field blank is required for each sampling episode. If field blanks are not provided to the laboratory, any attendant risk to data quality is the responsibility of the data user.

The frequency of matrix spikes are determined by the different monitoring programs. Matrix spikes are not included in the routine calibration specifications for TO-13A.

| ***Requirement*** | ***TO-13A*** | ***ATL Modifications*** |
|---|---|---|
| Initial Calibration | Calibration range: 0.1-2.5 ug/mL in Hexane | Calibration range: 1.0-500 ug/mL in Methylene chloride |
| Method Blank | <MDL | <Reporting limit |
| Surrogate Recoveries | 60-120% | 50-150% for Field Surrogates<br>Fluoranthene-d10 and Benzo(a)pyrene-d12 |

## Receiving Notes

A Temperature Blank was included with the shipment. Temperature was measured and was not within 4±2 °C. Coolant in the form of blue ice was present. Analysis proceeded.

## Analytical Notes

The sample cartridges were pre-spiked with Fluoranthene-d10 and Benzo(a)Pyrene-d12 on 03/22/2022.

The recovery for Acenaphthylene in the LCS was outside the laboratory control limits. Due to the nature of PUF/XAD2 extraction, it is not possible to re-extract the associated samples. All other LCS recoveries were within allowed limits.

The Relative Percent Difference (RPD) of the LCS/LCSD exceeded acceptance limits for Acenaphthylene.

## Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
E - Exceeds instrument calibration range.
Q - Exceeds quality control limits.
S - Saturated peak.

J - Estimated value.
B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

**Client Sample ID: 20220328-30-SE-SAM1**

**Lab ID#: 2203854-01A**

No Detections Were Found.

**Client Sample ID: 20220328-30-NE-SAM2**

**Lab ID#: 2203854-02A**

No Detections Were Found.

**Client Sample ID: 20220328-30-SE-SAM3**

**Lab ID#: 2203854-03A**

No Detections Were Found.

**Client Sample ID: 20220328-30-NW-SAM4**

**Lab ID#: 2203854-04A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 12 |
| 2-Methylnaphthalene | 1.0 | 1.8 |

**Client Sample ID: 20220328-30-SW-SAM5**

**Lab ID#: 2203854-05A**

No Detections Were Found.

**Client Sample ID: 20220328-30-SAM6**

**Lab ID#: 2203854-06A**

No Detections Were Found.

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**Client Sample ID: 20220328-30-SE-SAM1**

**Lab ID#: 2203854-01A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12040120** | **Date of Collection: 3/30/22 7:58:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/1/22 09:16 PM** |
| | | **Date of Extraction: 4/1/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 78 | 60-120 |
| Pyrene-d10 | 87 | 60-120 |
| Benzo(a)pyrene-d12 | 87 | 50-150 |
| Fluoranthene-d10 | 64 | 50-150 |

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**Client Sample ID: 20220328-30-NE-SAM2**

**Lab ID#: 2203854-02A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12040121** | **Date of Collection: 3/30/22 7:40:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/1/22 09:46 PM** |
| | | **Date of Extraction: 4/1/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 72 | 60-120 |
| Pyrene-d10 | 75 | 60-120 |
| Benzo(a)pyrene-d12 | 82 | 50-150 |
| Fluoranthene-d10 | 80 | 50-150 |

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**Client Sample ID: 20220328-30-SE-SAM3**

**Lab ID#: 2203854-03A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12040122** | **Date of Collection: 3/30/22 7:53:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/1/22 10:16 PM** |
| | | **Date of Extraction: 4/1/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 75 | 60-120 |
| Pyrene-d10 | 81 | 60-120 |
| Benzo(a)pyrene-d12 | 86 | 50-150 |
| Fluoranthene-d10 | 73 | 50-150 |

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**Client Sample ID: 20220328-30-NW-SAM4**

**Lab ID#: 2203854-04A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12040123** | **Date of Collection: 3/30/22 8:05:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/1/22 10:46 PM** |
| | | **Date of Extraction: 4/1/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 12 |
| 2-Methylnaphthalene | 1.0 | 1.8 |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 81 | 60-120 |
| Pyrene-d10 | 106 | 60-120 |
| Benzo(a)pyrene-d12 | 95 | 50-150 |
| Fluoranthene-d10 | 92 | 50-150 |

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**Client Sample ID: 20220328-30-SW-SAM5**

**Lab ID#: 2203854-05A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12040124** | **Date of Collection: 3/30/22 8:02:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/1/22 11:16 PM** |
| | | **Date of Extraction: 4/1/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 71 | 60-120 |
| Pyrene-d10 | 68 | 60-120 |
| Benzo(a)pyrene-d12 | 81 | 50-150 |
| Fluoranthene-d10 | 68 | 50-150 |

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**Client Sample ID: 20220328-30-SAM6**

**Lab ID#: 2203854-06A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12040125** | **Date of Collection: 3/30/22 8:07:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/1/22 11:46 PM** |
| | | **Date of Extraction: 4/1/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 78 | 60-120 |
| Pyrene-d10 | 74 | 60-120 |
| Benzo(a)pyrene-d12 | 91 | 50-150 |
| Fluoranthene-d10 | 73 | 50-150 |

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**Client Sample ID: Lab Blank**

**Lab ID#: 2203854-07A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12040106** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/1/22 02:17 PM** | |
| | | **Date of Extraction: 4/1/22** | |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 75 | 60-120 |
| Pyrene-d10 | 89 | 60-120 |
| Benzo(a)pyrene-d12 | 91 | 50-150 |
| Fluoranthene-d10 | 72 | 50-150 |

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**Client Sample ID: CCV**

**Lab ID#: 2203854-08A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12040103** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/1/22 12:47 PM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 87 |
| 2-Methylnaphthalene | 94 |
| 2-Chloronaphthalene | 94 |
| Acenaphthylene | 95 |
| Acenaphthene | 89 |
| Fluorene | 92 |
| Phenanthrene | 88 |
| Anthracene | 81 |
| Fluoranthene | 100 |
| Pyrene | 82 |
| Chrysene | 89 |
| Benzo(a)anthracene | 90 |
| Benzo(b)fluoranthene | 101 |
| Benzo(k)fluoranthene | 92 |
| Benzo(a)pyrene | 101 |
| Indeno(1,2,3-c,d)pyrene | 100 |
| Dibenz(a,h)anthracene | 84 |
| Benzo(g,h,i)perylene | 82 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 98 | 70-130 |
| Pyrene-d10 | 85 | 70-130 |
| Benzo(a)pyrene-d12 | 100 | 70-130 |
| Fluoranthene-d10 | 102 | 70-130 |

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**Client Sample ID: LCS**

**Lab ID#: 2203854-09A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12040104** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/1/22 01:17 PM** | |
| | | **Date of Extraction: 4/1/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 60 | 60-120 |
| 2-Methylnaphthalene | 69 | 60-120 |
| 2-Chloronaphthalene | 62 | 60-120 |
| Acenaphthylene | 58 Q | 60-120 |
| Acenaphthene | 64 | 60-120 |
| Fluorene | 70 | 60-120 |
| Phenanthrene | 70 | 60-120 |
| Anthracene | 75 | 60-120 |
| Fluoranthene | 64 | 60-120 |
| Pyrene | 76 | 60-120 |
| Chrysene | 75 | 60-120 |
| Benzo(a)anthracene | 77 | 60-120 |
| Benzo(b)fluoranthene | 80 | 60-120 |
| Benzo(k)fluoranthene | 82 | 60-120 |
| Benzo(a)pyrene | 85 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 65 | 60-120 |
| Dibenz(a,h)anthracene | 68 | 60-120 |
| Benzo(g,h,i)perylene | 67 | 60-120 |

Q = Exceeds Quality Control limits.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 70 | 60-120 |
| Pyrene-d10 | 73 | 60-120 |
| Benzo(a)pyrene-d12 | 90 | 50-150 |
| Fluoranthene-d10 | 61 | 50-150 |

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**Client Sample ID: LCSD**

**Lab ID#: 2203854-09AA**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12040105** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/1/22 01:47 PM** | |
| | | **Date of Extraction: 4/1/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 67 | 60-120 |
| 2-Methylnaphthalene | 74 | 60-120 |
| 2-Chloronaphthalene | 68 | 60-120 |
| Acenaphthylene | 76 | 60-120 |
| Acenaphthene | 69 | 60-120 |
| Fluorene | 74 | 60-120 |
| Phenanthrene | 75 | 60-120 |
| Anthracene | 69 | 60-120 |
| Fluoranthene | 65 | 60-120 |
| Pyrene | 83 | 60-120 |
| Chrysene | 77 | 60-120 |
| Benzo(a)anthracene | 81 | 60-120 |
| Benzo(b)fluoranthene | 92 | 60-120 |
| Benzo(k)fluoranthene | 94 | 60-120 |
| Benzo(a)pyrene | 85 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 62 | 60-120 |
| Dibenz(a,h)anthracene | 68 | 60-120 |
| Benzo(g,h,i)perylene | 67 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 74 | 60-120 |
| Pyrene-d10 | 88 | 60-120 |
| Benzo(a)pyrene-d12 | 98 | 50-150 |
| Fluoranthene-d10 | 65 | 50-150 |

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4/14/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th Street
Project #: 0529307-602
Workorder #: 2204086

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 4/5/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-13A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Kathleen Kaneko

Project Manager

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# WORK ORDER #: 2204086

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 012633-1107 |
| **FAX:** | | **PROJECT #** | 0529307-602 Champaign 5th Street |
| **DATE RECEIVED:** | 04/05/2022 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 04/14/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20220330-0401-SE-SAM1 | Modified TO-13A |
| 02A | 20220330-0401-NE-SAM2 | Modified TO-13A |
| 03A | 20220330-0401-SE-SAM3 | Modified TO-13A |
| 04A | 20220330-0401-NW-SAM4 | Modified TO-13A |
| 05A | 20220330-0401-SW-SAM5 | Modified TO-13A |
| 06A | 20220330-0401-SAM6 | Modified TO-13A |
| 07A | Lab Blank | Modified TO-13A |
| 08A | CCV | Modified TO-13A |
| 09A | LCS | Modified TO-13A |
| 09AA | LCSD | Modified TO-13A |

CERTIFIED BY: DATE: 04/14/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**Modified TO-13A**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2204086**

Six PUF/XAD Cartridge-Low Volume samples were received on April 05, 2022. The laboratory performed the analysis for polycyclic aromatic hydrocarbons in air by modified EPA Method TO-13A. The PUF/XAD samples were extracted using Pressurized Fluid Extraction (PFE) by EPA Method 3545A. The sample extract was then concentrated to 1.0 mL and analyzed by GC/MS in the full scan mode.

To meet the quality control objectives outlined in Method TO-13A, a field blank is required for each sampling episode. If field blanks are not provided to the laboratory, any attendant risk to data quality is the responsibility of the data user.

The frequency of matrix spikes are determined by the different monitoring programs. Matrix spikes are not included in the routine calibration specifications for TO-13A.

| ***Requirement*** | ***TO-13A*** | ***ATL Modifications*** |
|---|---|---|
| Initial Calibration | Calibration range: 0.1-2.5 ug/mL in Hexane | Calibration range: 1.0-500 ug/mL in Methylene chloride |
| Method Blank | <MDL | <Reporting limit |
| Surrogate Recoveries | 60-120% | 50-150% for Field Surrogates<br>Fluoranthene-d10 and Benzo(a)pyrene-d12 |

## Receiving Notes

There were no receiving discrepancies.

## Analytical Notes

The sample cartridges were pre-spiked with Fluoranthene-d10 and Benzo(a)Pyrene-d12 on 03/29/2022.

All Quality Control Limit exceedances and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

The recovery for Indeno(1,2,3-c,d)pyrene in the LCS and LCSD was outside the laboratory control limits. Due to the nature of PUF/XAD2 extraction, it is not possible to re-extract the associated samples. All other LCS and LCSD recoveries were within allowed limits.

## Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
E - Exceeds instrument calibration range.
Q - Exceeds quality control limits.
S - Saturated peak.

J - Estimated value.
B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

**Client Sample ID: 20220330-0401-SE-SAM1**

**Lab ID#: 2204086-01A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 2.8 |

**Client Sample ID: 20220330-0401-NE-SAM2**

**Lab ID#: 2204086-02A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 1.9 |

**Client Sample ID: 20220330-0401-SE-SAM3**

**Lab ID#: 2204086-03A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 2.0 |

**Client Sample ID: 20220330-0401-NW-SAM4**

**Lab ID#: 2204086-04A**

No Detections Were Found.

**Client Sample ID: 20220330-0401-SW-SAM5**

**Lab ID#: 2204086-05A**

No Detections Were Found.

**Client Sample ID: 20220330-0401-SAM6**

**Lab ID#: 2204086-06A**

No Detections Were Found.

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**Client Sample ID: 20220330-0401-SE-SAM1**

**Lab ID#: 2204086-01A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12040721** | **Date of Collection: 4/1/22 8:12:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/7/22 04:35 PM** |
| | | **Date of Extraction: 4/6/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 2.8 |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 66 | 60-120 |
| Pyrene-d10 | 78 | 60-120 |
| Benzo(a)pyrene-d12 | 68 | 50-150 |
| Fluoranthene-d10 | 59 | 50-150 |

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**Client Sample ID: 20220330-0401-NE-SAM2**

**Lab ID#: 2204086-02A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12040722** | **Date of Collection: 4/1/22 7:50:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/7/22 05:05 PM** |
| | | **Date of Extraction: 4/6/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 1.9 |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 75 | 60-120 |
| Pyrene-d10 | 90 | 60-120 |
| Benzo(a)pyrene-d12 | 80 | 50-150 |
| Fluoranthene-d10 | 68 | 50-150 |

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**Client Sample ID: 20220330-0401-SE-SAM3**

**Lab ID#: 2204086-03A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12040723** | **Date of Collection: 4/1/22 8:07:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/7/22 05:35 PM** |
| | | **Date of Extraction: 4/6/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 2.0 |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 72 | 60-120 |
| Pyrene-d10 | 81 | 60-120 |
| Benzo(a)pyrene-d12 | 73 | 50-150 |
| Fluoranthene-d10 | 65 | 50-150 |

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**Client Sample ID: 20220330-0401-NW-SAM4**

**Lab ID#: 2204086-04A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12040724** | **Date of Collection:** | **4/1/22 8:02:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis:** | **4/7/22 06:05 PM** |
| | | **Date of Extraction:** | **4/6/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 75 | 60-120 |
| Pyrene-d10 | 82 | 60-120 |
| Benzo(a)pyrene-d12 | 80 | 50-150 |
| Fluoranthene-d10 | 70 | 50-150 |

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**Client Sample ID: 20220330-0401-SW-SAM5**

**Lab ID#: 2204086-05A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12040725** | **Date of Collection: 4/1/22 7:54:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/7/22 06:35 PM** |
| | | **Date of Extraction: 4/6/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 72 | 60-120 |
| Pyrene-d10 | 80 | 60-120 |
| Benzo(a)pyrene-d12 | 80 | 50-150 |
| Fluoranthene-d10 | 70 | 50-150 |

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**Client Sample ID: 20220330-0401-SAM6**

**Lab ID#: 2204086-06A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12040726** | **Date of Collection: 4/1/22 8:15:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/7/22 07:05 PM** |
| | | **Date of Extraction: 4/6/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 67 | 60-120 |
| Pyrene-d10 | 80 | 60-120 |
| Benzo(a)pyrene-d12 | 75 | 50-150 |
| Fluoranthene-d10 | 65 | 50-150 |

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**Client Sample ID: Lab Blank**

**Lab ID#: 2204086-07A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12040706** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/7/22 09:06 AM** | |
| | | **Date of Extraction: 4/6/22** | |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 71 | 60-120 |
| Pyrene-d10 | 82 | 60-120 |
| Benzo(a)pyrene-d12 | 78 | 50-150 |
| Fluoranthene-d10 | 68 | 50-150 |

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**Client Sample ID: CCV**

**Lab ID#: 2204086-08A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12040703** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/7/22 07:36 AM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 98 |
| 2-Methylnaphthalene | 101 |
| 2-Chloronaphthalene | 110 |
| Acenaphthylene | 106 |
| Acenaphthene | 97 |
| Fluorene | 100 |
| Phenanthrene | 102 |
| Anthracene | 105 |
| Fluoranthene | 102 |
| Pyrene | 114 |
| Chrysene | 106 |
| Benzo(a)anthracene | 102 |
| Benzo(b)fluoranthene | 125 |
| Benzo(k)fluoranthene | 135 Q |
| Benzo(a)pyrene | 122 |
| Indeno(1,2,3-c,d)pyrene | 72 |
| Dibenz(a,h)anthracene | 98 |
| Benzo(g,h,i)perylene | 102 |

Q = Exceeds Quality Control limits.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 100 | 70-130 |
| Pyrene-d10 | 115 | 70-130 |
| Benzo(a)pyrene-d12 | 122 | 70-130 |
| Fluoranthene-d10 | 101 | 70-130 |

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**Client Sample ID: LCS**

**Lab ID#: 2204086-09A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12040704** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/7/22 08:06 AM** | |
| | | **Date of Extraction: 4/6/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 66 | 60-120 |
| 2-Methylnaphthalene | 72 | 60-120 |
| 2-Chloronaphthalene | 77 | 60-120 |
| Acenaphthylene | 72 | 60-120 |
| Acenaphthene | 66 | 60-120 |
| Fluorene | 71 | 60-120 |
| Phenanthrene | 69 | 60-120 |
| Anthracene | 66 | 60-120 |
| Fluoranthene | 70 | 60-120 |
| Pyrene | 90 | 60-120 |
| Chrysene | 75 | 60-120 |
| Benzo(a)anthracene | 76 | 60-120 |
| Benzo(b)fluoranthene | 88 | 60-120 |
| Benzo(k)fluoranthene | 84 | 60-120 |
| Benzo(a)pyrene | 79 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 53 Q | 60-120 |
| Dibenz(a,h)anthracene | 70 | 60-120 |
| Benzo(g,h,i)perylene | 73 | 60-120 |

Q = Exceeds Quality Control limits.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 71 | 60-120 |
| Pyrene-d10 | 92 | 60-120 |
| Benzo(a)pyrene-d12 | 86 | 50-150 |
| Fluoranthene-d10 | 67 | 50-150 |

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**Client Sample ID: LCSD**

**Lab ID#: 2204086-09AA**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12040705** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/7/22 08:36 AM** | |
| | | **Date of Extraction: 4/6/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 66 | 60-120 |
| 2-Methylnaphthalene | 72 | 60-120 |
| 2-Chloronaphthalene | 76 | 60-120 |
| Acenaphthylene | 70 | 60-120 |
| Acenaphthene | 64 | 60-120 |
| Fluorene | 70 | 60-120 |
| Phenanthrene | 69 | 60-120 |
| Anthracene | 68 | 60-120 |
| Fluoranthene | 79 | 60-120 |
| Pyrene | 93 | 60-120 |
| Chrysene | 73 | 60-120 |
| Benzo(a)anthracene | 75 | 60-120 |
| Benzo(b)fluoranthene | 78 | 60-120 |
| Benzo(k)fluoranthene | 75 | 60-120 |
| Benzo(a)pyrene | 80 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 54 Q | 60-120 |
| Dibenz(a,h)anthracene | 61 | 60-120 |
| Benzo(g,h,i)perylene | 63 | 60-120 |

Q = Exceeds Quality Control limits.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 71 | 60-120 |
| Pyrene-d10 | 95 | 60-120 |
| Benzo(a)pyrene-d12 | 83 | 50-150 |
| Fluoranthene-d10 | 77 | 50-150 |

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4/18/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th St.
Project #: 0529307
Workorder #: 2204157

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 4/7/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-13A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

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# WORK ORDER #: 2204157

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 012633-1107 |
| **FAX:** | | **PROJECT #** | 0529307 Champaign 5th St. |
| **DATE RECEIVED:** | 04/07/2022 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 04/18/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20220404-06-SE-SAM1 | Modified TO-13A |
| 02A | 20220404-06-NE-SAM2 | Modified TO-13A |
| 03A | 20220404-06-SE-SAM3 | Modified TO-13A |
| 04A | 20220404-06-NW-SAM4 | Modified TO-13A |
| 05A | 20220404-06-SW-SAM5 | Modified TO-13A |
| 06A | 20220404-06-SAM6 | Modified TO-13A |
| 07A | Lab Blank | Modified TO-13A |
| 08A | CCV | Modified TO-13A |
| 09A | LCS | Modified TO-13A |
| 09AA | LCSD | Modified TO-13A |

CERTIFIED BY: DATE: 04/18/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

*This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.*

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**Modified TO-13A**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2204157**

Six PUF/XAD Cartridge-Low Volume samples were received on April 07, 2022. The laboratory performed the analysis for polycyclic aromatic hydrocarbons in air by modified EPA Method TO-13A. The PUF/XAD samples were extracted using Pressurized Fluid Extraction (PFE) by EPA Method 3545A. The sample extract was then concentrated to 1.0 mL and analyzed by GC/MS in the full scan mode.

To meet the quality control objectives outlined in Method TO-13A, a field blank is required for each sampling episode. If field blanks are not provided to the laboratory, any attendant risk to data quality is the responsibility of the data user.

The frequency of matrix spikes are determined by the different monitoring programs. Matrix spikes are not included in the routine calibration specifications for TO-13A.

| ***Requirement*** | ***TO-13A*** | ***ATL Modifications*** |
|---|---|---|
| Initial Calibration | Calibration range: 0.1-2.5 ug/mL in Hexane | Calibration range: 1.0-500 ug/mL in Methylene chloride |
| Method Blank | <MDL | <Reporting limit |
| Surrogate Recoveries | 60-120% | 50-150% for Field Surrogates<br>Fluoranthene-d10 and Benzo(a)pyrene-d12 |

## Receiving Notes

There were no receiving discrepancies.

## Analytical Notes

The sample cartridges were pre-spiked with Fluoranthene-d10 and Benzo(a)Pyrene-d12 on 03/15/2022.

All Quality Control Limit exceedances and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

## Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
E - Exceeds instrument calibration range.
Q - Exceeds quality control limits.
S - Saturated peak.
J - Estimated value.
B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data

page for project specific U-flag definition.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

**Client Sample ID: 20220404-06-SE-SAM1**

**Lab ID#: 2204157-01A**

No Detections Were Found.

**Client Sample ID: 20220404-06-NE-SAM2**

**Lab ID#: 2204157-02A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 3.0 |

**Client Sample ID: 20220404-06-SE-SAM3**

**Lab ID#: 2204157-03A**

No Detections Were Found.

**Client Sample ID: 20220404-06-NW-SAM4**

**Lab ID#: 2204157-04A**

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 2.7 |

**Client Sample ID: 20220404-06-SW-SAM5**

**Lab ID#: 2204157-05A**

No Detections Were Found.

**Client Sample ID: 20220404-06-SAM6**

**Lab ID#: 2204157-06A**

No Detections Were Found.

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**Client Sample ID: 20220404-06-SE-SAM1**

**Lab ID#: 2204157-01A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12041115** | **Date of Collection: 4/6/22 10:05:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/11/22 04:38 PM** |
| | | **Date of Extraction: 4/8/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 72 | 60-120 |
| Pyrene-d10 | 89 | 60-120 |
| Benzo(a)pyrene-d12 | 83 | 50-150 |
| Fluoranthene-d10 | 72 | 50-150 |

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**Client Sample ID: 20220404-06-NE-SAM2**

**Lab ID#: 2204157-02A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12041116** | **Date of Collection: 4/6/22 11:14:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/11/22 05:08 PM** |
| | | **Date of Extraction: 4/8/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 3.0 |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 87 | 60-120 |
| Pyrene-d10 | 107 | 60-120 |
| Benzo(a)pyrene-d12 | 102 | 50-150 |
| Fluoranthene-d10 | 87 | 50-150 |

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**Client Sample ID: 20220404-06-SE-SAM3**

**Lab ID#: 2204157-03A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12041117** | **Date of Collection: 4/6/22 10:22:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/11/22 05:38 PM** |
| | | **Date of Extraction: 4/8/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 70 | 60-120 |
| Pyrene-d10 | 90 | 60-120 |
| Benzo(a)pyrene-d12 | 81 | 50-150 |
| Fluoranthene-d10 | 67 | 50-150 |

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**Client Sample ID: 20220404-06-NW-SAM4**

**Lab ID#: 2204157-04A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12041118** | **Date of Collection: 4/6/22 10:56:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/11/22 06:08 PM** |
| | | **Date of Extraction: 4/8/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | 2.7 |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 87 | 60-120 |
| Pyrene-d10 | 118 | 60-120 |
| Benzo(a)pyrene-d12 | 108 | 50-150 |
| Fluoranthene-d10 | 85 | 50-150 |

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**Client Sample ID: 20220404-06-SW-SAM5**

**Lab ID#: 2204157-05A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12041119** | **Date of Collection: 4/6/22 10:41:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/11/22 06:38 PM** |
| | | **Date of Extraction: 4/8/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 77 | 60-120 |
| Pyrene-d10 | 106 | 60-120 |
| Benzo(a)pyrene-d12 | 93 | 50-150 |
| Fluoranthene-d10 | 73 | 50-150 |

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**Client Sample ID: 20220404-06-SAM6**

**Lab ID#: 2204157-06A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12041120** | **Date of Collection: 4/6/22 11:25:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/11/22 07:08 PM** |
| | | **Date of Extraction: 4/8/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 83 | 60-120 |
| Pyrene-d10 | 111 | 60-120 |
| Benzo(a)pyrene-d12 | 102 | 50-150 |
| Fluoranthene-d10 | 78 | 50-150 |

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**Client Sample ID: Lab Blank**

**Lab ID#: 2204157-07A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12041105** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/11/22 11:38 AM** | |
| | | **Date of Extraction: 4/8/22** | |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 85 | 60-120 |
| Pyrene-d10 | 116 | 60-120 |
| Benzo(a)pyrene-d12 | 110 | 50-150 |
| Fluoranthene-d10 | 79 | 50-150 |

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**Client Sample ID: CCV**

**Lab ID#: 2204157-08A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12041102** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/11/22 10:08 AM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 100 |
| 2-Methylnaphthalene | 101 |
| 2-Chloronaphthalene | 108 |
| Acenaphthylene | 103 |
| Acenaphthene | 95 |
| Fluorene | 101 |
| Phenanthrene | 98 |
| Anthracene | 101 |
| Fluoranthene | 107 |
| Pyrene | 112 |
| Chrysene | 107 |
| Benzo(a)anthracene | 99 |
| Benzo(b)fluoranthene | 120 |
| Benzo(k)fluoranthene | 132 Q |
| Benzo(a)pyrene | 120 |
| Indeno(1,2,3-c,d)pyrene | 79 |
| Dibenz(a,h)anthracene | 96 |
| Benzo(g,h,i)perylene | 108 |

Q = Exceeds Quality Control limits.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 102 | 70-130 |
| Pyrene-d10 | 111 | 70-130 |
| Benzo(a)pyrene-d12 | 120 | 70-130 |
| Fluoranthene-d10 | 105 | 70-130 |

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**Client Sample ID: LCS**

**Lab ID#: 2204157-09A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12041103** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/11/22 10:38 AM** | |
| | | **Date of Extraction: 4/8/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 76 | 60-120 |
| 2-Methylnaphthalene | 86 | 60-120 |
| 2-Chloronaphthalene | 91 | 60-120 |
| Acenaphthylene | 85 | 60-120 |
| Acenaphthene | 77 | 60-120 |
| Fluorene | 87 | 60-120 |
| Phenanthrene | 86 | 60-120 |
| Anthracene | 80 | 60-120 |
| Fluoranthene | 91 | 60-120 |
| Pyrene | 104 | 60-120 |
| Chrysene | 96 | 60-120 |
| Benzo(a)anthracene | 93 | 60-120 |
| Benzo(b)fluoranthene | 120 | 60-120 |
| Benzo(k)fluoranthene | 118 | 60-120 |
| Benzo(a)pyrene | 111 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 74 | 60-120 |
| Dibenz(a,h)anthracene | 95 | 60-120 |
| Benzo(g,h,i)perylene | 100 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 88 | 60-120 |
| Pyrene-d10 | 104 | 60-120 |
| Benzo(a)pyrene-d12 | 124 | 50-150 |
| Fluoranthene-d10 | 91 | 50-150 |

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**Client Sample ID: LCSD**

**Lab ID#: 2204157-09AA**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12041104** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/11/22 11:08 AM** | |
| | | **Date of Extraction: 4/8/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 71 | 60-120 |
| 2-Methylnaphthalene | 80 | 60-120 |
| 2-Chloronaphthalene | 86 | 60-120 |
| Acenaphthylene | 80 | 60-120 |
| Acenaphthene | 73 | 60-120 |
| Fluorene | 82 | 60-120 |
| Phenanthrene | 82 | 60-120 |
| Anthracene | 77 | 60-120 |
| Fluoranthene | 85 | 60-120 |
| Pyrene | 100 | 60-120 |
| Chrysene | 91 | 60-120 |
| Benzo(a)anthracene | 90 | 60-120 |
| Benzo(b)fluoranthene | 111 | 60-120 |
| Benzo(k)fluoranthene | 107 | 60-120 |
| Benzo(a)pyrene | 102 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 65 | 60-120 |
| Dibenz(a,h)anthracene | 84 | 60-120 |
| Benzo(g,h,i)perylene | 89 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 81 | 60-120 |
| Pyrene-d10 | 101 | 60-120 |
| Benzo(a)pyrene-d12 | 114 | 50-150 |
| Fluoranthene-d10 | 86 | 50-150 |

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4/20/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th Street
Project #: 0529307
Workorder #: 2204260

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 4/12/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-13A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

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# WORK ORDER #: 2204260

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 012633-1107 |
| **FAX:** | | **PROJECT #** | 0529307 Champaign 5th Street |
| **DATE RECEIVED:** | 04/12/2022 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 04/20/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20220406-08-SE-SAM1 | Modified TO-13A |
| 02A | 20220406-08-NE-SAM2 | Modified TO-13A |
| 03A | 20220406-08-SE-SAM3 | Modified TO-13A |
| 04A | 20220406-08-NW-SAM4 | Modified TO-13A |
| 05A | 20220406-08-SW-SAM5 | Modified TO-13A |
| 06A | 20220406-08-SAM6 | Modified TO-13A |
| 07A | Lab Blank | Modified TO-13A |
| 08A | CCV | Modified TO-13A |
| 09A | LCS | Modified TO-13A |
| 09AA | LCSD | Modified TO-13A |

CERTIFIED BY: Heidi Hayes DATE: 04/20/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**Modified TO-13A**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2204260**

Six PUF/XAD Cartridge-Low Volume samples were received on April 12, 2022. The laboratory performed the analysis for polycyclic aromatic hydrocarbons in air by modified EPA Method TO-13A. The PUF/XAD samples were extracted using Pressurized Fluid Extraction (PFE) by EPA Method 3545A. The sample extract was then concentrated to 1.0 mL and analyzed by GC/MS in the full scan mode.

To meet the quality control objectives outlined in Method TO-13A, a field blank is required for each sampling episode. If field blanks are not provided to the laboratory, any attendant risk to data quality is the responsibility of the data user.

The frequency of matrix spikes are determined by the different monitoring programs. Matrix spikes are not included in the routine calibration specifications for TO-13A.

| ***Requirement*** | ***TO-13A*** | ***ATL Modifications*** |
|---|---|---|
| Initial Calibration | Calibration range: 0.1-2.5 ug/mL in Hexane | Calibration range: 1.0-500 ug/mL in Methylene chloride |
| Method Blank | <MDL | <Reporting limit |
| Surrogate Recoveries | 60-120% | 50-150% for Field Surrogates<br>Fluoranthene-d10 and Benzo(a)pyrene-d12 |

**Receiving Notes**

There were no receiving discrepancies.

**Analytical Notes**

The sample cartridges were pre-spiked with Fluoranthene-d10 and Benzo(a)Pyrene-d12 on 03/29/2022.

All Quality Control Limit exceedances and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

**Definition of Data Qualifying Flags**

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
E - Exceeds instrument calibration range.
Q - Exceeds quality control limits.
S - Saturated peak.
J - Estimated value.
B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data

page for project specific U-flag definition.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

**Client Sample ID: 20220406-08-SE-SAM1**

**Lab ID#: 2204260-01A**

No Detections Were Found.

**Client Sample ID: 20220406-08-NE-SAM2**

**Lab ID#: 2204260-02A**

No Detections Were Found.

**Client Sample ID: 20220406-08-SE-SAM3**

**Lab ID#: 2204260-03A**

No Detections Were Found.

**Client Sample ID: 20220406-08-NW-SAM4**

**Lab ID#: 2204260-04A**

No Detections Were Found.

**Client Sample ID: 20220406-08-SW-SAM5**

**Lab ID#: 2204260-05A**

No Detections Were Found.

**Client Sample ID: 20220406-08-SAM6**

**Lab ID#: 2204260-06A**

No Detections Were Found.

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**Client Sample ID: 20220406-08-SE-SAM1**

**Lab ID#: 2204260-01A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12041317** | **Date of Collection: 4/8/22 10:17:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/13/22 02:39 PM** |
| | | **Date of Extraction: 4/12/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 95 | 60-120 |
| Pyrene-d10 | 109 | 60-120 |
| Benzo(a)pyrene-d12 | 131 | 50-150 |
| Fluoranthene-d10 | 96 | 50-150 |

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**Client Sample ID: 20220406-08-NE-SAM2**

**Lab ID#: 2204260-02A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12041318** | **Date of Collection: 4/8/22 10:42:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/13/22 03:09 PM** |
| | | **Date of Extraction: 4/12/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 98 | 60-120 |
| Pyrene-d10 | 86 | 60-120 |
| Benzo(a)pyrene-d12 | 106 | 50-150 |
| Fluoranthene-d10 | 86 | 50-150 |

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**Client Sample ID: 20220406-08-SE-SAM3**

**Lab ID#: 2204260-03A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12041319** | **Date of Collection: 4/8/22 10:11:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/13/22 03:39 PM** |
| | | **Date of Extraction: 4/12/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 76 | 60-120 |
| Pyrene-d10 | 96 | 60-120 |
| Benzo(a)pyrene-d12 | 89 | 50-150 |
| Fluoranthene-d10 | 78 | 50-150 |

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**Client Sample ID: 20220406-08-NW-SAM4**

**Lab ID#: 2204260-04A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12041320** | **Date of Collection: 4/8/22 10:33:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/13/22 04:09 PM** |
| | | **Date of Extraction: 4/12/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 73 | 60-120 |
| Pyrene-d10 | 80 | 60-120 |
| Benzo(a)pyrene-d12 | 85 | 50-150 |
| Fluoranthene-d10 | 88 | 50-150 |

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**Client Sample ID: 20220406-08-SW-SAM5**

**Lab ID#: 2204260-05A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12041321** | **Date of Collection: 4/8/22 10:24:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/13/22 04:39 PM** |
| | | **Date of Extraction: 4/12/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 99 | 60-120 |
| Pyrene-d10 | 94 | 60-120 |
| Benzo(a)pyrene-d12 | 118 | 50-150 |
| Fluoranthene-d10 | 85 | 50-150 |

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**Client Sample ID: 20220406-08-SAM6**

**Lab ID#: 2204260-06A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12041322** | **Date of Collection: 4/8/22 10:05:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/13/22 05:09 PM** |
| | | **Date of Extraction: 4/12/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 86 | 60-120 |
| Pyrene-d10 | 93 | 60-120 |
| Benzo(a)pyrene-d12 | 114 | 50-150 |
| Fluoranthene-d10 | 72 | 50-150 |

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**Client Sample ID: Lab Blank**

**Lab ID#: 2204260-07A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12041306** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/13/22 09:10 AM** | |
| | | **Date of Extraction: 4/12/22** | |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 92 | 60-120 |
| Pyrene-d10 | 101 | 60-120 |
| Benzo(a)pyrene-d12 | 120 | 50-150 |
| Fluoranthene-d10 | 90 | 50-150 |

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**Client Sample ID: CCV**

**Lab ID#: 2204260-08A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12041303** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/13/22 07:40 AM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 98 |
| 2-Methylnaphthalene | 117 |
| 2-Chloronaphthalene | 127 |
| Acenaphthylene | 106 |
| Acenaphthene | 98 |
| Fluorene | 106 |
| Phenanthrene | 98 |
| Anthracene | 95 |
| Fluoranthene | 106 |
| Pyrene | 86 |
| Chrysene | 107 |
| Benzo(a)anthracene | 106 |
| Benzo(b)fluoranthene | 153 Q |
| Benzo(k)fluoranthene | 134 Q |
| Benzo(a)pyrene | 122 |
| Indeno(1,2,3-c,d)pyrene | 82 |
| Dibenz(a,h)anthracene | 109 |
| Benzo(g,h,i)perylene | 107 |

Q = Exceeds Quality Control limits.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 106 | 70-130 |
| Pyrene-d10 | 88 | 70-130 |
| Benzo(a)pyrene-d12 | 97 | 70-130 |
| Fluoranthene-d10 | 108 | 70-130 |

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**Client Sample ID: LCS**

**Lab ID#: 2204260-09A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12041304** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/13/22 08:10 AM** | |
| | | **Date of Extraction: 4/12/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 70 | 60-120 |
| 2-Methylnaphthalene | 83 | 60-120 |
| 2-Chloronaphthalene | 90 | 60-120 |
| Acenaphthylene | 79 | 60-120 |
| Acenaphthene | 72 | 60-120 |
| Fluorene | 80 | 60-120 |
| Phenanthrene | 82 | 60-120 |
| Anthracene | 70 | 60-120 |
| Fluoranthene | 82 | 60-120 |
| Pyrene | 93 | 60-120 |
| Chrysene | 85 | 60-120 |
| Benzo(a)anthracene | 88 | 60-120 |
| Benzo(b)fluoranthene | 93 | 60-120 |
| Benzo(k)fluoranthene | 80 | 60-120 |
| Benzo(a)pyrene | 94 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 101 | 60-120 |
| Dibenz(a,h)anthracene | 84 | 60-120 |
| Benzo(g,h,i)perylene | 84 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 77 | 60-120 |
| Pyrene-d10 | 87 | 60-120 |
| Benzo(a)pyrene-d12 | 100 | 50-150 |
| Fluoranthene-d10 | 78 | 50-150 |

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**Client Sample ID: LCSD**

**Lab ID#: 2204260-09AA**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12041305** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/13/22 08:40 AM** | |
| | | **Date of Extraction: 4/12/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 74 | 60-120 |
| 2-Methylnaphthalene | 78 | 60-120 |
| 2-Chloronaphthalene | 83 | 60-120 |
| Acenaphthylene | 80 | 60-120 |
| Acenaphthene | 73 | 60-120 |
| Fluorene | 84 | 60-120 |
| Phenanthrene | 78 | 60-120 |
| Anthracene | 68 | 60-120 |
| Fluoranthene | 88 | 60-120 |
| Pyrene | 82 | 60-120 |
| Chrysene | 82 | 60-120 |
| Benzo(a)anthracene | 88 | 60-120 |
| Benzo(b)fluoranthene | 103 | 60-120 |
| Benzo(k)fluoranthene | 85 | 60-120 |
| Benzo(a)pyrene | 91 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 85 | 60-120 |
| Dibenz(a,h)anthracene | 80 | 60-120 |
| Benzo(g,h,i)perylene | 81 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 86 | 60-120 |
| Pyrene-d10 | 83 | 60-120 |
| Benzo(a)pyrene-d12 | 97 | 50-150 |
| Fluoranthene-d10 | 77 | 50-150 |

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4/25/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th Street
Project #: 0529307
Workorder #: 2204353

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 4/14/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-13A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

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# WORK ORDER #: 2204353

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 012633-1107 |
| **FAX:** | | **PROJECT #** | 0529307 Champaign 5th Street |
| **DATE RECEIVED:** | 04/14/2022 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 04/25/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20220411-13-SE-SAM1 | Modified TO-13A |
| 02A | 20220411-13-NE-SAM2 | Modified TO-13A |
| 03A | 20220411-13-SE-SAM3 | Modified TO-13A |
| 04A | 20220411-13-NW-SAM4 | Modified TO-13A |
| 05A | 20220411-13-SW-SAM5 | Modified TO-13A |
| 06A | Lab Blank | Modified TO-13A |
| 07A | CCV | Modified TO-13A |
| 08A | LCS | Modified TO-13A |
| 08AA | LCSD | Modified TO-13A |

CERTIFIED BY: DATE: 04/25/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

*This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.*

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**Modified TO-13A**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2204353**

Five PUF/XAD Cartridge-Low Volume samples were received on April 14, 2022. The laboratory performed the analysis for polycyclic aromatic hydrocarbons in air by modified EPA Method TO-13A. The PUF/XAD samples were extracted using Pressurized Fluid Extraction (PFE) by EPA Method 3545A. The sample extract was then concentrated to 1.0 mL and analyzed by GC/MS in the full scan mode.

To meet the quality control objectives outlined in Method TO-13A, a field blank is required for each sampling episode. If field blanks are not provided to the laboratory, any attendant risk to data quality is the responsibility of the data user.

The frequency of matrix spikes are determined by the different monitoring programs. Matrix spikes are not included in the routine calibration specifications for TO-13A.

| ***Requirement*** | ***TO-13A*** | ***ATL Modifications*** |
|---|---|---|
| Initial Calibration | Calibration range: 0.1-2.5 ug/mL in Hexane | Calibration range: 1.0-500 ug/mL in Methylene chloride |
| Method Blank | <MDL | <Reporting limit |
| Surrogate Recoveries | 60-120% | 50-150% for Field Surrogates<br>Fluoranthene-d10 and Benzo(a)pyrene-d12 |

## Receiving Notes

There were no receiving discrepancies.

## Analytical Notes

The sample cartridges were pre-spiked with Fluoranthene-d10 and Benzo(a)Pyrene-d12 on 04/08/2022.

All Quality Control Limit exceedances and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

The Relative Percent Difference (RPD) of the LCS/LCSD exceeded acceptance limits for Indeno(1,2,3-c,d)pyrene.

## Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
E - Exceeds instrument calibration range.
Q - Exceeds quality control limits.
S - Saturated peak.

J - Estimated value.
B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

**Client Sample ID: 20220411-13-SE-SAM1**

**Lab ID#: 2204353-01A**

No Detections Were Found.

**Client Sample ID: 20220411-13-NE-SAM2**

**Lab ID#: 2204353-02A**

No Detections Were Found.

**Client Sample ID: 20220411-13-SE-SAM3**

**Lab ID#: 2204353-03A**

No Detections Were Found.

**Client Sample ID: 20220411-13-NW-SAM4**

**Lab ID#: 2204353-04A**

No Detections Were Found.

**Client Sample ID: 20220411-13-SW-SAM5**

**Lab ID#: 2204353-05A**

No Detections Were Found.

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**Client Sample ID: 20220411-13-SE-SAM1**

**Lab ID#: 2204353-01A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12041822** | **Date of Collection: 4/13/22 8:25:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/18/22 06:12 PM** |
| | | **Date of Extraction: 4/15/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 74 | 60-120 |
| Pyrene-d10 | 109 | 60-120 |
| Benzo(a)pyrene-d12 | 112 | 50-150 |
| Fluoranthene-d10 | 108 | 50-150 |

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**Client Sample ID: 20220411-13-NE-SAM2**

**Lab ID#: 2204353-02A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12041823** | **Date of Collection: 4/13/22 8:46:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/18/22 06:42 PM** |
| | | **Date of Extraction: 4/15/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 84 | 60-120 |
| Pyrene-d10 | 96 | 60-120 |
| Benzo(a)pyrene-d12 | 108 | 50-150 |
| Fluoranthene-d10 | 86 | 50-150 |

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**Client Sample ID: 20220411-13-SE-SAM3**

**Lab ID#: 2204353-03A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12041824** | **Date of Collection: 4/13/22 8:18:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/18/22 07:12 PM** |
| | | **Date of Extraction: 4/15/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 83 | 60-120 |
| Pyrene-d10 | 99 | 60-120 |
| Benzo(a)pyrene-d12 | 108 | 50-150 |
| Fluoranthene-d10 | 81 | 50-150 |

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**Client Sample ID: 20220411-13-NW-SAM4**

**Lab ID#: 2204353-04A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12041825** | **Date of Collection: 4/13/22 8:41:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/18/22 07:42 PM** |
| | | **Date of Extraction: 4/15/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 78 | 60-120 |
| Pyrene-d10 | 102 | 60-120 |
| Benzo(a)pyrene-d12 | 98 | 50-150 |
| Fluoranthene-d10 | 73 | 50-150 |

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**Client Sample ID: 20220411-13-SW-SAM5**

**Lab ID#: 2204353-05A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12041826** | **Date of Collection: 4/13/22 8:43:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/18/22 08:12 PM** |
| | | **Date of Extraction: 4/15/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 75 | 60-120 |
| Pyrene-d10 | 74 | 60-120 |
| Benzo(a)pyrene-d12 | 96 | 50-150 |
| Fluoranthene-d10 | 74 | 50-150 |

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**Client Sample ID: Lab Blank**

**Lab ID#: 2204353-06A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12041806** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/18/22 10:13 AM** | |
| | | **Date of Extraction: 4/15/22** | |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 82 | 60-120 |
| Pyrene-d10 | 94 | 60-120 |
| Benzo(a)pyrene-d12 | 111 | 50-150 |
| Fluoranthene-d10 | 88 | 50-150 |

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**Client Sample ID: CCV**

**Lab ID#: 2204353-07A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12041803** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/18/22 08:43 AM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 99 |
| 2-Methylnaphthalene | 103 |
| 2-Chloronaphthalene | 104 |
| Acenaphthylene | 105 |
| Acenaphthene | 99 |
| Fluorene | 103 |
| Phenanthrene | 100 |
| Anthracene | 94 |
| Fluoranthene | 109 |
| Pyrene | 108 |
| Chrysene | 108 |
| Benzo(a)anthracene | 109 |
| Benzo(b)fluoranthene | 128 |
| Benzo(k)fluoranthene | 135 Q |
| Benzo(a)pyrene | 127 |
| Indeno(1,2,3-c,d)pyrene | 112 |
| Dibenz(a,h)anthracene | 121 |
| Benzo(g,h,i)perylene | 121 |

Q = Exceeds Quality Control limits.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 104 | 70-130 |
| Pyrene-d10 | 109 | 70-130 |
| Benzo(a)pyrene-d12 | 127 | 70-130 |
| Fluoranthene-d10 | 107 | 70-130 |

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**Client Sample ID: LCS**

**Lab ID#: 2204353-08A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12041804** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/18/22 09:13 AM** | |
| | | **Date of Extraction: 4/15/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 77 | 60-120 |
| 2-Methylnaphthalene | 85 | 60-120 |
| 2-Chloronaphthalene | 87 | 60-120 |
| Acenaphthylene | 77 | 60-120 |
| Acenaphthene | 75 | 60-120 |
| Fluorene | 78 | 60-120 |
| Phenanthrene | 81 | 60-120 |
| Anthracene | 77 | 60-120 |
| Fluoranthene | 110 | 60-120 |
| Pyrene | 106 | 60-120 |
| Chrysene | 88 | 60-120 |
| Benzo(a)anthracene | 93 | 60-120 |
| Benzo(b)fluoranthene | 119 | 60-120 |
| Benzo(k)fluoranthene | 108 | 60-120 |
| Benzo(a)pyrene | 104 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 99 | 60-120 |
| Dibenz(a,h)anthracene | 111 | 60-120 |
| Benzo(g,h,i)perylene | 112 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 82 | 60-120 |
| Pyrene-d10 | 110 | 60-120 |
| Benzo(a)pyrene-d12 | 116 | 50-150 |
| Fluoranthene-d10 | 106 | 50-150 |

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**Client Sample ID: LCSD**

**Lab ID#: 2204353-08AA**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12041805** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/18/22 09:43 AM** |
| | | **Date of Extraction: 4/15/22** |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 80 | 60-120 |
| 2-Methylnaphthalene | 95 | 60-120 |
| 2-Chloronaphthalene | 71 | 60-120 |
| Acenaphthylene | 75 | 60-120 |
| Acenaphthene | 76 | 60-120 |
| Fluorene | 68 | 60-120 |
| Phenanthrene | 82 | 60-120 |
| Anthracene | 78 | 60-120 |
| Fluoranthene | 115 | 60-120 |
| Pyrene | 86 | 60-120 |
| Chrysene | 89 | 60-120 |
| Benzo(a)anthracene | 93 | 60-120 |
| Benzo(b)fluoranthene | 108 | 60-120 |
| Benzo(k)fluoranthene | 104 | 60-120 |
| Benzo(a)pyrene | 101 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 73 | 60-120 |
| Dibenz(a,h)anthracene | 95 | 60-120 |
| Benzo(g,h,i)perylene | 93 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 72 | 60-120 |
| Pyrene-d10 | 92 | 60-120 |
| Benzo(a)pyrene-d12 | 116 | 50-150 |
| Fluoranthene-d10 | 112 | 50-150 |

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4/29/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th St.
Project #: 0529307
Workorder #: 2204460

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 4/19/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-13A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

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# WORK ORDER #: 2204460

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 012633-1107 |
| **FAX:** | | **PROJECT #** | 0529307 Champaign 5th St. |
| **DATE RECEIVED:** | 04/19/2022 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 04/29/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20220413-15-SE-SAM1 | Modified TO-13A |
| 02A | 20220413-15-SW-SAM2 | Modified TO-13A |
| 03A | 20220413-15-SE-SAM3 | Modified TO-13A |
| 04A | 20220413-15-NW-SAM4 | Modified TO-13A |
| 05A | 20220413-15-SW-SAM5 | Modified TO-13A |
| 06A | 20220413-15-SAM6 | Modified TO-13A |
| 07A | Lab Blank | Modified TO-13A |
| 08A | CCV | Modified TO-13A |
| 09A | LCS | Modified TO-13A |
| 09AA | LCSD | Modified TO-13A |

CERTIFIED BY: Heidi Hayes DATE: 04/29/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**Modified TO-13A**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2204460**

Six PUF/XAD Cartridge-Low Volume samples were received on April 19, 2022. The laboratory performed the analysis for polycyclic aromatic hydrocarbons in air by modified EPA Method TO-13A. The PUF/XAD samples were extracted using Pressurized Fluid Extraction (PFE) by EPA Method 3545A. The sample extract was then concentrated to 1.0 mL and analyzed by GC/MS in the full scan mode.

To meet the quality control objectives outlined in Method TO-13A, a field blank is required for each sampling episode. If field blanks are not provided to the laboratory, any attendant risk to data quality is the responsibility of the data user.

The frequency of matrix spikes are determined by the different monitoring programs. Matrix spikes are not included in the routine calibration specifications for TO-13A.

| ***Requirement*** | ***TO-13A*** | ***ATL Modifications*** |
|---|---|---|
| Initial Calibration | Calibration range: 0.1-2.5 ug/mL in Hexane | Calibration range: 1.0-500 ug/mL in Methylene chloride |
| Method Blank | <MDL | <Reporting limit |
| Surrogate Recoveries | 60-120% | 50-150% for Field Surrogates<br>Fluoranthene-d10 and Benzo(a)pyrene-d12 |

## Receiving Notes

The Chain of Custody (COC) information for sample 20220413-15-SW-SAM2 did not match the entry on the sample tag with regard to sample identification. The information on the COC was used to process and report the sample.

## Analytical Notes

The sample cartridges were pre-spiked with Fluoranthene-d10 and Benzo(a)Pyrene-d12 on 04/08/2022.

All Quality Control Limit exceedances and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

## Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
E - Exceeds instrument calibration range.
Q - Exceeds quality control limits.
S - Saturated peak.
J - Estimated value.
B - Compound present in laboratory blank greater than reporting limit (background subtraction not

performed).
U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

**Client Sample ID: 20220413-15-SE-SAM1**

**Lab ID#: 2204460-01A**

No Detections Were Found.

**Client Sample ID: 20220413-15-SW-SAM2**

**Lab ID#: 2204460-02A**

No Detections Were Found.

**Client Sample ID: 20220413-15-SE-SAM3**

**Lab ID#: 2204460-03A**

No Detections Were Found.

**Client Sample ID: 20220413-15-NW-SAM4**

**Lab ID#: 2204460-04A**

No Detections Were Found.

**Client Sample ID: 20220413-15-SW-SAM5**

**Lab ID#: 2204460-05A**

No Detections Were Found.

**Client Sample ID: 20220413-15-SAM6**

**Lab ID#: 2204460-06A**

No Detections Were Found.

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**Client Sample ID: 20220413-15-SE-SAM1**

**Lab ID#: 2204460-01A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12042220** | **Date of Collection: 4/15/22 10:45:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/22/22 04:37 PM** |
| | | **Date of Extraction: 4/21/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 85 | 60-120 |
| Pyrene-d10 | 106 | 60-120 |
| Benzo(a)pyrene-d12 | 108 | 50-150 |
| Fluoranthene-d10 | 84 | 50-150 |

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**Client Sample ID: 20220413-15-SW-SAM2**

**Lab ID#: 2204460-02A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12042221** | **Date of Collection: 4/15/22 10:34:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/22/22 05:07 PM** |
| | | **Date of Extraction: 4/21/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 86 | 60-120 |
| Pyrene-d10 | 107 | 60-120 |
| Benzo(a)pyrene-d12 | 113 | 50-150 |
| Fluoranthene-d10 | 86 | 50-150 |

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**Client Sample ID: 20220413-15-SE-SAM3**

**Lab ID#: 2204460-03A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12042222** | **Date of Collection: 4/15/22 10:42:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/22/22 05:37 PM** |
| | | **Date of Extraction: 4/21/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 85 | 60-120 |
| Pyrene-d10 | 104 | 60-120 |
| Benzo(a)pyrene-d12 | 106 | 50-150 |
| Fluoranthene-d10 | 83 | 50-150 |

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**Client Sample ID: 20220413-15-NW-SAM4**

**Lab ID#: 2204460-04A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12042223** | **Date of Collection: 4/15/22 10:26:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/22/22 06:07 PM** |
| | | **Date of Extraction: 4/21/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 72 | 60-120 |
| Pyrene-d10 | 88 | 60-120 |
| Benzo(a)pyrene-d12 | 88 | 50-150 |
| Fluoranthene-d10 | 69 | 50-150 |

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**Client Sample ID: 20220413-15-SW-SAM5**

**Lab ID#: 2204460-05A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12042224** | **Date of Collection: 4/15/22 10:21:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/22/22 06:37 PM** |
| | | **Date of Extraction: 4/21/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 76 | 60-120 |
| Pyrene-d10 | 92 | 60-120 |
| Benzo(a)pyrene-d12 | 95 | 50-150 |
| Fluoranthene-d10 | 72 | 50-150 |

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**Client Sample ID: 20220413-15-SAM6**

**Lab ID#: 2204460-06A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12042225** | **Date of Collection: 4/15/22 10:50:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/22/22 07:07 PM** |
| | | **Date of Extraction: 4/21/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 77 | 60-120 |
| Pyrene-d10 | 90 | 60-120 |
| Benzo(a)pyrene-d12 | 97 | 50-150 |
| Fluoranthene-d10 | 76 | 50-150 |

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**Client Sample ID: Lab Blank**

**Lab ID#: 2204460-07A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12042206** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/22/22 09:38 AM** | |
| | | **Date of Extraction: 4/21/22** | |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 81 | 60-120 |
| Pyrene-d10 | 101 | 60-120 |
| Benzo(a)pyrene-d12 | 121 | 50-150 |
| Fluoranthene-d10 | 94 | 50-150 |

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**Client Sample ID: CCV**

**Lab ID#: 2204460-08A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12042203** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/22/22 08:08 AM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 94 |
| 2-Methylnaphthalene | 94 |
| 2-Chloronaphthalene | 102 |
| Acenaphthylene | 103 |
| Acenaphthene | 95 |
| Fluorene | 98 |
| Phenanthrene | 97 |
| Anthracene | 94 |
| Fluoranthene | 101 |
| Pyrene | 108 |
| Chrysene | 101 |
| Benzo(a)anthracene | 103 |
| Benzo(b)fluoranthene | 135 Q |
| Benzo(k)fluoranthene | 123 |
| Benzo(a)pyrene | 120 |
| Indeno(1,2,3-c,d)pyrene | 80 |
| Dibenz(a,h)anthracene | 104 |
| Benzo(g,h,i)perylene | 104 |

Q = Exceeds Quality Control limits.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 98 | 70-130 |
| Pyrene-d10 | 110 | 70-130 |
| Benzo(a)pyrene-d12 | 121 | 70-130 |
| Fluoranthene-d10 | 103 | 70-130 |

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**Client Sample ID: LCS**

**Lab ID#: 2204460-09A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12042204** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/22/22 08:38 AM** | |
| | | **Date of Extraction: 4/21/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 70 | 60-120 |
| 2-Methylnaphthalene | 76 | 60-120 |
| 2-Chloronaphthalene | 78 | 60-120 |
| Acenaphthylene | 76 | 60-120 |
| Acenaphthene | 71 | 60-120 |
| Fluorene | 78 | 60-120 |
| Phenanthrene | 80 | 60-120 |
| Anthracene | 72 | 60-120 |
| Fluoranthene | 87 | 60-120 |
| Pyrene | 87 | 60-120 |
| Chrysene | 84 | 60-120 |
| Benzo(a)anthracene | 87 | 60-120 |
| Benzo(b)fluoranthene | 114 | 60-120 |
| Benzo(k)fluoranthene | 97 | 60-120 |
| Benzo(a)pyrene | 99 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 69 | 60-120 |
| Dibenz(a,h)anthracene | 85 | 60-120 |
| Benzo(g,h,i)perylene | 85 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 85 | 60-120 |
| Pyrene-d10 | 96 | 60-120 |
| Benzo(a)pyrene-d12 | 117 | 50-150 |
| Fluoranthene-d10 | 91 | 50-150 |

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**Client Sample ID: LCSD**

**Lab ID#: 2204460-09AA**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12042205** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/22/22 09:08 AM** | |
| | | **Date of Extraction: 4/21/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 73 | 60-120 |
| 2-Methylnaphthalene | 80 | 60-120 |
| 2-Chloronaphthalene | 82 | 60-120 |
| Acenaphthylene | 79 | 60-120 |
| Acenaphthene | 73 | 60-120 |
| Fluorene | 81 | 60-120 |
| Phenanthrene | 81 | 60-120 |
| Anthracene | 73 | 60-120 |
| Fluoranthene | 87 | 60-120 |
| Pyrene | 92 | 60-120 |
| Chrysene | 86 | 60-120 |
| Benzo(a)anthracene | 89 | 60-120 |
| Benzo(b)fluoranthene | 118 | 60-120 |
| Benzo(k)fluoranthene | 101 | 60-120 |
| Benzo(a)pyrene | 101 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 69 | 60-120 |
| Dibenz(a,h)anthracene | 89 | 60-120 |
| Benzo(g,h,i)perylene | 88 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 80 | 60-120 |
| Pyrene-d10 | 95 | 60-120 |
| Benzo(a)pyrene-d12 | 111 | 50-150 |
| Fluoranthene-d10 | 85 | 50-150 |

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5/2/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th Street
Project #: 0529307
Workorder #: 2204519

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 4/21/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-13A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

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# WORK ORDER #: 2204519

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 012633-1107 |
| **FAX:** | | **PROJECT #** | 0529307 Champaign 5th Street |
| **DATE RECEIVED:** | 04/21/2022 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 05/02/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20220418-20-SE-SAM1 | Modified TO-13A |
| 02A | 20220418-20-NE-SAM2 | Modified TO-13A |
| 03A | 20220418-20-SE-SAM3 | Modified TO-13A |
| 04A | 20220418-20-NW-SAM4 | Modified TO-13A |
| 05A | 20220418-20-SW-SAM5 | Modified TO-13A |
| 06A | Lab Blank | Modified TO-13A |
| 07A | CCV | Modified TO-13A |
| 08A | LCS | Modified TO-13A |
| 08AA | LCSD | Modified TO-13A |

CERTIFIED BY: Heidi Hayes DATE: 05/02/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**Modified TO-13A**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2204519**

Five PUF/XAD Cartridge-Low Volume samples were received on April 21, 2022. The laboratory performed the analysis for polycyclic aromatic hydrocarbons in air by modified EPA Method TO-13A. The PUF/XAD samples were extracted using Pressurized Fluid Extraction (PFE) by EPA Method 3545A. The sample extract was then concentrated to 1.0 mL and analyzed by GC/MS in the full scan mode.

To meet the quality control objectives outlined in Method TO-13A, a field blank is required for each sampling episode. If field blanks are not provided to the laboratory, any attendant risk to data quality is the responsibility of the data user.

The frequency of matrix spikes are determined by the different monitoring programs. Matrix spikes are not included in the routine calibration specifications for TO-13A.

| ***Requirement*** | ***TO-13A*** | ***ATL Modifications*** |
|---|---|---|
| Initial Calibration | Calibration range: 0.1-2.5 ug/mL in Hexane | Calibration range: 1.0-500 ug/mL in Methylene chloride |
| Method Blank | <MDL | <Reporting limit |
| Surrogate Recoveries | 60-120% | 50-150% for Field Surrogates<br>Fluoranthene-d10 and Benzo(a)pyrene-d12 |

## Receiving Notes

A Temperature Blank was not included with the shipment. Temperature was measured on a representative sample and was not within 4±2 °C. Coolant in the form of blue ice was present. Analysis proceeded.

## Analytical Notes

The sample cartridges were pre-spiked with Fluoranthene-d10 and Benzo(a)Pyrene-d12 on 04/12/2022.

All Quality Control Limit exceedances and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

## Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
E - Exceeds instrument calibration range.
Q - Exceeds quality control limits.
S - Saturated peak.
J - Estimated value.

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

**Client Sample ID: 20220418-20-SE-SAM1**

**Lab ID#: 2204519-01A**

No Detections Were Found.

**Client Sample ID: 20220418-20-NE-SAM2**

**Lab ID#: 2204519-02A**

No Detections Were Found.

**Client Sample ID: 20220418-20-SE-SAM3**

**Lab ID#: 2204519-03A**

No Detections Were Found.

**Client Sample ID: 20220418-20-NW-SAM4**

**Lab ID#: 2204519-04A**

No Detections Were Found.

**Client Sample ID: 20220418-20-SW-SAM5**

**Lab ID#: 2204519-05A**

No Detections Were Found.

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**Client Sample ID: 20220418-20-SE-SAM1**

**Lab ID#: 2204519-01A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12042721** | **Date of Collection: 4/20/22 7:30:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/27/22 05:28 PM** |
| | | **Date of Extraction: 4/26/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 78 | 60-120 |
| Pyrene-d10 | 91 | 60-120 |
| Benzo(a)pyrene-d12 | 90 | 50-150 |
| Fluoranthene-d10 | 74 | 50-150 |

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**Client Sample ID: 20220418-20-NE-SAM2**

**Lab ID#: 2204519-02A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12042722** | **Date of Collection: 4/20/22 7:17:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/27/22 05:58 PM** |
| | | **Date of Extraction: 4/26/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 83 | 60-120 |
| Pyrene-d10 | 87 | 60-120 |
| Benzo(a)pyrene-d12 | 100 | 50-150 |
| Fluoranthene-d10 | 69 | 50-150 |

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**Client Sample ID: 20220418-20-SE-SAM3**

**Lab ID#: 2204519-03A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12042723** | **Date of Collection: 4/20/22 7:26:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/27/22 06:28 PM** |
| | | **Date of Extraction: 4/26/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 88 | 60-120 |
| Pyrene-d10 | 108 | 60-120 |
| Benzo(a)pyrene-d12 | 104 | 50-150 |
| Fluoranthene-d10 | 89 | 50-150 |

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**Client Sample ID: 20220418-20-NW-SAM4**

**Lab ID#: 2204519-04A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12042724** | **Date of Collection: 4/20/22 7:08:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/27/22 06:58 PM** |
| | | **Date of Extraction: 4/26/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 85 | 60-120 |
| Pyrene-d10 | 97 | 60-120 |
| Benzo(a)pyrene-d12 | 96 | 50-150 |
| Fluoranthene-d10 | 89 | 50-150 |

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**Client Sample ID: 20220418-20-SW-SAM5**

**Lab ID#: 2204519-05A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12042725** | **Date of Collection: 4/20/22 7:05:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/27/22 07:28 PM** |
| | | **Date of Extraction: 4/26/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 88 | 60-120 |
| Pyrene-d10 | 107 | 60-120 |
| Benzo(a)pyrene-d12 | 103 | 50-150 |
| Fluoranthene-d10 | 86 | 50-150 |

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**Client Sample ID: Lab Blank**

**Lab ID#: 2204519-06A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12042706** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/27/22 09:58 AM** | |
| | | **Date of Extraction: 4/26/22** | |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 85 | 60-120 |
| Pyrene-d10 | 100 | 60-120 |
| Benzo(a)pyrene-d12 | 110 | 50-150 |
| Fluoranthene-d10 | 85 | 50-150 |

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**Client Sample ID: CCV**

**Lab ID#: 2204519-07A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12042703** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/27/22 08:28 AM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 99 |
| 2-Methylnaphthalene | 97 |
| 2-Chloronaphthalene | 105 |
| Acenaphthylene | 101 |
| Acenaphthene | 94 |
| Fluorene | 96 |
| Phenanthrene | 96 |
| Anthracene | 93 |
| Fluoranthene | 100 |
| Pyrene | 112 |
| Chrysene | 103 |
| Benzo(a)anthracene | 103 |
| Benzo(b)fluoranthene | 137 Q |
| Benzo(k)fluoranthene | 123 |
| Benzo(a)pyrene | 122 |
| Indeno(1,2,3-c,d)pyrene | 82 |
| Dibenz(a,h)anthracene | 106 |
| Benzo(g,h,i)perylene | 108 |

Q = Exceeds Quality Control limits.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 98 | 70-130 |
| Pyrene-d10 | 114 | 70-130 |
| Benzo(a)pyrene-d12 | 122 | 70-130 |
| Fluoranthene-d10 | 102 | 70-130 |

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**Client Sample ID: LCS**

**Lab ID#: 2204519-08A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12042704** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/27/22 08:58 AM** | |
| | | **Date of Extraction: 4/26/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 72 | 60-120 |
| 2-Methylnaphthalene | 75 | 60-120 |
| 2-Chloronaphthalene | 81 | 60-120 |
| Acenaphthylene | 76 | 60-120 |
| Acenaphthene | 70 | 60-120 |
| Fluorene | 76 | 60-120 |
| Phenanthrene | 77 | 60-120 |
| Anthracene | 65 | 60-120 |
| Fluoranthene | 80 | 60-120 |
| Pyrene | 93 | 60-120 |
| Chrysene | 83 | 60-120 |
| Benzo(a)anthracene | 87 | 60-120 |
| Benzo(b)fluoranthene | 104 | 60-120 |
| Benzo(k)fluoranthene | 107 | 60-120 |
| Benzo(a)pyrene | 97 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 66 | 60-120 |
| Dibenz(a,h)anthracene | 85 | 60-120 |
| Benzo(g,h,i)perylene | 88 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 80 | 60-120 |
| Pyrene-d10 | 101 | 60-120 |
| Benzo(a)pyrene-d12 | 105 | 50-150 |
| Fluoranthene-d10 | 77 | 50-150 |

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**Client Sample ID: LCSD**

**Lab ID#: 2204519-08AA**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12042705** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/27/22 09:28 AM** | |
| | | **Date of Extraction: 4/26/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 77 | 60-120 |
| 2-Methylnaphthalene | 82 | 60-120 |
| 2-Chloronaphthalene | 87 | 60-120 |
| Acenaphthylene | 83 | 60-120 |
| Acenaphthene | 77 | 60-120 |
| Fluorene | 85 | 60-120 |
| Phenanthrene | 83 | 60-120 |
| Anthracene | 72 | 60-120 |
| Fluoranthene | 88 | 60-120 |
| Pyrene | 102 | 60-120 |
| Chrysene | 90 | 60-120 |
| Benzo(a)anthracene | 95 | 60-120 |
| Benzo(b)fluoranthene | 113 | 60-120 |
| Benzo(k)fluoranthene | 115 | 60-120 |
| Benzo(a)pyrene | 107 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 75 | 60-120 |
| Dibenz(a,h)anthracene | 93 | 60-120 |
| Benzo(g,h,i)perylene | 95 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 85 | 60-120 |
| Pyrene-d10 | 102 | 60-120 |
| Benzo(a)pyrene-d12 | 116 | 50-150 |
| Fluoranthene-d10 | 87 | 50-150 |

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5/5/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th St.
Project #: 0529307
Workorder #: 2204609

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 4/26/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-13A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Kathleen Kaneko

Project Manager

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# WORK ORDER #: 2204609

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 012633-1107 |
| **FAX:** | | **PROJECT #** | 0529307 Champaign 5th St. |
| **DATE RECEIVED:** | 04/26/2022 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 05/05/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20220420-22-SE-SAM1 | Modified TO-13A |
| 02A | 20220420-22-NE-SAM2 | Modified TO-13A |
| 03A | 20220420-22-SE-SAM3 | Modified TO-13A |
| 04A | 20220420-22-NW-SAM4 | Modified TO-13A |
| 05A | 20220420-22-SW-SAM5 | Modified TO-13A |
| 06A | 20220420-22-SAM6 | Modified TO-13A |
| 07A | Lab Blank | Modified TO-13A |
| 08A | CCV | Modified TO-13A |
| 09A | LCS | Modified TO-13A |
| 09AA | LCSD | Modified TO-13A |

CERTIFIED BY: DATE: 05/05/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**Modified TO-13A**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2204609**

Six PUF/XAD Cartridge-Low Volume samples were received on April 26, 2022. The laboratory performed the analysis for polycyclic aromatic hydrocarbons in air by modified EPA Method TO-13A. The PUF/XAD samples were extracted using Pressurized Fluid Extraction (PFE) by EPA Method 3545A. The sample extract was then concentrated to 1.0 mL and analyzed by GC/MS in the full scan mode.

To meet the quality control objectives outlined in Method TO-13A, a field blank is required for each sampling episode. If field blanks are not provided to the laboratory, any attendant risk to data quality is the responsibility of the data user.

The frequency of matrix spikes are determined by the different monitoring programs. Matrix spikes are not included in the routine calibration specifications for TO-13A.

| ***Requirement*** | ***TO-13A*** | ***ATL Modifications*** |
|---|---|---|
| Initial Calibration | Calibration range: 0.1-2.5 ug/mL in Hexane | Calibration range: 1.0-500 ug/mL in Methylene chloride |
| Method Blank | <MDL | <Reporting limit |
| Surrogate Recoveries | 60-120% | 50-150% for Field Surrogates<br>Fluoranthene-d10 and Benzo(a)pyrene-d12 |

**Receiving Notes**

There were no receiving discrepancies.

**Analytical Notes**

The sample cartridges were pre-spiked with Fluoranthene-d10 and Benzo(a)Pyrene-d12 on 04/12/2022.

All Quality Control Limit exceedances and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

**Definition of Data Qualifying Flags**

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
E - Exceeds instrument calibration range.
Q - Exceeds quality control limits.
S - Saturated peak.
J - Estimated value.
B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data

page for project specific U-flag definition.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

**Client Sample ID: 20220420-22-SE-SAM1**

**Lab ID#: 2204609-01A**

No Detections Were Found.

**Client Sample ID: 20220420-22-NE-SAM2**

**Lab ID#: 2204609-02A**

No Detections Were Found.

**Client Sample ID: 20220420-22-SE-SAM3**

**Lab ID#: 2204609-03A**

No Detections Were Found.

**Client Sample ID: 20220420-22-NW-SAM4**

**Lab ID#: 2204609-04A**

No Detections Were Found.

**Client Sample ID: 20220420-22-SW-SAM5**

**Lab ID#: 2204609-05A**

No Detections Were Found.

**Client Sample ID: 20220420-22-SAM6**

**Lab ID#: 2204609-06A**

No Detections Were Found.

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**Client Sample ID: 20220420-22-SE-SAM1**

**Lab ID#: 2204609-01A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12042822** | **Date of Collection: 4/20/22 9:43:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/28/22 05:38 PM** |
| | | **Date of Extraction: 4/27/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 81 | 60-120 |
| Pyrene-d10 | 101 | 60-120 |
| Benzo(a)pyrene-d12 | 100 | 50-150 |
| Fluoranthene-d10 | 92 | 50-150 |

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**Client Sample ID: 20220420-22-NE-SAM2**

**Lab ID#: 2204609-02A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12042823** | **Date of Collection: 4/20/22 9:36:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/28/22 06:08 PM** |
| | | **Date of Extraction: 4/27/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 73 | 60-120 |
| Pyrene-d10 | 81 | 60-120 |
| Benzo(a)pyrene-d12 | 88 | 50-150 |
| Fluoranthene-d10 | 71 | 50-150 |

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**Client Sample ID: 20220420-22-SE-SAM3**

**Lab ID#: 2204609-03A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12042824** | **Date of Collection: 4/20/22 9:39:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/28/22 06:38 PM** |
| | | **Date of Extraction: 4/27/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 83 | 60-120 |
| Pyrene-d10 | 100 | 60-120 |
| Benzo(a)pyrene-d12 | 97 | 50-150 |
| Fluoranthene-d10 | 67 | 50-150 |

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**Client Sample ID: 20220420-22-NW-SAM4**

**Lab ID#: 2204609-04A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12042825** | **Date of Collection: 4/20/22 9:06:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/28/22 07:07 PM** |
| | | **Date of Extraction: 4/27/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 68 | 60-120 |
| Pyrene-d10 | 89 | 60-120 |
| Benzo(a)pyrene-d12 | 105 | 50-150 |
| Fluoranthene-d10 | 83 | 50-150 |

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**Client Sample ID: 20220420-22-SW-SAM5**

**Lab ID#: 2204609-05A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12042826** | **Date of Collection: 4/20/22 9:02:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/28/22 07:37 PM** |
| | | **Date of Extraction: 4/27/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 72 | 60-120 |
| Pyrene-d10 | 94 | 60-120 |
| Benzo(a)pyrene-d12 | 89 | 50-150 |
| Fluoranthene-d10 | 69 | 50-150 |

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**Client Sample ID: 20220420-22-SAM6**

**Lab ID#: 2204609-06A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12042827** | **Date of Collection: 4/20/22 9:45:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/28/22 08:07 PM** |
| | | **Date of Extraction: 4/27/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 68 | 60-120 |
| Pyrene-d10 | 89 | 60-120 |
| Benzo(a)pyrene-d12 | 86 | 50-150 |
| Fluoranthene-d10 | 78 | 50-150 |

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**Client Sample ID: Lab Blank**

**Lab ID#: 2204609-07A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12042810** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/28/22 11:38 AM** | |
| | | **Date of Extraction: 4/27/22** | |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 83 | 60-120 |
| Pyrene-d10 | 106 | 60-120 |
| Benzo(a)pyrene-d12 | 109 | 50-150 |
| Fluoranthene-d10 | 72 | 50-150 |

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**Client Sample ID: CCV**

**Lab ID#: 2204609-08A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12042807** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/28/22 10:08 AM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 100 |
| 2-Methylnaphthalene | 107 |
| 2-Chloronaphthalene | 101 |
| Acenaphthylene | 101 |
| Acenaphthene | 93 |
| Fluorene | 87 |
| Phenanthrene | 100 |
| Anthracene | 102 |
| Fluoranthene | 89 |
| Pyrene | 110 |
| Chrysene | 102 |
| Benzo(a)anthracene | 104 |
| Benzo(b)fluoranthene | 138 Q |
| Benzo(k)fluoranthene | 126 |
| Benzo(a)pyrene | 121 |
| Indeno(1,2,3-c,d)pyrene | 97 |
| Dibenz(a,h)anthracene | 120 |
| Benzo(g,h,i)perylene | 123 |

Q = Exceeds Quality Control limits.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 88 | 70-130 |
| Pyrene-d10 | 111 | 70-130 |
| Benzo(a)pyrene-d12 | 123 | 70-130 |
| Fluoranthene-d10 | 94 | 70-130 |

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**Client Sample ID: LCS**

**Lab ID#: 2204609-09A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12042808** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/28/22 10:38 AM** | |
| | | **Date of Extraction: 4/27/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 72 | 60-120 |
| 2-Methylnaphthalene | 80 | 60-120 |
| 2-Chloronaphthalene | 83 | 60-120 |
| Acenaphthylene | 80 | 60-120 |
| Acenaphthene | 73 | 60-120 |
| Fluorene | 81 | 60-120 |
| Phenanthrene | 79 | 60-120 |
| Anthracene | 66 | 60-120 |
| Fluoranthene | 87 | 60-120 |
| Pyrene | 92 | 60-120 |
| Chrysene | 86 | 60-120 |
| Benzo(a)anthracene | 90 | 60-120 |
| Benzo(b)fluoranthene | 117 | 60-120 |
| Benzo(k)fluoranthene | 98 | 60-120 |
| Benzo(a)pyrene | 100 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 85 | 60-120 |
| Dibenz(a,h)anthracene | 98 | 60-120 |
| Benzo(g,h,i)perylene | 96 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 86 | 60-120 |
| Pyrene-d10 | 99 | 60-120 |
| Benzo(a)pyrene-d12 | 109 | 50-150 |
| Fluoranthene-d10 | 85 | 50-150 |

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**Client Sample ID: LCSD**

**Lab ID#: 2204609-09AA**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12042809** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 4/28/22 11:08 AM** | |
| | | **Date of Extraction: 4/27/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 70 | 60-120 |
| 2-Methylnaphthalene | 76 | 60-120 |
| 2-Chloronaphthalene | 84 | 60-120 |
| Acenaphthylene | 76 | 60-120 |
| Acenaphthene | 70 | 60-120 |
| Fluorene | 81 | 60-120 |
| Phenanthrene | 79 | 60-120 |
| Anthracene | 65 | 60-120 |
| Fluoranthene | 83 | 60-120 |
| Pyrene | 105 | 60-120 |
| Chrysene | 85 | 60-120 |
| Benzo(a)anthracene | 90 | 60-120 |
| Benzo(b)fluoranthene | 107 | 60-120 |
| Benzo(k)fluoranthene | 109 | 60-120 |
| Benzo(a)pyrene | 100 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 76 | 60-120 |
| Dibenz(a,h)anthracene | 93 | 60-120 |
| Benzo(g,h,i)perylene | 94 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 82 | 60-120 |
| Pyrene-d10 | 110 | 60-120 |
| Benzo(a)pyrene-d12 | 112 | 50-150 |
| Fluoranthene-d10 | 81 | 50-150 |

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5/10/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th St.
Project #: 0529307
Workorder #: 2204689

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 4/28/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-13A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

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# WORK ORDER #: 2204689

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 012633-1107 |
| **FAX:** | | **PROJECT #** | 0529307 Champaign 5th St. |
| **DATE RECEIVED:** | 04/28/2022 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 05/10/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20220425-27-SE-SAM1 | Modified TO-13A |
| 02A | 20220425-27-NE-SAM2 | Modified TO-13A |
| 03A | 20220425-27-SE-SAM3 | Modified TO-13A |
| 04A | 20220425-27-NW-SAM4 | Modified TO-13A |
| 05A | 20220425-27-SW-SAM5 | Modified TO-13A |
| 06A | 20220425-27-SAM6 | Modified TO-13A |
| 07A | Lab Blank | Modified TO-13A |
| 08A | CCV | Modified TO-13A |
| 08B | CCV | Modified TO-13A |
| 09A | LCS | Modified TO-13A |
| 09AA | LCSD | Modified TO-13A |

CERTIFIED BY: DATE: 05/10/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**Modified TO-13A**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2204689**

Six PUF/XAD Cartridge-Low Volume samples were received on April 28, 2022. The laboratory performed the analysis for polycyclic aromatic hydrocarbons in air by modified EPA Method TO-13A. The PUF/XAD samples were extracted using Pressurized Fluid Extraction (PFE) by EPA Method 3545A. The sample extract was then concentrated to 1.0 mL and analyzed by GC/MS in the full scan mode.

To meet the quality control objectives outlined in Method TO-13A, a field blank is required for each sampling episode. If field blanks are not provided to the laboratory, any attendant risk to data quality is the responsibility of the data user.

The frequency of matrix spikes are determined by the different monitoring programs. Matrix spikes are not included in the routine calibration specifications for TO-13A.

| ***Requirement*** | ***TO-13A*** | ***ATL Modifications*** |
|---|---|---|
| Initial Calibration | Calibration range: 0.1-2.5 ug/mL in Hexane | Calibration range: 1.0-500 ug/mL in Methylene chloride |
| Method Blank | <MDL | <Reporting limit |
| Surrogate Recoveries | 60-120% | 50-150% for Field Surrogates<br>Fluoranthene-d10 and Benzo(a)pyrene-d12 |

**Receiving Notes**

There were no receiving discrepancies.

**Analytical Notes**

The sample cartridges were pre-spiked with Fluoranthene-d10 and Benzo(a)Pyrene-d12 on 04/21/2022.

All Quality Control Limit exceedances and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

**Definition of Data Qualifying Flags**

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
E - Exceeds instrument calibration range.
Q - Exceeds quality control limits.
S - Saturated peak.
J - Estimated value.
B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data

page for project specific U-flag definition.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

**Client Sample ID: 20220425-27-SE-SAM1**

**Lab ID#: 2204689-01A**

No Detections Were Found.

**Client Sample ID: 20220425-27-NE-SAM2**

**Lab ID#: 2204689-02A**

No Detections Were Found.

**Client Sample ID: 20220425-27-SE-SAM3**

**Lab ID#: 2204689-03A**

No Detections Were Found.

**Client Sample ID: 20220425-27-NW-SAM4**

**Lab ID#: 2204689-04A**

No Detections Were Found.

**Client Sample ID: 20220425-27-SW-SAM5**

**Lab ID#: 2204689-05A**

No Detections Were Found.

**Client Sample ID: 20220425-27-SAM6**

**Lab ID#: 2204689-06A**

No Detections Were Found.

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**Client Sample ID: 20220425-27-SE-SAM1**

**Lab ID#: 2204689-01A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12050322** | **Date of Collection: 4/27/22 8:12:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/3/22 05:36 PM** |
| | | **Date of Extraction: 5/2/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 85 | 60-120 |
| Pyrene-d10 | 103 | 60-120 |
| Benzo(a)pyrene-d12 | 100 | 50-150 |
| Fluoranthene-d10 | 79 | 50-150 |

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**Client Sample ID: 20220425-27-NE-SAM2**

**Lab ID#: 2204689-02A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12050323** | **Date of Collection: 4/27/22 8:22:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/3/22 06:06 PM** |
| | | **Date of Extraction: 5/2/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 84 | 60-120 |
| Pyrene-d10 | 89 | 60-120 |
| Benzo(a)pyrene-d12 | 98 | 50-150 |
| Fluoranthene-d10 | 68 | 50-150 |

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**Client Sample ID: 20220425-27-SE-SAM3**

**Lab ID#: 2204689-03A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12050324** | **Date of Collection: 4/27/22 8:04:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/3/22 06:36 PM** |
| | | **Date of Extraction: 5/2/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 83 | 60-120 |
| Pyrene-d10 | 101 | 60-120 |
| Benzo(a)pyrene-d12 | 102 | 50-150 |
| Fluoranthene-d10 | 75 | 50-150 |

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**Client Sample ID: 20220425-27-NW-SAM4**

**Lab ID#: 2204689-04A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12050325** | **Date of Collection: 4/27/22 8:27:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/3/22 07:06 PM** |
| | | **Date of Extraction: 5/2/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 78 | 60-120 |
| Pyrene-d10 | 89 | 60-120 |
| Benzo(a)pyrene-d12 | 96 | 50-150 |
| Fluoranthene-d10 | 88 | 50-150 |

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**Client Sample ID: 20220425-27-SW-SAM5**

**Lab ID#: 2204689-05A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12050326** | **Date of Collection: 4/27/22 8:38:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/3/22 07:36 PM** |
| | | **Date of Extraction: 5/2/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 85 | 60-120 |
| Pyrene-d10 | 103 | 60-120 |
| Benzo(a)pyrene-d12 | 102 | 50-150 |
| Fluoranthene-d10 | 76 | 50-150 |

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**Client Sample ID: 20220425-27-SAM6**

**Lab ID#: 2204689-06A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12050409** | **Date of Collection: 4/27/22 8:40:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/4/22 11:10 AM** |
| | | **Date of Extraction: 5/2/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 86 | 60-120 |
| Pyrene-d10 | 101 | 60-120 |
| Benzo(a)pyrene-d12 | 111 | 50-150 |
| Fluoranthene-d10 | 79 | 50-150 |

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**Client Sample ID: Lab Blank**

**Lab ID#: 2204689-07A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12050306** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/3/22 09:36 AM** | |
| | | **Date of Extraction: 5/2/22** | |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 86 | 60-120 |
| Pyrene-d10 | 88 | 60-120 |
| Benzo(a)pyrene-d12 | 113 | 50-150 |
| Fluoranthene-d10 | 89 | 50-150 |

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**Client Sample ID: CCV**

**Lab ID#: 2204689-08A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12050303** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/3/22 08:06 AM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 92 |
| 2-Methylnaphthalene | 95 |
| 2-Chloronaphthalene | 100 |
| Acenaphthylene | 99 |
| Acenaphthene | 93 |
| Fluorene | 118 |
| Phenanthrene | 92 |
| Anthracene | 91 |
| Fluoranthene | 98 |
| Pyrene | 99 |
| Chrysene | 98 |
| Benzo(a)anthracene | 100 |
| Benzo(b)fluoranthene | 122 |
| Benzo(k)fluoranthene | 114 |
| Benzo(a)pyrene | 114 |
| Indeno(1,2,3-c,d)pyrene | 112 |
| Dibenz(a,h)anthracene | 118 |
| Benzo(g,h,i)perylene | 115 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 119 | 70-130 |
| Pyrene-d10 | 99 | 70-130 |
| Benzo(a)pyrene-d12 | 117 | 70-130 |
| Fluoranthene-d10 | 100 | 70-130 |

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**Client Sample ID: CCV**

**Lab ID#: 2204689-08B**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12050405** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/4/22 09:10 AM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 101 |
| 2-Methylnaphthalene | 103 |
| 2-Chloronaphthalene | 109 |
| Acenaphthylene | 107 |
| Acenaphthene | 100 |
| Fluorene | 100 |
| Phenanthrene | 98 |
| Anthracene | 94 |
| Fluoranthene | 118 |
| Pyrene | 114 |
| Chrysene | 105 |
| Benzo(a)anthracene | 106 |
| Benzo(b)fluoranthene | 157 Q |
| Benzo(k)fluoranthene | 162 Q |
| Benzo(a)pyrene | 128 |
| Indeno(1,2,3-c,d)pyrene | 81 |
| Dibenz(a,h)anthracene | 111 |
| Benzo(g,h,i)perylene | 110 |

Q = Exceeds Quality Control limits.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 104 | 70-130 |
| Pyrene-d10 | 117 | 70-130 |
| Benzo(a)pyrene-d12 | 130 | 70-130 |
| Fluoranthene-d10 | 124 | 70-130 |

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**Client Sample ID: LCS**

**Lab ID#: 2204689-09A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12050304** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/3/22 08:36 AM** | |
| | | **Date of Extraction: 5/2/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 61 | 60-120 |
| 2-Methylnaphthalene | 71 | 60-120 |
| 2-Chloronaphthalene | 74 | 60-120 |
| Acenaphthylene | 72 | 60-120 |
| Acenaphthene | 66 | 60-120 |
| Fluorene | 90 | 60-120 |
| Phenanthrene | 80 | 60-120 |
| Anthracene | 62 | 60-120 |
| Fluoranthene | 84 | 60-120 |
| Pyrene | 84 | 60-120 |
| Chrysene | 84 | 60-120 |
| Benzo(a)anthracene | 88 | 60-120 |
| Benzo(b)fluoranthene | 97 | 60-120 |
| Benzo(k)fluoranthene | 97 | 60-120 |
| Benzo(a)pyrene | 95 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 105 | 60-120 |
| Dibenz(a,h)anthracene | 101 | 60-120 |
| Benzo(g,h,i)perylene | 101 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 99 | 60-120 |
| Pyrene-d10 | 94 | 60-120 |
| Benzo(a)pyrene-d12 | 111 | 50-150 |
| Fluoranthene-d10 | 86 | 50-150 |

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**Client Sample ID: LCSD**

**Lab ID#: 2204689-09AA**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12050305** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/3/22 09:06 AM** | |
| | | **Date of Extraction: 5/2/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 70 | 60-120 |
| 2-Methylnaphthalene | 76 | 60-120 |
| 2-Chloronaphthalene | 84 | 60-120 |
| Acenaphthylene | 77 | 60-120 |
| Acenaphthene | 72 | 60-120 |
| Fluorene | 78 | 60-120 |
| Phenanthrene | 77 | 60-120 |
| Anthracene | 62 | 60-120 |
| Fluoranthene | 82 | 60-120 |
| Pyrene | 84 | 60-120 |
| Chrysene | 83 | 60-120 |
| Benzo(a)anthracene | 85 | 60-120 |
| Benzo(b)fluoranthene | 110 | 60-120 |
| Benzo(k)fluoranthene | 92 | 60-120 |
| Benzo(a)pyrene | 95 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 89 | 60-120 |
| Dibenz(a,h)anthracene | 92 | 60-120 |
| Benzo(g,h,i)perylene | 98 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 82 | 60-120 |
| Pyrene-d10 | 87 | 60-120 |
| Benzo(a)pyrene-d12 | 105 | 50-150 |
| Fluoranthene-d10 | 78 | 50-150 |

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5/16/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th St.
Project #: 0529307
Workorder #: 2205027

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 5/3/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-13A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Kathleen Kaneko

Project Manager

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# WORK ORDER #: 2205027

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 012633-1107 |
| **FAX:** | | **PROJECT #** | 0529307 Champaign 5th St. |
| **DATE RECEIVED:** | 05/03/2022 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 05/16/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20220427-29-SE-SAM1 | Modified TO-13A |
| 02A | 20220427-29-NE-SAM2 | Modified TO-13A |
| 03A | 20220427-29-SE-SAM3 | Modified TO-13A |
| 04A | 20220427-29-NW-SAM4 | Modified TO-13A |
| 05A | 20220427-29-SW-SAM5 | Modified TO-13A |
| 06A | 20220427-29-SAM6 | Modified TO-13A |
| 07A | Lab Blank | Modified TO-13A |
| 08A | CCV | Modified TO-13A |
| 09A | LCS | Modified TO-13A |
| 09AA | LCSD | Modified TO-13A |

CERTIFIED BY: DATE: 05/16/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

*This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.*

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**Modified TO-13A**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2205027**

Six PUF/XAD Cartridge-Low Volume samples were received on May 03, 2022. The laboratory performed the analysis for polycyclic aromatic hydrocarbons in air by modified EPA Method TO-13A. The PUF/XAD samples were extracted using Pressurized Fluid Extraction (PFE) by EPA Method 3545A. The sample extract was then concentrated to 1.0 mL and analyzed by GC/MS in the full scan mode.

To meet the quality control objectives outlined in Method TO-13A, a field blank is required for each sampling episode. If field blanks are not provided to the laboratory, any attendant risk to data quality is the responsibility of the data user.

The frequency of matrix spikes are determined by the different monitoring programs. Matrix spikes are not included in the routine calibration specifications for TO-13A.

| ***Requirement*** | ***TO-13A*** | ***ATL Modifications*** |
|---|---|---|
| Initial Calibration | Calibration range: 0.1-2.5 ug/mL in Hexane | Calibration range: 1.0-500 ug/mL in Methylene chloride |
| Method Blank | <MDL | <Reporting limit |
| Surrogate Recoveries | 60-120% | 50-150% for Field Surrogates<br>Fluoranthene-d10 and Benzo(a)pyrene-d12 |

## Receiving Notes

There were no receiving discrepancies.

## Analytical Notes

The sample cartridges were pre-spiked with Fluoranthene-d10 and Benzo(a)Pyrene-d12 on 04/21/2022.

All Quality Control Limit exceedances and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

Recovery of surrogate Pyrene-d10 was above specified control limits in samples 20220427-29-SE-SAM1 and 20220427-29-SW-SAM5. Data is reported as qualified.

## Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
E - Exceeds instrument calibration range.
Q - Exceeds quality control limits.
S - Saturated peak.

J - Estimated value.
B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

**Client Sample ID: 20220427-29-SE-SAM1**

**Lab ID#: 2205027-01A**

No Detections Were Found.

**Client Sample ID: 20220427-29-NE-SAM2**

**Lab ID#: 2205027-02A**

No Detections Were Found.

**Client Sample ID: 20220427-29-SE-SAM3**

**Lab ID#: 2205027-03A**

No Detections Were Found.

**Client Sample ID: 20220427-29-NW-SAM4**

**Lab ID#: 2205027-04A**

No Detections Were Found.

**Client Sample ID: 20220427-29-SW-SAM5**

**Lab ID#: 2205027-05A**

No Detections Were Found.

**Client Sample ID: 20220427-29-SAM6**

**Lab ID#: 2205027-06A**

No Detections Were Found.

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**Client Sample ID: 20220427-29-SE-SAM1**

**Lab ID#: 2205027-01A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12050422** | **Date of Collection: 4/27/22 8:27:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/4/22 05:40 PM** |
| | | **Date of Extraction: 5/3/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

Q = Exceeds Quality Control limits.

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 80 | 60-120 |
| Pyrene-d10 | 122 Q | 60-120 |
| Benzo(a)pyrene-d12 | 98 | 50-150 |
| Fluoranthene-d10 | 79 | 50-150 |

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**Client Sample ID: 20220427-29-NE-SAM2**

**Lab ID#: 2205027-02A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12050423** | **Date of Collection: 4/27/22 8:38:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/4/22 06:10 PM** |
| | | **Date of Extraction: 5/3/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 80 | 60-120 |
| Pyrene-d10 | 91 | 60-120 |
| Benzo(a)pyrene-d12 | 104 | 50-150 |
| Fluoranthene-d10 | 74 | 50-150 |

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**Client Sample ID: 20220427-29-SE-SAM3**

**Lab ID#: 2205027-03A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12050424** | **Date of Collection: 4/27/22 8:20:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/4/22 06:40 PM** |
| | | **Date of Extraction: 5/3/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 83 | 60-120 |
| Pyrene-d10 | 107 | 60-120 |
| Benzo(a)pyrene-d12 | 99 | 50-150 |
| Fluoranthene-d10 | 73 | 50-150 |

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**Client Sample ID: 20220427-29-NW-SAM4**

**Lab ID#: 2205027-04A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12050425** | **Date of Collection: 4/27/22 8:43:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/4/22 07:10 PM** |
| | | **Date of Extraction: 5/3/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 84 | 60-120 |
| Pyrene-d10 | 106 | 60-120 |
| Benzo(a)pyrene-d12 | 98 | 50-150 |
| Fluoranthene-d10 | 81 | 50-150 |

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**Client Sample ID: 20220427-29-SW-SAM5**

**Lab ID#: 2205027-05A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12050426** | **Date of Collection: 4/27/22 8:53:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/4/22 07:40 PM** |
| | | **Date of Extraction: 5/3/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

Q = Exceeds Quality Control limits.

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 82 | 60-120 |
| Pyrene-d10 | 126 Q | 60-120 |
| Benzo(a)pyrene-d12 | 104 | 50-150 |
| Fluoranthene-d10 | 76 | 50-150 |

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**Client Sample ID: 20220427-29-SAM6**

**Lab ID#: 2205027-06A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12050427** | **Date of Collection: 4/27/22 9:00:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/4/22 08:10 PM** |
| | | **Date of Extraction: 5/3/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 82 | 60-120 |
| Pyrene-d10 | 98 | 60-120 |
| Benzo(a)pyrene-d12 | 104 | 50-150 |
| Fluoranthene-d10 | 73 | 50-150 |

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**Client Sample ID: Lab Blank**

**Lab ID#: 2205027-07A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12050408** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/4/22 10:40 AM** | |
| | | **Date of Extraction: 5/3/22** | |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 88 | 60-120 |
| Pyrene-d10 | 91 | 60-120 |
| Benzo(a)pyrene-d12 | 118 | 50-150 |
| Fluoranthene-d10 | 85 | 50-150 |

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**Client Sample ID: CCV**

**Lab ID#: 2205027-08A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12050405** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/4/22 09:10 AM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 101 |
| 2-Methylnaphthalene | 103 |
| 2-Chloronaphthalene | 109 |
| Acenaphthylene | 107 |
| Acenaphthene | 100 |
| Fluorene | 100 |
| Phenanthrene | 98 |
| Anthracene | 94 |
| Fluoranthene | 118 |
| Pyrene | 114 |
| Chrysene | 105 |
| Benzo(a)anthracene | 106 |
| Benzo(b)fluoranthene | 157 Q |
| Benzo(k)fluoranthene | 162 Q |
| Benzo(a)pyrene | 128 |
| Indeno(1,2,3-c,d)pyrene | 81 |
| Dibenz(a,h)anthracene | 111 |
| Benzo(g,h,i)perylene | 110 |

Q = Exceeds Quality Control limits.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 104 | 70-130 |
| Pyrene-d10 | 117 | 70-130 |
| Benzo(a)pyrene-d12 | 130 | 70-130 |
| Fluoranthene-d10 | 124 | 70-130 |

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**Client Sample ID: LCS**

**Lab ID#: 2205027-09A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12050406** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/4/22 09:40 AM** | |
| | | **Date of Extraction: 5/3/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 67 | 60-120 |
| 2-Methylnaphthalene | 71 | 60-120 |
| 2-Chloronaphthalene | 81 | 60-120 |
| Acenaphthylene | 75 | 60-120 |
| Acenaphthene | 68 | 60-120 |
| Fluorene | 73 | 60-120 |
| Phenanthrene | 74 | 60-120 |
| Anthracene | 73 | 60-120 |
| Fluoranthene | 77 | 60-120 |
| Pyrene | 89 | 60-120 |
| Chrysene | 79 | 60-120 |
| Benzo(a)anthracene | 85 | 60-120 |
| Benzo(b)fluoranthene | 91 | 60-120 |
| Benzo(k)fluoranthene | 90 | 60-120 |
| Benzo(a)pyrene | 95 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 66 | 60-120 |
| Dibenz(a,h)anthracene | 78 | 60-120 |
| Benzo(g,h,i)perylene | 78 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 82 | 60-120 |
| Pyrene-d10 | 101 | 60-120 |
| Benzo(a)pyrene-d12 | 111 | 50-150 |
| Fluoranthene-d10 | 79 | 50-150 |

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**Client Sample ID: LCSD**

**Lab ID#: 2205027-09AA**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12050407** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/4/22 10:10 AM** | |
| | | **Date of Extraction: 5/3/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 64 | 60-120 |
| 2-Methylnaphthalene | 68 | 60-120 |
| 2-Chloronaphthalene | 76 | 60-120 |
| Acenaphthylene | 70 | 60-120 |
| Acenaphthene | 63 | 60-120 |
| Fluorene | 66 | 60-120 |
| Phenanthrene | 67 | 60-120 |
| Anthracene | 65 | 60-120 |
| Fluoranthene | 66 | 60-120 |
| Pyrene | 88 | 60-120 |
| Chrysene | 70 | 60-120 |
| Benzo(a)anthracene | 76 | 60-120 |
| Benzo(b)fluoranthene | 87 | 60-120 |
| Benzo(k)fluoranthene | 86 | 60-120 |
| Benzo(a)pyrene | 82 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 64 | 60-120 |
| Dibenz(a,h)anthracene | 81 | 60-120 |
| Benzo(g,h,i)perylene | 82 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 73 | 60-120 |
| Pyrene-d10 | 98 | 60-120 |
| Benzo(a)pyrene-d12 | 92 | 50-150 |
| Fluoranthene-d10 | 65 | 50-150 |

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5/16/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th St.
Project #: 0529307
Workorder #: 2205029

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 5/3/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-13A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

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# WORK ORDER #: 2205029

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 012633-1107 |
| **FAX:** | | **PROJECT #** | 0529307 Champaign 5th St. |
| **DATE RECEIVED:** | 05/03/2022 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 05/16/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20220429-0502-SE-SAM1 | Modified TO-13A |
| 02A | 20220429-0502-NE-SAM2 | Modified TO-13A |
| 03A | 20220429-0502-SE-SAM3 | Modified TO-13A |
| 04A | 20220429-0502-NW-SAM4 | Modified TO-13A |
| 05A | 20220429-0502-SW-SAM5 | Modified TO-13A |
| 06A | 20220429-0502-SAM6 | Modified TO-13A |
| 07A | Lab Blank | Modified TO-13A |
| 08A | CCV | Modified TO-13A |
| 09A | LCS | Modified TO-13A |
| 09AA | LCSD | Modified TO-13A |

CERTIFIED BY: Heidi Hayes DATE: 05/16/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**Modified TO-13A**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2205029**

Six PUF/XAD Cartridge-Low Volume samples were received on May 03, 2022. The laboratory performed the analysis for polycyclic aromatic hydrocarbons in air by modified EPA Method TO-13A. The PUF/XAD samples were extracted using Pressurized Fluid Extraction (PFE) by EPA Method 3545A. The sample extract was then concentrated to 1.0 mL and analyzed by GC/MS in the full scan mode.

To meet the quality control objectives outlined in Method TO-13A, a field blank is required for each sampling episode. If field blanks are not provided to the laboratory, any attendant risk to data quality is the responsibility of the data user.

The frequency of matrix spikes are determined by the different monitoring programs. Matrix spikes are not included in the routine calibration specifications for TO-13A.

| ***Requirement*** | ***TO-13A*** | ***ATL Modifications*** |
|---|---|---|
| Initial Calibration | Calibration range: 0.1-2.5 ug/mL in Hexane | Calibration range: 1.0-500 ug/mL in Methylene chloride |
| Method Blank | <MDL | <Reporting limit |
| Surrogate Recoveries | 60-120% | 50-150% for Field Surrogates<br>Fluoranthene-d10 and Benzo(a)pyrene-d12 |

**Receiving Notes**

There were no receiving discrepancies.

**Analytical Notes**

The sample cartridges were pre-spiked with Fluoranthene-d10 and Benzo(a)Pyrene-d12 on 04/28/2022.

The recoveries for Naphthalene, Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Anthracene, Fluoranthene, Pyrene, Chrysene, Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Dibenz(a,h)anthracene and Benzo(g,h,i)perylene in the LCS were outside the laboratory control limits. Due to the nature of PUF/XAD2 extraction, it is not possible to re-extract the associated samples. All other LCS recoveries were within allowed limits.

The recovery for Naphthalene in the LCSD was outside the laboratory control limits. Due to the nature of PUF/XAD2 extraction, it is not possible to re-extract the associated samples. All other LCSD recoveries were within allowed limits.

The Relative Percent Difference (RPD) of the LCS/LCSD exceeded acceptance limits for Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Anthracene, Fluoranthene, Pyrene, Chrysene, Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-c,d)pyrene, Dibenz(a,h)anthracene and Benzo(g,h,i)perylene.

Recovery of surrogates Fluorene-d10 and Pyrene-d10 were below specified control limits in sample LCS. Data is reported as qualified.

**Definition of Data Qualifying Flags**

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
E - Exceeds instrument calibration range.
Q - Exceeds quality control limits.
S - Saturated peak.
J - Estimated value.
B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

**Client Sample ID: 20220429-0502-SE-SAM1**

**Lab ID#: 2205029-01A**

No Detections Were Found.

**Client Sample ID: 20220429-0502-NE-SAM2**

**Lab ID#: 2205029-02A**

No Detections Were Found.

**Client Sample ID: 20220429-0502-SE-SAM3**

**Lab ID#: 2205029-03A**

No Detections Were Found.

**Client Sample ID: 20220429-0502-NW-SAM4**

**Lab ID#: 2205029-04A**

No Detections Were Found.

**Client Sample ID: 20220429-0502-SW-SAM5**

**Lab ID#: 2205029-05A**

No Detections Were Found.

**Client Sample ID: 20220429-0502-SAM6**

**Lab ID#: 2205029-06A**

No Detections Were Found.

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**Client Sample ID: 20220429-0502-SE-SAM1**

**Lab ID#: 2205029-01A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12051043** | **Date of Collection: 5/2/22 8:10:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/11/22 04:01 AM** |
| | | **Date of Extraction: 5/5/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 81 | 60-120 |
| Pyrene-d10 | 77 | 60-120 |
| Benzo(a)pyrene-d12 | 74 | 50-150 |
| Fluoranthene-d10 | 77 | 50-150 |

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**Client Sample ID: 20220429-0502-NE-SAM2**

**Lab ID#: 2205029-02A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12051044** | **Date of Collection: 5/2/22 8:22:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/11/22 04:31 AM** |
| | | **Date of Extraction: 5/5/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 90 | 60-120 |
| Pyrene-d10 | 84 | 60-120 |
| Benzo(a)pyrene-d12 | 99 | 50-150 |
| Fluoranthene-d10 | 92 | 50-150 |

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**Client Sample ID: 20220429-0502-SE-SAM3**

**Lab ID#: 2205029-03A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12051045** | **Date of Collection: 5/2/22 8:05:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/11/22 05:01 AM** |
| | | **Date of Extraction: 5/5/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 88 | 60-120 |
| Pyrene-d10 | 87 | 60-120 |
| Benzo(a)pyrene-d12 | 97 | 50-150 |
| Fluoranthene-d10 | 90 | 50-150 |

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**Client Sample ID: 20220429-0502-NW-SAM4**

**Lab ID#: 2205029-04A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12051046** | **Date of Collection: 5/2/22 8:27:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/11/22 05:31 AM** |
| | | **Date of Extraction: 5/5/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 90 | 60-120 |
| Pyrene-d10 | 85 | 60-120 |
| Benzo(a)pyrene-d12 | 88 | 50-150 |
| Fluoranthene-d10 | 90 | 50-150 |

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**Client Sample ID: 20220429-0502-SW-SAM5**

**Lab ID#: 2205029-05A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12051047** | **Date of Collection: 5/2/22 8:38:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/11/22 06:00 AM** |
| | | **Date of Extraction: 5/5/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 78 | 60-120 |
| Pyrene-d10 | 85 | 60-120 |
| Benzo(a)pyrene-d12 | 84 | 50-150 |
| Fluoranthene-d10 | 74 | 50-150 |

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**Client Sample ID: 20220429-0502-SAM6**

**Lab ID#: 2205029-06A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12051048** | **Date of Collection: 5/2/22 8:41:00 AM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/11/22 06:30 AM** |
| | | **Date of Extraction: 5/5/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 80 | 60-120 |
| Pyrene-d10 | 85 | 60-120 |
| Benzo(a)pyrene-d12 | 96 | 50-150 |
| Fluoranthene-d10 | 83 | 50-150 |

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**Client Sample ID: Lab Blank**

**Lab ID#: 2205029-07A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12051028** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/10/22 08:33 PM** | |
| | | **Date of Extraction: 5/5/22** | |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 95 | 60-120 |
| Pyrene-d10 | 84 | 60-120 |
| Benzo(a)pyrene-d12 | 106 | 50-150 |
| Fluoranthene-d10 | 96 | 50-150 |

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**Client Sample ID: CCV**

**Lab ID#: 2205029-08A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12051025** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/10/22 07:03 PM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 90 |
| 2-Methylnaphthalene | 93 |
| 2-Chloronaphthalene | 94 |
| Acenaphthylene | 90 |
| Acenaphthene | 90 |
| Fluorene | 94 |
| Phenanthrene | 90 |
| Anthracene | 92 |
| Fluoranthene | 97 |
| Pyrene | 89 |
| Chrysene | 94 |
| Benzo(a)anthracene | 92 |
| Benzo(b)fluoranthene | 90 |
| Benzo(k)fluoranthene | 96 |
| Benzo(a)pyrene | 96 |
| Indeno(1,2,3-c,d)pyrene | 112 |
| Dibenz(a,h)anthracene | 103 |
| Benzo(g,h,i)perylene | 102 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 93 | 70-130 |
| Pyrene-d10 | 86 | 70-130 |
| Benzo(a)pyrene-d12 | 97 | 70-130 |
| Fluoranthene-d10 | 94 | 70-130 |

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**Client Sample ID: LCS**

**Lab ID#: 2205029-09A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12051026** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/10/22 07:33 PM** | |
| | | **Date of Extraction: 5/5/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 46 Q | 60-120 |
| 2-Methylnaphthalene | 50 Q | 60-120 |
| 2-Chloronaphthalene | 49 Q | 60-120 |
| Acenaphthylene | 46 Q | 60-120 |
| Acenaphthene | 45 Q | 60-120 |
| Fluorene | 50 Q | 60-120 |
| Phenanthrene | 49 Q | 60-120 |
| Anthracene | 50 Q | 60-120 |
| Fluoranthene | 54 Q | 60-120 |
| Pyrene | 46 Q | 60-120 |
| Chrysene | 50 Q | 60-120 |
| Benzo(a)anthracene | 49 Q | 60-120 |
| Benzo(b)fluoranthene | 47 Q | 60-120 |
| Benzo(k)fluoranthene | 48 Q | 60-120 |
| Benzo(a)pyrene | 50 Q | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 62 | 60-120 |
| Dibenz(a,h)anthracene | 54 Q | 60-120 |
| Benzo(g,h,i)perylene | 55 Q | 60-120 |

Q = Exceeds Quality Control limits.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 50 Q | 60-120 |
| Pyrene-d10 | 46 Q | 60-120 |
| Benzo(a)pyrene-d12 | 56 | 50-150 |
| Fluoranthene-d10 | 50 | 50-150 |

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**Client Sample ID: LCSD**

**Lab ID#: 2205029-09AA**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12051027** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/10/22 08:03 PM** | |
| | | **Date of Extraction: 5/5/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 58 Q | 60-120 |
| 2-Methylnaphthalene | 72 | 60-120 |
| 2-Chloronaphthalene | 69 | 60-120 |
| Acenaphthylene | 64 | 60-120 |
| Acenaphthene | 64 | 60-120 |
| Fluorene | 74 | 60-120 |
| Phenanthrene | 75 | 60-120 |
| Anthracene | 71 | 60-120 |
| Fluoranthene | 84 | 60-120 |
| Pyrene | 72 | 60-120 |
| Chrysene | 78 | 60-120 |
| Benzo(a)anthracene | 78 | 60-120 |
| Benzo(b)fluoranthene | 76 | 60-120 |
| Benzo(k)fluoranthene | 78 | 60-120 |
| Benzo(a)pyrene | 78 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 106 | 60-120 |
| Dibenz(a,h)anthracene | 90 | 60-120 |
| Benzo(g,h,i)perylene | 92 | 60-120 |

Q = Exceeds Quality Control limits.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 73 | 60-120 |
| Pyrene-d10 | 74 | 60-120 |
| Benzo(a)pyrene-d12 | 91 | 50-150 |
| Fluoranthene-d10 | 82 | 50-150 |

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5/16/2022
Mr. Brian O'Shea
ERM Northern Division (formerly ERM-North Central)
125 South Wacker
Suite 2500
Chicago IL 60606

Project Name: Champaign 5th St.
Project #: 0529307
Workorder #: 2205033

Dear Mr. Brian O'Shea

The following report includes the data for the above referenced project for sample(s) received on 5/3/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-13A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kathleen Kaneko at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kathleen Kaneko

Project Manager

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# WORK ORDER #: 2205033

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Brian O'Shea<br>ERM Northern Division (formerly ERM-North Central)<br>125 South Wacker<br>Suite 2500<br>Chicago, IL 60606 | **BILL TO:** | Accounts Payable<br>ERM Northern Division (formerly ERM-North Central)<br>One Continental Towers<br>1701 Golf Road, Suite 1-700 |
| **PHONE:** | 312-726-4801 | **P.O. #** | 012633-1107 |
| **FAX:** | | **PROJECT #** | 0529307 Champaign 5th St. |
| **DATE RECEIVED:** | 05/03/2022 | **CONTACT:** | Kathleen Kaneko |
| **DATE COMPLETED:** | 05/16/2022 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 20220502-02-SE-SAM1 | Modified TO-13A |
| 02A | 20220502-02-NE-SAM2 | Modified TO-13A |
| 03A | 20220502-02-SE-SAM3 | Modified TO-13A |
| 04A | 20220502-02-NW-SAM4 | Modified TO-13A |
| 05A | 20220502-02-SW-SAM5 | Modified TO-13A |
| 06A | 20220502-02-SAM6 | Modified TO-13A |
| 07A | Lab Blank | Modified TO-13A |
| 08A | CCV | Modified TO-13A |
| 08B | CCV | Modified TO-13A |
| 09A | LCS | Modified TO-13A |
| 09AA | LCSD | Modified TO-13A |

CERTIFIED BY: DATE: 05/16/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

*This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.*

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**
**Modified TO-13A**
**ERM Northern Division (formerly ERM-North Central)**
**Workorder# 2205033**

Six PUF/XAD Cartridge-Low Volume samples were received on May 03, 2022. The laboratory performed the analysis for polycyclic aromatic hydrocarbons in air by modified EPA Method TO-13A. The PUF/XAD samples were extracted using Pressurized Fluid Extraction (PFE) by EPA Method 3545A. The sample extract was then concentrated to 1.0 mL and analyzed by GC/MS in the full scan mode.

To meet the quality control objectives outlined in Method TO-13A, a field blank is required for each sampling episode. If field blanks are not provided to the laboratory, any attendant risk to data quality is the responsibility of the data user.

The frequency of matrix spikes are determined by the different monitoring programs. Matrix spikes are not included in the routine calibration specifications for TO-13A.

| ***Requirement*** | ***TO-13A*** | ***ATL Modifications*** |
|---|---|---|
| Initial Calibration | Calibration range: 0.1-2.5 ug/mL in Hexane | Calibration range: 1.0-500 ug/mL in Methylene chloride |
| Method Blank | <MDL | <Reporting limit |
| Surrogate Recoveries | 60-120% | 50-150% for Field Surrogates<br>Fluoranthene-d10 and Benzo(a)pyrene-d12 |

## Receiving Notes

The Chain of Custody (COC) information for samples 20220502-02-NE-SAM2, 20220502-02-SE-SAM3, 20220502-02-NW-SAM4, 20220502-02-SW-SAM5 and 20220502-02-SAM6 did not match the entries on the sample tags with regard to sample identification. Therefore the information on the COC was used to process and report the samples.

## Analytical Notes

The sample cartridges were pre-spiked with Fluoranthene-d10 and Benzo(a)Pyrene-d12 on 04/28/2022.

The Relative Percent Difference (RPD) of the LCS/LCSD exceeded acceptance limits for Indeno(1,2,3-c,d)pyrene.

## Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
E - Exceeds instrument calibration range.
Q - Exceeds quality control limits.
S - Saturated peak.
J - Estimated value.
B - Compound present in laboratory blank greater than reporting limit (background subtraction not

performed).
U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

**Client Sample ID: 20220502-02-SE-SAM1**

**Lab ID#: 2205033-01A**

No Detections Were Found.

**Client Sample ID: 20220502-02-NE-SAM2**

**Lab ID#: 2205033-02A**

No Detections Were Found.

**Client Sample ID: 20220502-02-SE-SAM3**

**Lab ID#: 2205033-03A**

No Detections Were Found.

**Client Sample ID: 20220502-02-NW-SAM4**

**Lab ID#: 2205033-04A**

No Detections Were Found.

**Client Sample ID: 20220502-02-SW-SAM5**

**Lab ID#: 2205033-05A**

No Detections Were Found.

**Client Sample ID: 20220502-02-SAM6**

**Lab ID#: 2205033-06A**

No Detections Were Found.

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**Client Sample ID: 20220502-02-SE-SAM1**

**Lab ID#: 2205033-01A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12051123** | **Date of Collection: 5/2/22 12:57:00 PM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/11/22 11:24 PM** |
| | | **Date of Extraction: 5/6/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 82 | 60-120 |
| Pyrene-d10 | 96 | 60-120 |
| Benzo(a)pyrene-d12 | 91 | 50-150 |
| Fluoranthene-d10 | 76 | 50-150 |

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**Client Sample ID: 20220502-02-NE-SAM2**

**Lab ID#: 2205033-02A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12051124** | **Date of Collection: 5/2/22 1:08:00 PM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/11/22 11:54 PM** |
| | | **Date of Extraction: 5/6/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 68 | 60-120 |
| Pyrene-d10 | 75 | 60-120 |
| Benzo(a)pyrene-d12 | 79 | 50-150 |
| Fluoranthene-d10 | 72 | 50-150 |

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**Client Sample ID: 20220502-02-SE-SAM3**

**Lab ID#: 2205033-03A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12051125** | **Date of Collection:** | **5/2/22 1:00:00 PM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis:** | **5/12/22 12:24 AM** |
| | | **Date of Extraction:** | **5/6/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 75 | 60-120 |
| Pyrene-d10 | 80 | 60-120 |
| Benzo(a)pyrene-d12 | 85 | 50-150 |
| Fluoranthene-d10 | 71 | 50-150 |

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**Client Sample ID: 20220502-02-NW-SAM4**

**Lab ID#: 2205033-04A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12051126** | **Date of Collection: 5/2/22 1:14:00 PM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/12/22 12:54 AM** |
| | | **Date of Extraction: 5/6/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 86 | 60-120 |
| Pyrene-d10 | 85 | 60-120 |
| Benzo(a)pyrene-d12 | 97 | 50-150 |
| Fluoranthene-d10 | 85 | 50-150 |

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**Client Sample ID: 20220502-02-SW-SAM5**

**Lab ID#: 2205033-05A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12051232** | **Date of Collection: 5/2/22 1:21:00 PM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/13/22 05:37 AM** |
| | | **Date of Extraction: 5/6/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 85 | 60-120 |
| Pyrene-d10 | 112 | 60-120 |
| Benzo(a)pyrene-d12 | 97 | 50-150 |
| Fluoranthene-d10 | 81 | 50-150 |

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**Client Sample ID: 20220502-02-SAM6**

**Lab ID#: 2205033-06A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12051233** | **Date of Collection: 5/2/22 1:25:00 PM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/13/22 06:07 AM** |
| | | **Date of Extraction: 5/6/22** |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 82 | 60-120 |
| Pyrene-d10 | 98 | 60-120 |
| Benzo(a)pyrene-d12 | 99 | 50-150 |
| Fluoranthene-d10 | 87 | 50-150 |

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**Client Sample ID: Lab Blank**

**Lab ID#: 2205033-07A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12051108** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/11/22 03:55 PM** | |
| | | **Date of Extraction: 5/6/22** | |

| Compound | Rpt. Limit (ug) | Amount (ug) |
|---|---|---|
| Naphthalene | 1.0 | Not Detected |
| 2-Methylnaphthalene | 1.0 | Not Detected |
| 2-Chloronaphthalene | 1.0 | Not Detected |
| Acenaphthylene | 1.0 | Not Detected |
| Acenaphthene | 1.0 | Not Detected |
| Fluorene | 1.0 | Not Detected |
| Phenanthrene | 1.0 | Not Detected |
| Anthracene | 1.0 | Not Detected |
| Fluoranthene | 1.0 | Not Detected |
| Pyrene | 1.0 | Not Detected |
| Chrysene | 1.0 | Not Detected |
| Benzo(a)anthracene | 1.0 | Not Detected |
| Benzo(b)fluoranthene | 1.0 | Not Detected |
| Benzo(k)fluoranthene | 1.0 | Not Detected |
| Benzo(a)pyrene | 1.0 | Not Detected |
| Indeno(1,2,3-c,d)pyrene | 1.0 | Not Detected |
| Dibenz(a,h)anthracene | 1.0 | Not Detected |
| Benzo(g,h,i)perylene | 1.0 | Not Detected |

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 82 | 60-120 |
| Pyrene-d10 | 68 | 60-120 |
| Benzo(a)pyrene-d12 | 98 | 50-150 |
| Fluoranthene-d10 | 93 | 50-150 |

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**Client Sample ID: CCV**

**Lab ID#: 2205033-08A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12051103** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/11/22 01:25 PM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 92 |
| 2-Methylnaphthalene | 91 |
| 2-Chloronaphthalene | 95 |
| Acenaphthylene | 92 |
| Acenaphthene | 90 |
| Fluorene | 94 |
| Phenanthrene | 92 |
| Anthracene | 92 |
| Fluoranthene | 97 |
| Pyrene | 92 |
| Chrysene | 94 |
| Benzo(a)anthracene | 91 |
| Benzo(b)fluoranthene | 106 |
| Benzo(k)fluoranthene | 92 |
| Benzo(a)pyrene | 96 |
| Indeno(1,2,3-c,d)pyrene | 90 |
| Dibenz(a,h)anthracene | 92 |
| Benzo(g,h,i)perylene | 90 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 92 | 70-130 |
| Pyrene-d10 | 88 | 70-130 |
| Benzo(a)pyrene-d12 | 96 | 70-130 |
| Fluoranthene-d10 | 94 | 70-130 |

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**Client Sample ID: CCV**

**Lab ID#: 2205033-08B**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12051227** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/13/22 03:08 AM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Naphthalene | 89 |
| 2-Methylnaphthalene | 88 |
| 2-Chloronaphthalene | 94 |
| Acenaphthylene | 87 |
| Acenaphthene | 89 |
| Fluorene | 86 |
| Phenanthrene | 89 |
| Anthracene | 89 |
| Fluoranthene | 78 |
| Pyrene | 99 |
| Chrysene | 90 |
| Benzo(a)anthracene | 88 |
| Benzo(b)fluoranthene | 88 |
| Benzo(k)fluoranthene | 90 |
| Benzo(a)pyrene | 90 |
| Indeno(1,2,3-c,d)pyrene | 104 |
| Dibenz(a,h)anthracene | 99 |
| Benzo(g,h,i)perylene | 98 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 86 | 70-130 |
| Pyrene-d10 | 96 | 70-130 |
| Benzo(a)pyrene-d12 | 91 | 70-130 |
| Fluoranthene-d10 | 74 | 70-130 |

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**Client Sample ID: LCS**

**Lab ID#: 2205033-09A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **12051106** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/11/22 02:55 PM** | |
| | | **Date of Extraction: 5/6/22** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 69 | 60-120 |
| 2-Methylnaphthalene | 76 | 60-120 |
| 2-Chloronaphthalene | 75 | 60-120 |
| Acenaphthylene | 72 | 60-120 |
| Acenaphthene | 70 | 60-120 |
| Fluorene | 80 | 60-120 |
| Phenanthrene | 84 | 60-120 |
| Anthracene | 81 | 60-120 |
| Fluoranthene | 89 | 60-120 |
| Pyrene | 85 | 60-120 |
| Chrysene | 87 | 60-120 |
| Benzo(a)anthracene | 89 | 60-120 |
| Benzo(b)fluoranthene | 90 | 60-120 |
| Benzo(k)fluoranthene | 94 | 60-120 |
| Benzo(a)pyrene | 90 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 81 | 60-120 |
| Dibenz(a,h)anthracene | 84 | 60-120 |
| Benzo(g,h,i)perylene | 83 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 88 | 60-120 |
| Pyrene-d10 | 92 | 60-120 |
| Benzo(a)pyrene-d12 | 103 | 50-150 |
| Fluoranthene-d10 | 86 | 50-150 |

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**Client Sample ID: LCSD**

**Lab ID#: 2205033-09AA**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

| | | |
|---|---|---|
| **File Name:** | **12051107** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/11/22 03:25 PM** |
| | | **Date of Extraction: 5/6/22** |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Naphthalene | 79 | 60-120 |
| 2-Methylnaphthalene | 86 | 60-120 |
| 2-Chloronaphthalene | 82 | 60-120 |
| Acenaphthylene | 77 | 60-120 |
| Acenaphthene | 76 | 60-120 |
| Fluorene | 86 | 60-120 |
| Phenanthrene | 84 | 60-120 |
| Anthracene | 86 | 60-120 |
| Fluoranthene | 102 | 60-120 |
| Pyrene | 72 | 60-120 |
| Chrysene | 88 | 60-120 |
| Benzo(a)anthracene | 88 | 60-120 |
| Benzo(b)fluoranthene | 82 | 60-120 |
| Benzo(k)fluoranthene | 84 | 60-120 |
| Benzo(a)pyrene | 86 | 60-120 |
| Indeno(1,2,3-c,d)pyrene | 120 | 60-120 |
| Dibenz(a,h)anthracene | 93 | 60-120 |
| Benzo(g,h,i)perylene | 92 | 60-120 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Fluorene-d10 | 87 | 60-120 |
| Pyrene-d10 | 74 | 60-120 |
| Benzo(a)pyrene-d12 | 95 | 50-150 |
| Fluoranthene-d10 | 94 | 50-150 |

# APPENDIX G INSTRUMENT CALIBRATION FORMS

# *Calibration certificate*

Dräger

| | |
|---|---|
| Instrument: | Dräger X-pid xx00 sensor unit |
| Serial number: | KRMH-0203 |
| Part number: | 6850003 |
| Date of calibration: | 12/13/2021, 14:16:17 |
| Date of functional test: | 12/13/2021, 14:23:54 |
| Mobile App Version: | 1.7.0 |
| Firmware Version: | Release_2,2,3 |
| Hardware Version: | 01a-1 |

Used calibration standards:

| Measurand | Calibrated with | Concentration | Lot number | Part number | Valid until |
|---|---|---|---|---|---|
| Gas | Toluene C7H8 | 10.0 ppm | 1350584 | 3701900 | 07/16/2021 |
| Gas | Isobutylene C4H8 | 10.0 ppm | 1350584 | 3701900 | 07/16/2021 |

Calibration results (set value):

| Sensitivity | Value |
|---|---|
| Seeker | N/A |
| Analysis | 114 % |
| GC factor gradient | 0.0179 |

| Sensitivity | Value |
|---|---|
| GC suction | 22.69 hPa |
| Column | 3009 |

Functional test results:

| Measurement mode | Target compound | Test result |
|---|---|---|
| Seeker | N/A | N/A |
| Analysis | Isobutylene | OK |
| Analysis | Toluene | OK |

**The instrument passed final tests.**

*This certificate was created by an automatic calibration and inspection system and is valid without being signed.*

Issue date of certificate: 12/13/2021, 15:42:26

Dräger Safety AG & Co. KGaA
Revalstraße 1
D-23560 Lübeck
Tel. +49 451 8 82-0
Fax +49 451 8 82-2080
www.draeger.com

Registered office: Lübeck
Commercial register:
Local court Lübeck HRB 4097 HL

Chairman of the supervisory board:
Stefan Lauer
General partner:
Dräger Safety Verwaltungs AG
Executive board:
Stefan Dräger (chairman)

## Dräger X-pid xx00 data export

Version 1.7.0

## General

| | |
|---|---|
| Date | 12/13/2021 |
| Time | 14:23 |
| Program | Functional test |
| Serial number | KRMH-0203 |
| Project name | Functional test |
| Comment | |
| Location | Palatine, United States |
| Status | Successful |
| Lot number | 1350584 |
| Part number | 3701900 |
| Valid until | 07/16/2021 |

## Measurement mode Analysis

**Target compounds**

| | |
|---|---|
| Isobutylene (6.15 s) | 9.88 ppm |
| Toluene (41.67 s) | 9.83 ppm |

**Other compounds**

none

## Dräger X-pid xx00 data export

Version 1.7.0

## General

| | |
|---|---|
| Date | 12/13/2021 |
| Time | 15:45 |
| Program | Analysis program 1 |
| Serial number | KRMH-0203 |
| Project name | CAE checkout |
| Comment | ambient air |
| Location | Palatine, United States |
| Lot number | 1350584 |
| Part number | 3701900 |
| Valid until | 07/16/2021 |

## Functional test

| | |
|---|---|
| Date | 12/13/2021 |
| Time | 14:23 |
| Status | Passed (valid) |

## Measurement mode Analysis

| | |
|---|---|
| **Target compounds** | |
| Benzene | 0.00 ppm |
| **Other compounds** | |
| unknown (5.45 s) | 0.07 ppm |

## Dräger X-pid xx00 data export

Version 1.7.0

## General

| | |
|---|---|
| Date | 12/13/2021 |
| Time | 14:26 |
| Program | Analysis program 1 |
| Serial number | KRMH-0203 |
| Project name | CAE checkout |
| Comment | 0.5 ppm benzene |
| Location | Palatine, United States |
| Lot number | 1350584 |
| Part number | 3701900 |
| Valid until | 07/16/2021 |

## Functional test

| | |
|---|---|
| Date | 12/13/2021 |
| Time | 14:23 |
| Status | Passed (valid) |

## Measurement mode Analysis

| | |
|---|---|
| **Target compounds** | |
| Benzene (19.31 s) | 0.49 ppm |
| **Other compounds** | |
| unknown (5.74 s) | 0.16 ppm |

# SKC Certificate of Compliance
# AirChek 52 Sampler

This is to certify that the item listed below is in accordance with factory specifications. SKC test equipment is calibrated in accordance with ISO/IEC 17025 utilizing NIST and/or UKAS traceability standards.

Serial Number A119740

| Settings | | Acceptance Criteria | | √ |
|---|---|---|---|---|
| Flow ml/min | BP inches of water | Minimum ml/min | Maximum ml/min | |
| 3000 | 0 | 3000 | 3000 | ✓ |
| | 15 | 2850 | 3150 | ✓ |
| 2500 | 0 | 2500 | 2500 | ✓ |
| | 20 | 2375 | 2625 | ✓ |
| 2000 | 0 | 2000 | 2000 | ✓ |
| | 25 | 1900 | 2100 | ✓ |
| 1000 | 0 | 1000 | 1000 | ✓ |
| | 25 | 950 | 1050 | ✓ |

| Check Points | √ |
|---|---|
| Flow Fault | ✓ |

Technician # 339

Scott Marshall
Quality Assurance Manager

*Form 37384, Rev 1808*

# SKC Certificate of Compliance
# AirChek 52 Sampler

This is to certify that the item listed below is in accordance with factory specifications. SKC test equipment is calibrated in accordance with ISO/IEC 17025 utilizing NIST and/or UKAS traceability standards.

Serial Number A119757

| Settings | | Acceptance Criteria | | ✓ |
|---|---|---|---|---|
| Flow ml/min | BP inches of water | Minimum ml/min | Maximum ml/min | |
| 3000 | 0 | 3000 | 3000 | ✓ |
| | 15 | 2850 | 3150 | ✓ |
| 2500 | 0 | 2500 | 2500 | ✓ |
| | 20 | 2375 | 2625 | ✓ |
| 2000 | 0 | 2000 | 2000 | ✓ |
| | 25 | 1900 | 2100 | ✓ |
| 1000 | 0 | 1000 | 1000 | ✓ |
| | 25 | 950 | 1050 | ✓ |

| Check Points | ✓ |
|---|---|
| Flow Fault | ✓ |

Technician # 339

Scott Marshall
Quality Assurance Manager

*Form 37384, Rev 1808*

# SKC Certificate of Compliance
# AirChek 52 Sampler

This is to certify that the item listed below is in accordance with factory specifications. SKC test equipment is calibrated in accordance with ISO/IEC 17025 utilizing NIST and/or UKAS traceability standards.

Serial Number A119792

| Settings | | Acceptance Criteria | | √ |
|---|---|---|---|---|
| Flow ml/min | BP inches of water | Minimum ml/min | Maximum ml/min | |
| 3000 | 0 | 3000 | 3000 | ✓ |
| | 15 | 2850 | 3150 | ✓ |
| 2500 | 0 | 2500 | 2500 | ✓ |
| | 20 | 2375 | 2625 | ✓ |
| 2000 | 0 | 2000 | 2000 | ✓ |
| | 25 | 1900 | 2100 | ✓ |
| 1000 | 0 | 1000 | 1000 | ✓ |
| | 25 | 950 | 1050 | ✓ |

| Check Points | √ |
|---|---|
| Flow Fault | ✓ |

Technician # 339

Scott Marshall
Quality Assurance Manager

*Form 37384, Rev 1808*

# SKC Certificate of Compliance
# AirChek 52 Sampler

This is to certify that the item listed below is in accordance with factory specifications. SKC test equipment is calibrated in accordance with ISO/IEC 17025 utilizing NIST and/or UKAS traceability standards.

Serial Number 9119800

| Settings | | Acceptance Criteria | | √ |
|---|---|---|---|---|
| Flow ml/min | BP inches of water | Minimum ml/min | Maximum ml/min | |
| 3000 | 0 | 3000 | 3000 | ✓ |
| | 15 | 2850 | 3150 | ✓ |
| 2500 | 0 | 2500 | 2500 | ✓ |
| | 20 | 2375 | 2625 | ✓ |
| 2000 | 0 | 2000 | 2000 | ✓ |
| | 25 | 1900 | 2100 | ✓ |
| 1000 | 0 | 1000 | 1000 | ✓ |
| | 25 | 950 | 1050 | ✓ |

| Check Points | √ |
|---|---|
| Flow Fault | ✓ |

Technician # 339

Scott Marshall
Quality Assurance Manager

*Form 37384, Rev 1808*

# SKC Certificate of Compliance
# AirChek 52 Sampler

This is to certify that the item listed below is in accordance with factory specifications. SKC test equipment is calibrated in accordance with ISO/IEC 17025 utilizing NIST and/or UKAS traceability standards.

Serial Number A119769

| Settings | | Acceptance Criteria | | ✓ |
|---|---|---|---|---|
| Flow ml/min | BP inches of water | Minimum ml/min | Maximum ml/min | |
| 3000 | 0 | 3000 | 3000 | ✓ |
| | 15 | 2850 | 3150 | ✓ |
| 2500 | 0 | 2500 | 2500 | ✓ |
| | 20 | 2375 | 2625 | ✓ |
| 2000 | 0 | 2000 | 2000 | ✓ |
| | 25 | 1900 | 2100 | ✓ |
| 1000 | 0 | 1000 | 1000 | ✓ |
| | 25 | 950 | 1050 | ✓ |

| Check Points | ✓ |
|---|---|
| Flow Fault | ✓ |

Technician # 339

Scott Marshall
Quality Assurance Manager

*Form 37384, Rev 1808*

# APPENDIX H FIELD LOG FORMS

# Air Monitoring Field Log

**Client Company: Ameren**

**Site Location: Champaign Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (OF) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | | | | | | | | | | | |
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## Site Activity Log

| Time | Activity |
|---|---|
| 11:30 | Arrived on site. |
| 12:55 | Brian O'Shea arrived on site |
| 13:00 | Entered Ameren house. Power, electric, heating and water turned on. Determined safe storage site. |
| 13:30 | Moved Equipment into main room. |
| 14:00 | Left for store supplies |
| 17:00 | Returned. Dropped off supplies. End of Day. |
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**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Completed by: Joshua Richards Date: 11/30/21

# Air Monitoring Field Log

**Client Company: Ameren**

**Site Location: Champaign Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (OF) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | | | | | | | | | | | |
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## Site Activity Log

| Time | Activity |
|---|---|
| 07:00 | Arrived on site. Began taking pictures of site for pre-remediation photos. |
| 07:30 | Found man-hole cover |
| 07:50 | Feutz Contractors Inc. (Bob): crew will arrive on site later. Gave number. |
| 08:10 | Jarred Call. |
| 08:30 | Bob (Feutz Contractors Inc.) left site. |
| 09:15 | Matt Halley Called. |
| 09:45 | Surveyor arrived on site (Graham: Farnsworth). Confirmed his duties and began survey. |
| 10:45 | CCG Fiber arrived and marked lines. Located power lines. |
| 11:15 | CCG Fiber finished marking and left site. |
| 11:30 | Graham (surveyor) left for lunch |
| 11:36 | Graham (surveyor) back on site, eating in truck. |
| 12:00 | Broadband phone company arrived to take pictures of lines. |
| 12:30 | Graham (surveyor) back at work |
| 15:20 | Graham (surveyor) finsished for the day. Back either Thursday or Friday. |
| 15:30 | All personnel off site. |
| | |
| | |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Completed by: Joshua Richards Date: 12/01/21

# Air Monitoring Field Log

**Client Company: Ameren**

**Site Location: Champaign Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (OF) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
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## Site Activity Log

| Time | Activity |
|---|---|
| 08:00 | Arrived on site. Began setting up air monitoring stations |
| 17:30 | Determined best locations for stations and supply lists. End of Day |
| | |
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**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Completed by: Joshua Richards Date: 12/02/21

# Air Monitoring Field Log

**Client Company: Ameren**

**Site Location: Champaign Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (OF) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
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## Site Activity Log

| Time | Activity |
|---|---|
| 08:00 | Arrived on site. Began setting up air monitoring stations |
| 09:30 | Went to store for supplies. |
| 10:30 | More supplies needed, left for store. Stuck at train |
| 12:00 | Returned on site |
| 13:00 | Began installation of samples at all locations for air monitoring |
| 15:00 | Finished sample installations |
| 16:00 | End of day all personnel off site. |
| | |
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**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Completed by: Joshua Richards Date: 12/03/21

# Air Monitoring Field Log

**Client Company: Ameren**

**Site Location: Champaign Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (OF) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 14:50 | 37 F | 30.05 | X | | | | | | N | 46% | 10 | NW | S |
| 15:55 | 34 F | 30.07 | X | | | | | | N | 52% | 7 | NW | S |
| | | | | | | | | | | | | | |
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## Site Activity Log

| Time | Activity |
|---|---|
| 07:30 | Arrived on site. O6 dropped off trailer onsite. J.F. Electric (Bob), ERM (Josh R, Paul S.,) onsite |
| 08:00 | Large 4-wheeled loader arrived onsite and off loaded from carrier |
| 08:20 | Office Call |
| 08:40 | 1 load of gravel rock deliverd to build driveway |
| 10:00 | More equipment arrived and unloaded |
| 11:00 | Jersey blocks and traffic control items arrived and unloaded. |
| 11:30 | Jarred (ERM) arrived on site |
| 13:00 | Brian O'Shea (ERM) arrived onsite. |
| 14:00 | Began taking/collecting samples and placed in freezer. |
| 15:00 | Retesting and adjusting flow on VOC samples to 2.00 LPM. All DustTrak monitors appear operational and within flow limits. |
| 17:00 | Finished resetting all samples and battery changes. |
| 17:15 | Staked out 12 positions around the site for consistent PID readings |
| 17:30 | End of day. All personnel offsite. |
| | |
| | |
| | |
| | |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Completed by: Joshua Richards Date: 12/06/21

# Air Monitoring Field Log

**Client Company: Ameren**

**Site Location: Champaign Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (OF) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 1000 | 30 F | 30.28 | X | | | | | | N | 43% | 7 | SE | Overcast |
| 1443 | 33 F | 30.16 | X | | | | | | N | 47% | 9 | SE | Overcast |
| | | | | | | | | | | | | | |
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## Site Activity Log

| Time | Activity |
|---|---|
| 07:00 | Arrived on site. Safety meeting with O6. NOTE: MC = mass concentration (mg/m^3) |
| 08:35 | Changing batteries at all camp locations. |
| 08:40 | SAM3 Battery Changed, Flow = 2.99. MC = 0.006mg/m^3. |
| 08:45 | SAM1 Battery Changed, Flow = 2.98, MC = 0.009mg/m^3. |
| 08:58 | SAM2 Battery Changed, Flow = 3.02, MC = 0.009mg/m^3 |
| 0908 | SAM5 Battery Changed, Flow = 2.89 adjusted to 3.00, MC = 0.010mg/m^3 |
| 0920 | SAM4 Battery Changed, Flow = 2.83 adjusted to 3.00, MC = 0.009mg/m^3 |
| 1000 | PID Calibration: Passed. |
| 1025 | Met Tower back online |
| 1102 | Began PID perimeter check. |
| 1153 | Finished PID perimeter check. All readings = 0.0 ppm. |
| 1425 | Began PID perimeter check |
| 1502 | Finished PID Perimeter check. All readings = 0.0 ppm. |
| 1700 | End of Day |
| | |
| | |
| | |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Completed by: Joshua Richards Date: 12/07/21

# Air Monitoring Field Log

**Client Company: Ameren**

**Site Location: Champaign Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (OF) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0915 | 30 | 30.00 | X | | | | | | N | 75% | 12 | SW | S |
| 1453 | 37 | 30.05 | X | | | | | | N | 46% | 10 | NW | S |
| 1555 | 34 | 30.07 | X | | | | | | N | 52% | 7 | NW | S |
| | | | | | | | | | | | | | |
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## Site Activity Log

| Time | Activity |
|---|---|
| 0700 | Arrived on site. Safety meeting with O6. NOTE: MC = mass concentration (mg/m^3) |
| 0710 | Prepping materials/PID Calibration: Passed |
| 0810 | PID Perimeter Check |
| 0900 | Finished PID Perimeter Check |
| 0930 | Left for office trailer supplies |
| 1030 | Back onsite |
| 1145 | Changing Batteries |
| 1158 | SAM3 Battery Changed, Flow = 3.03, MC = 0.017mg/m^3. |
| 1202 | SAM1 Battery Changed, Flow = 3.03, MC = 0.015mg/m^3. |
| 1215 | SAM2 Battery Changed, Flow = 3.01, MC = 0.020mg/m^3 |
| 1227 | SAM5 Battery Changed, Flow = 3.02, MC = 0.018mg/m^3 |
| 1237 | SAM4 Battery Changed, Flow = 3.02, MC = 0.017mg/m^3 |
| 1325 | Met Tower restored. |
| 1440 | Afternoon PID Perimeter Check |
| 1551 | Finished PID Perimeter Check |
| | |
| | |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Completed by: Joshua Richards Date: 12/08/21

# Air Monitoring Field Log

**Client Company: Ameren**

**Site Location: Champaign Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (OF) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0930 | 37 F | 29.81 | X | | | | | | N | 67% | 20 | S | Overcast |
| 1001 | 39 | 29.80 | X | | | | | | N | 63% | 20 | S | Overcast |
| 1506 | 52 | 29.71 | X | | | | | | N | 64% | 15 | S | PC |
| 1600 | 49 | 29.73 | X | | | | | | N | 69% | 11 | SW | PC |
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## Site Activity Log

| Time | Activity |
|---|---|
| 0700 | Arrived on site. Safety meeting with O6. NOTE: MC = mass concentration (mg/m^3) |
| 0800 | Assembling communication equipment |
| 0833 | SAM2 Battery Swap, Flow = 3.02, MC = 0.021mg/m^3 |
| 0845 | SAM1 Battery Swap, Flow = 3.01, MC = 0.018mg/m^3 |
| 0847 | SAM3 Battery Swap, Flow = 3.03, MC = 0.018mg/m^3 |
| 0907 | SAM5 Battery Swap, Flow = 3.00, MC = 0.021mg/m^3 |
| 0917 | SAM4 Battery Swap, Flow = 3.04, MC = 0.023mg/m^3 |
| 0925 | PID Calibrated: Passed |
| 0930 | Beginning PID Perimeter Check |
| 0956 | Finished PID Perimeter Check. All readings = 0.0 ppm. |
| 1530 | Beginning PID Perimeter Check. |
| 1550 | Finished PID Perimeter Check. All readings = 0.0 ppm. |
| 1325 | Met Tower restored. |
| 1440 | Afternoon PID Perimeter Check |
| 1551 | Finished PID Perimeter Check |
| 1700 | End of Day. All Personnel offsite |
| | |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Completed by: Joshua Richards Date: 12/09/2021

# Air Monitoring Field Log

**Client Company: Ameren**

**Site Location: Champaign Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (OF) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 09:00 | 39 F | 29.88 | | | | X | | | N | 100% | 7 | E | Overcast |
| 09:40 | 40 F | 29.86 | | | | X | | | N | 100% | 8 | E | Overcast |
| 14:00 | 54 F | 29.61 | | | X | X | | | N | 97% | 20 | S | PC |
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## Site Activity Log

| Time | Activity |
|---|---|
| 0700 | Arrived on site. Safety meeting with O6. NOTE: MC = mass concentration (mg/m^3) |
| 0748 | SAM2 Battery Swap, Flow = 3.09 adjusted to 3.01, MC = 0.032mg/m^3 |
| 0805 | SAM1 Battery Swap, Flow = 3.19 adjusted to 3.02, MC = 0.025mg/m^3 |
| 0808 | Met Tower Restored |
| 0810 | Sam3 Battery Swap, Flow = 3.09 adjusted to 3.01, MC = 0.020mg/m^3 |
| 0827 | Sam5 Battery Swap, Flow = 3.06 adjusted to 3.00, MC = 0.029mg/m^3 |
| 0837 | Sam4 Battery Swap, Flow = 3.08 adjusted to 3.00, MC = 0.036mg/m^3 |
| 0910 | PID Calibrated: Passed |
| 0916 | PID Morning Perimeter Check |
| 0936 | Finished PID Perimeter Check. All readings = 0.0 ppm. |
| 1200 | Beginning PID Perimeter Check. |
| 1250 | Finished PID Perimeter Check. All readings = 0.0 ppm. |
| 1435 | SAM3: VOC Sample collected. Flow = 2.11 adjusted to 2.02. |
| 1441 | SAM1 VOC Sample Collected. Flow = 2.09 adjusted to 2.02 |
| 1450 | SAM2 VOC Sample Collected. Flow = 2.09 adjusted to 2.02 |
| 1455 | SAM5 VOC Sample Collected. Flow = 2.04 no adjustment |
| 1501 | SAM4 VOC Sample Collected. Flow = 2.10 adjusted to 2.03 |
| 1600 | SAM1 – 5 VOC Samples installed. Time lag due to correct labeling and COC corrections before shipping. |
| 1700 | END OF DAY. All personnel offsite. |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Completed by: Joshua Richards Date: 12/10/2021

# Air Monitoring Field Log

**Client Company: Ameren**

**Site Location: Champaign Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (OF) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
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## Site Activity Log

| Time | Activity |
|---|---|
| 1000 | Arrived on site: Josh & Paul (ERM). NOTE: MC = mass concentration (mg/m^3) |
| 1023 | SAM2 Battery Swap, Flow = 3.03 no adjustment, MC = 0.008mg/m^3 |
| 1100 | SAM3 Battery Swap, Flow = 3.03 no adjustment, MC = 0.008mg/m^3 |
| 1105 | SAM1 Battery Swap, Flow = 2.94 adjusted to 3.02 LPM, MC = 0.002mg/m^3 |
| 1106 | MET Tower Restored |
| 1115 | SAM5 Battery Swap, Flow = 2.94 adjusted to 3.00 LPM, MC = 0.005mg/m^3 |
| 1125 | Sam4 Battery Swap, Flow = 2.98 adjusted to 3.01 LPM, MC = 0.009mg/m^3 |
| 1145 | END OF DAY. All personnel offsite. Security Remains vigilant |
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**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Completed by: Joshua Richards Date: 12/11/2021

# Air Monitoring Field Log

**Client Company: Ameren**

**Site Location: Champaign Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (OF) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
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## Site Activity Log

| Time | Activity |
|---|---|
| 1000 | Arrived on site: Josh & Paul (ERM). NOTE: MC = mass concentration (mg/m^3) |
| 1003 | SAM2 Battery Swap, Flow = 2.99 no adjustment, MC = 0.010mg/m^3 |
| 1014 | SAM3 Battery Swap, Flow = 3.06 adjusted to 3.00, MC = 0.009mg/m^3 |
| 1019 | SAM1 Battery Swap, Flow = 3.06 adjusted to 3.02 LPM, MC = 0.006mg/m^3 |
| 1023 | MET Tower Restored |
| 1028 | SAM5 Battery Swap, Flow = 3.06 adjusted to 3.00 LPM, MC = 0.009mg/m^3 |
| 1036 | Sam4 Battery Swap, Flow = 3.02 LPM no adjustment, MC = 0.013mg/m^3 |
| 1045 | END OF DAY. All personnel offsite. Security Remains vigilant |
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**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Completed by: Joshua Richards Date: 12/12/2021

# Air Monitoring Field Log

**Client Company: Ameren**

**Site Location: Champaign Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (OF) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0925 | 37 F | 30.24 | X | | | | | | N | 82% | 12 | SW | PC |
| 1015 | 40 F | 30.25 | X | | | | | | N | 77% | 11 | SW | PC |
| 1615 | 47 F | 30.24 | X | | | | | | N | 71% | 6 | S | PC |
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## Site Activity Log

| Time | Activity |
|---|---|
| 0700 | Arrived on site. Safety Meeting. NOTE: MC = Mass concentration |
| 0825 | SAM2 Battery Swap, Flow adjusted from 3.05 to 3.00 LPM, MC = 0.015mg/m^3 |
| 0835 | SAM3 Battery Swap, Flow adjusted from 3.07 to 2.99 LPM, MC = 0.016mg/m^3 |
| 0843 | SAM1 Battery Swap, Flow adjusted from 3.07 to 3.01 LPM, MC = 0.008mg/m^3 |
| 0853 | SAM5 Battery Swap, Flow adjusted from 2.98 to 3.01 LPM, MC = 0.012mg/m^3 |
| 0900 | SAM4 Battery Swap, Flow adjusted from 3.07 to 3.02 LPM, MC = 0.015mg/,^3 |
| 0915 | PID Calibrated: Calibration Passed |
| 0925 | Weather measured at site location (See above) |
| 0927 | Began PID readings |
| 0946 | Finished PID readings. All locations and perimeter readings = 0.0 ppm. |
| 1015 | Weather measured at site location (see above) |
| 1230 | Drive-by shooting about a block to the north of our location. All personnel safe. |
| 1350 | Call from Doug (ERM) out of Rolling Meadows |
| 1400 | NSEW pics of SAM stations. O6 crew taking apart fencing along west side of street. |
| 1410 | Detective arrived onsite: Speaking to Nick (O6) |
| 1435 | Pulling samples |
| 1500 | Finished samples pulling. |
| 1550 | Called Doug (ERM) about blanks with samples. Confirmed Trip Blanks are all that is needed |
| 1615 | Weather readings before PID perimeter check. |
| 1615 | Began PID perimeter reading check. |

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| 1636 | Finished PID perimeter reading check |
| 1700 | Confirmed COC for sample send off with Doug (ERM). |
| 1705 | Took samples to Fed Ex for sendoff. All ERM crew offsite. O6 crew (Nick) onsite. |
| 1720 | Samples dropped off to courier (Fed Ex) and receipt received. |
| 1725 | End of Day. |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Completed by: Joshua Richards Date: 12/13/2021 Reviewed: _____

# Air Monitoring Field Log

**Client Company: Ameren**

**Site Location: Champaign Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (OF) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0737 | 34 F | 30.33 | X | | | | | | N | 95% | 8 | SE | S |
| 0815 | 35 F | 30.34 | X | | | | | | N | 94% | 9 | SE | S |
| 1032 | 44 F | 30.32 | X | | | | | | N | 91% | 11 | S | PC |
| 1109 | 45 F | 30.30 | X | | | | | | N | 80% | 12 | S | PC |
| 1314 | 52 F | 30.27 | X | | | | | | N | 74% | 12 | S | PC |
| 1600 | 53 F | 30.22 | X | | | | | | N | 72% | 12 | S | PC |
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## Site Activity Log

| Time | Activity |
|---|---|
| 0700 | Arrived on site. Safety Meeting. NOTE: MC = Mass concentration |
| 0800 | O6 Crew performing housekeeping. Created Daily Task form |
| 0815 | Created Naming convention for SAM's 1 – 4 and SAM#1 – 5. |
| 0820 | Cobra Concrete arrived onsite. Ameren onsite with Pole Replacement. |
| 0830 | PID Calibrated: Passed. |
| 0831 | PID Perimeter Check |
| 0845 | Cobra Concrete cutting roadway, Traffic Control Setup, Ameren Installing Pole. |
| 0850 | Completed PID Perimeter Check. All readings = 0.0 ppm |
| 0853 | SAM2 Battery Swap at SAM1 in the NE. Flow = 2.94 adjusted to 3.00 LPM, MC = 0.025mg/m^3 |
| 0903 | SAM3 Battery Swap at SAM2 in the SE. Flow = 2.94 adjusted to 3.02 LPM, MC = 0.022mg/m^3 |
| 0913 | SAM1 Battery Swap at SAM2 in the SE. Flow = 2.99 no adjustment, MC = 0.015mg/m^3 |
| 0916 | Met Tower Restored. SAM#5 at SAM3 to the SW and Sam#4 at SAM4 to the NW are being used for battery tests to determine battery longevity. |
| 0924 | SAM4 at SAM4 to the NW Flow = 3.00 LPM no adjustment, MC = 0.029mg/m^3 |
| 0930 | SAM5 at SAM3 to the SW Flow = 3.01 LPM no adjustment, MC = 0.024mg/m^3.<br>Cobra Concrete finished cutting road joints. |
| 1140 | PID Perimeter Check |
| 1149 | PID Check finished: all readings 0.0 ppm.<br>Ameren taking lunch. |
| 1230 | Ameren Offsite |
| 1315 | Perimeter PID |

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| 1331 | Finished Perimeter PID. All readings = 0.0 ppm |
| 1400 | O6 is closing roads |
| 14:30 | Gates erected along Hill street (west) and 5th street to the North and South |
| 1605 | PID Readings begun |
| 1625 | PID Readings Finished = 0.0 ppm |
| 1630 | Final Gates barred and Signage posted. |
| 1700 | End of Day. |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Completed by: Joshua Richards Date: 12/14/2021

# Air Monitoring Field Log

**Client Company: Ameren**

**Site Location: Champaign Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (OF) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0720 | 55 | 30.05 | X | | | | | | N | 95% | 18 | S | Overcast |
| 0820 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 0920 | 57 | 3.01 | X | | | | | | N | 100% | 21 | S | Overcast |
| 1020 | 58 | 3.01 | X | | | | | | N | 100% | 22 | S | Overcast |
| 1120 | 60 | 29.96 | X | | | | | | N | 100% | 22 | S | Overcast |
| 1220 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1320 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1420 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1520 | 62 | 29.90 | | | X | | | | N | 99% | 23 | S | Overcast |
| 1620 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1700 | 62 | 29.87 | | | X | | | | N | 98% | 23 | S | Overcast |

## Site Activity Log

| Time | Activity |
|---|---|
| 0700 | Arrived on site. Safety Meeting. NOTE: MC = Mass concentration |
| 0720 | Weather Condition readings<br>Hydrovac (Badger Daylighting) onsite. |
| 0730 | PID Calibration: Passed |
| 0731 | PID Perimeter Check |
| 0730 | PID Calibrated: Passed. |
| 0736 | IlliniFS onsite (2 trucks). |
| 0750 | O6 Crew unloading equipment (water containment related) from IlliniFS.<br>PID Check Finished. All Readings = 0.0 ppm. |
| 0815 | Hydrovac Prepping for excavation<br>Rans Cube United Rentals Truck Onsite<br>O6 Crew dismantling Inner fence |
| 0845 | Excavation in NW Corner Begun |
| 0900 | PID Hit of 1.5 ppm for 15 secs. Dissipated to 0.0 ppm after 15 secs.<br>Comcast onsite |
| 0950 | Teleboom/Teleforklift arrived onsite<br>Badger Daylight used dousing rod to follow power lines: exactly on spot with lineage |
| 0955 | Ameren Contact onsite |
| 1010 | Ameren Contact offsite |
| 1030 | Crane arrived outside of gate |
| 1040 | McLeod Express dropped off sand |
| 1050 | McLeod Express offsite |

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|---|---|
| | PID Hit of 0.2 ppm for 10 secs. Dissipated to 0.0 ppm after the 10 secs.<br>Distinctive burning oil odor from hole. |
| 1140 | Occassional oily odor from the hydrovac hole in NW corner of 5th and Hill street intersection. |
| 1150 | Lunch Break<br>Swapping batteries |
| 1200 | Sam3 Batt swap, Flow = 2.96 adjusted to 3.01 LPM, MC = 0.034mg/m^3 |
| 1210 | SAM-1 Battery Swap, Flow = 2.95 adjusted to 3.00, MC = 0.035mg/m^3 |
| 1220 | Began pulling all SKC Pump (VOC), DustTrak, and Passive samples used for ambient background air monitoring due to commencement of excavation |
| 1250 | SAM-4 Battery Test, no swap. Flow = 2.98 not adjusted, MC = 0.041mg/m^3 |
| 1420 | Began installing Passive, and SKC pump (VOC) samples for excavation air monitoring |
| 1456 | SAM-5 Battery swap, Flow = 3.02 LPM no adjustment, MC = 0.042mg/m^3 |
| 1505 | SAM-4 Battery swap, Flow = 2.99 LPM no adjustment, MC = 0.037mg/m^3 |
| 1510 | SAM-2 Battery swap, Flow = 2.92 adjusted to 3.01 LPM, MC = 0.034mg/m^3 |
| 1515 | All PID readings along perimeter remain 0.0ppm<br>Open holes = 0.0 ppm at surface |
| 1525 | Hydrovac finished for the day |
| 1530 | CCCG offsite<br>Skid loader delivered |
| 1700 | Confirmed COC for samples are properly labeled and timed for the lab |
| 1730 | Delivered DustTrak, VOC, and Passive samples to Fed Ex for delivery |
| 1800 | End of Day all ERM personnel offsite. |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Completed by: Joshua Richards Date: 12/15/2021 Reviewed: _____

# Air Monitoring Field Log

**Client Company: Ameren**

**Site Location: Champaign Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (OF) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0800 | 52 | 29.88 | X | | | | | | N | 90% | 16 | SW | Overcast |
| 0900 | 50 | 29.91 | X | | | | | | N | 88% | 16 | SW | PC |
| 1000 | 45 | 29.95 | X | | | | | | N | 84% | 16 | SW | PC |
| 1100 | 46 | 29.98 | X | | | | | | N | 83% | 17 | SW | PC |
| 1200 | 46 | 30.01 | X | | | | | | N | 78% | 17 | W | S |
| 1300 | 46 | 30.04 | X | | | | | | N | 78% | 18 | W | S |
| 1400 | 46 | 30.02 | X | | | | | | N | 78% | 18 | W | S |
| 1500 | 45 | 29.93 | X | | | | | | N | 83% | 16 | SW | S |
| 1600 | 44 | 30.03 | X | | | | | | N | 84% | 15 | W | S |
| 1700 | 41 | 30.06 | X | | | | | | N | 77% | 14 | W | S |
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## Site Activity Log

| Time | Activity |
|---|---|
| 0700 | Arrived on site. Safety Meeting. NOTE: MC = Mass concentration |
| 0720 | Weather Condition readings<br>Hydrovac (Badger Daylighting) onsite<br>SAM4 activated: Disabled at 2203 on 12/15/21, Flow = malfunctioning equipment not recorded, MC = 0.103mg/m^3 |
| 0730 | Hydrovac started<br>Crane off loading/assembly |
| 0734 | SAM5 Battery Swap, Flow = Not recorded due to instrument malfunction, MC = 0.084mg/m^3 |
| 0736 | Flatbed truck unloading concrete blocks |
| 0743 | SAM3, Flow = Not recorded, MC = 0.084mg/m^3 |
| 0745 | SAM1, Flow = Not recorded, MC = 0.086mg/m^3 |
| 0750 | SAM2 Battery swap, Flow = Not recorded, MC = 0.081mg/m^3 |
| 0755 | PID Calibration: Passed |
| 0800 | PID Perimeter Check (quick walk to monitor ongoing excavation) |
| 0805 | PID Perimeter Reading = 0.0 ppm.<br>Hydrovac excavation PID = 0.0 ppm.<br>Keller Digging to the North |
| 0830 | NW Corner Excavation by Keller PID Hit = 0.1 – 0.3 ppm occurred for ~10 to 15 secs before dissipating to 0.0 ppm. |
| 0840 | Member from city arrived, remained offsite while speaking to Keller to confirm no road excavation possible while working on manhole. |
| 0850 | Rock/gravel trucks dropping off 2 loads to increase gravel pad to park equipment. |
| 0930 | PID hit: 0.1 – 0.2 ppm consistent readings over 1 minute from excavated material piled on road in the northern-most excavation section. |

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| | PID hits are coming from dark blue-brown mottled clays. |
| 0940 | Keller laborer kicked offsite. |
| 1200 | Marshall Arendell onsite. Josh Richards shows Marshall Arendell SAM and IPML locations; daily and hourly field forms and COCs |
| 1400 | Josh Richards offsite. Took ERM trailer back to STL office. Keller worked on building crane for future work. |
| 1500 | Parameter PID check. All locations = 0.0ppm. Continued dumping of gravel to create parking pad for equipment. |
| 1600 | Parameter PID check. All locations = 0.0ppm. Continued excavation of northern most section next to 5th street. |
| 1700 | Marshall Arendell offsite. |
| 1800 | All ERM personal offsite. |
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**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Completed by: Josh Richards & Marshall Arendell Date: 12/16/2021 Reviewed: _____

# Air Monitoring Field Log

**Client Company: Ameren Champaign**

**Site Location: Champaign 5th Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; C = Cloudy; H = Hazy; D = Dusty

| Time | Temp. (OF) | Barometric Pressure (mBar) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 26.06 | 996.6 | X | | | | | | No | 96% | 1.1 | E | S |
| 0800 | 30.02 | 997.0 | X | | | | | | No | 77% | 2.9 | NE | S |
| 0900 | 31.28 | 997.2 | X | | | | | | No | 73% | 6.5 | ENE | PC |
| 1000 | 33.26 | 997.9 | X | | | | | | No | 67% | 4 | ESE | PC |
| 1100 | 34.34 | 996.6 | X | | | | | | No | 68% | 5.8 | E | C |
| 1200 | 35.60 | 995.5 | X | | | | | | No | 68% | 5.6 | E | C |
| 1300 | 36.14 | 994.1 | X | | | | | | No | 67% | 4.5 | E | C |
| 1400 | 36.5 | 994.4 | X | | | | | | No | 64% | 5.4 | ESE | C |
| 1500 | 35.6 | 993.4 | | | X | | | | No | 73% | 4.3 | E | C |
| 1600 | 35.6 | 993.2 | | | X | | | | No | 78% | 3.6 | SE | C |
| | | | | | | | | | | | | | |

## Site Activity Log

| Time | Activity |
|---|---|
| 0700 | Site-wide safety meeting. |
| 0730 | Marshall Arendell calibrates PID; Zero cal. = 0.0ppm \| Span cal. = 100.1ppm (both passed). |
| 0800 | PID perimeter check. No hits. 06 Environmental begins shipping out dirt from excavation. No PID hits from dirt. |
| 0900 | PID perimeter check. No hits. Joined Q1 2022 STL Field Staffing call. Keller resumes constructing crane. |
| 1000 | PID perimeter check. No hits. Pulled SKC sampled and stored them in freezer in ERM trailer. |
| 1015 | Marshall Arendell starts swapping out batteries. Reset Met Tower and restarted all SAM's |
| 1100 | Finished swapping out batteries. PID perimeter check. No hits. Badger moved truck to Neil St. & continued work. |
| 1200 | PID perimeter check. No hits. 06 Environmental continues to ship dirt from excavation offsite. No PID hits from dirt. |
| 1300 | PID perimeter check. No hits. Filled out CoC for SKC sample set. Keller continues constructing crane. |
| 1400 | PID perimeter check. No hits. 06 Environmental continues to ship dirt from excavation offsite. No PID hits from dirt. |
| 1500 | PID perimeter check. No hits. Marshall Arendell checks SKC pump flow – all are approx. 2.00. |
| 1600 | PID perimeter check. No hits. Keller continues constructing crane. 06 Environmental offsite. |
| 1630 | Keller begin to back up and move crane off 5th Street. |
| 1700 | All ERM personal offsite. |
| | |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Completed by: Marshall Arendell Date: 12/17/2021 Reviewed: _____

# Air Monitoring Field Log

**Client Company: Ameren Champaign**

**Site Location: Champaign 5th Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; C = Cloudy; H = Hazy; D = Dusty

| Time | Temp. (OF) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0900 | 30 | 30.25 | X | | | | | | N | 87% | 12 | S | S |
| 1100 | 36 | 30.20 | X | | | | | | N | 80% | 14 | SW | S |
| 1300 | 41 | 30.17 | X | | | | | | N | 71% | 13 | SW | S |
| 1400 | 43 | 30.15 | X | | | | | | N | 68% | 13 | SW | S |
| 1600 | 39 | 30.15 | X | | | | | | N | 78% | 9 | SW | S |
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## Site Activity Log

| Time | Activity |
|---|---|
| 0700 | Site-wide safety meeting. |
| 0740 | Swapping batteries |
| 0743 | AC power converter died on SAM1<br>Met Tower attached to SAM3 battery |
| 0820 | Finished battery swap<br>DustTrak Flows calibrated |
| 0900 | Marshall offsite for power converter<br>PID Calibration: Passed<br>PID Check |
| 0930 | PID = 0.0 ppm<br>Drill rig setup with auger |
| 0950 | Marshall onsite |
| 1000 | PID Check |
| 1030 | PID Readings = 0.0 ppm |
| 1100 | Weather readings |
| 1200 | Keller having issues with crane auger orientation |
| 1300 | Weather readings |
| 1400 | Weather readings |
| 1415 | Bob (J.F. Electric) offsite |
| 1420 | Keller is gone offsite for the day |

| | |
|---|---|
| 1520 | PID Check |
| 1534 | PID readings = 0.0 ppm |
| 1535 | Keller performing housekeeping and cleanup. |
| 1600 | Weather readings |
| 1700 | End of Day: All personnel offsite. |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Completed by: Joshua Richards Date: 12/20/2021

# Air Monitoring Field Log

**Client Company: Ameren Champaign**

**Site Location: Champaign 5th Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; C = Cloudy; H = Hazy; D = Dusty

| Time | Temp. (OF) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0800 | 26 | 30.03 | | | | X | | | N | 89% | 7 | S | S |
| 0900 | 27 | 30.03 | X | | | | | | N | 89% | 7 | S | S |
| 1000 | 31 | 30.00 | X | | | | | | N | 85% | 10 | S | S |
| 1100 | 36 | 29.96 | X | | | | | | Y | 80% | 13 | SW | S |
| 1200 | 39 | 29.91 | X | | | | | | Y | 80% | 14 | SW | S |
| 1300 | 43 | 29.88 | X | | | | | | N | 74% | 15 | SW | S |
| 1400 | 45 | 29.82 | X | | | | | | N | 59% | 15 | SW | S |
| 1500 | 44 | 29.82 | X | | | | | | N | 60% | 14 | SW | S |
| 1600 | 43 | 29.81 | X | | | | | | N | 61% | 13 | W | S |
| | | | | | | | | | | | | | |
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## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite<br>O6 crew starting/w arming up engines<br>NOTE: MC = mass concentration (mg/m^3) |
| 0700 | Safety meeting and trucks beginning to line up for dirt removal |
| 0710 | Trucks entering site to remove excavated dirt material<br>SAM2 battery sw ap: flow = 3.03LPM, MC = 0.074mg/m^3 |
| 0720 | SAM1 battery sw ap: flow = 2.95 adjusted to 3.00 LPM, MC = 0.060mg/m^3 |
| 0730 | SAM3 battery sw ap: flow = 2.92 adjusted to 2.99 LPM, MC = 0.065mg/m^3 |
| 0740 | SAM4 battery sw ap: flow = 3.18 adjusted to 3.00 LPM, MC = 0.092mg/m^3 |
| 0800 | SAM5 battery sw ap: flow = 3.20 adjusted to 3.01 LPM, MC = 0.073mgm/^3<br>Weather readings<br>Last truck leaving w ith full dirt load<br>O6 housekeeping<br>PID Calibration: Passed |
| 0845 | PID Check |
| 0900 | Truck #4 loading dirt for removal |
| 0905 | Truck #4 offsite – load secured<br>Truck #5 onsite or dirt removal |
| 0915 | Truck #5 offsite – load secured |
| 0920 | PID Check = 0.0 ppm |
| 1000 | PID Check |

| | |
|---|---|
| | Union Onsite for brief check on union w orkers. |
| 1030 | PID Check = 0.0 ppm<br>Union offsite |
| 1035 | Office trailer arrived<br>6th dirt truck onsite<br>Brian O'Shea onsite (ERM) to install solar panels |
| 1045 | Jason (Rolling Meadow s ERM) onsite to install solar panels |
| 1055 | Truck 7 arrived for dirt loading |
| 1100 | Truck 7 loaded and offsite |
| 1115 | Brian and Jason installing solar panel at SAM4<br>M.R. Jones and Son truck onsite for dirt load<br>Light dust from |
| 1120 | PID check = 0.0 ppm |
| 1149 | SAM4 Solar Panel installed and operational |
| 1200 | Weather readings<br>PID Check |
| 1215 | PID = 0.0 ppm |
| 1220 | Josh ERM offsite for lunch |
| 1230 | Josh ERM onsite |
| 1250 | PID Check<br>Truck onsite for dirt load. Waiting/standby<br>Operator at lunch |
| 1300 | Weather Readings<br>Jason demonstrated Drager air monitoring device |
| 1345 | Truck loading offsite<br>PID readings<br>O6 operator built ramp into NW excavation pit |
| 1350 | Remco dropped off grounding rod |
| 1400 | All stations have solar pow er<br>SAM1&3 have AC pow er hard-lined into main pow er box<br>PID Check continuing |
| 1415 | PID reading = 0.0 ppm |
| 1430 | Brian and Jason (ERM) offsite for supplies<br>Doug Fischer (ERM) offsite<br>O6 Crew obtained road permit and began tearing out northern section of 5th street. |
| 1500 | O6 crew continuing road demo in northern section of 5th street.<br>Weather |
| 1510 | PID Readings |
| 1540 | PID = 0.0 ppm. Slight oily odor at IPML (L) closest to the northern 5th street road demo. |
| 1600 | PID Check<br>O6 housekeeping: finished demo along northern 5th street section for the day. Aw aiting trucks to haul aw ay debris |
| 1630 | PID = 0.0 ppm<br>Sam McLean (O6ENV) onsite |
| 1700 | End of day: All personnel offsite |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Completed by: Joshua Richards Date: 12/21/2021

# Air Monitoring Field Log

**Client Company: Ameren Champaign**

**Site Location: Champaign 5th Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; C = Cloudy; H = Hazy; D = Dusty

| Time | Temp. (OF) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0800 | 23 | 30.10 | X | | | | | | N | 71% | 9 | NW | S |
| 0900 | 24 | 30.13 | X | | | | | | N | 66% | 9 | NW | S |
| 1000 | 25 | 30.24 | X | | | | | | N | 62% | 9 | W | S |
| 1100 | 27 | 30.16 | X | | | | | | N | 59% | 9 | W | S |
| 1200 | 31 | 30.14 | X | | | | | | N | 49% | 8 | NW | S |
| 1300 | 32 | 30.14 | X | | | | | | Y | 47% | 8 | NW | S |
| 1400 | 34 | 30.11 | X | | | | | | Y | 43% | 6 | W | PC |
| 1500 | 35 | 30.11 | X | | | | | | N | 42% | 6 | W | S |
| 1600 | | | | | | | | | | | | | |
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## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite<br>O6 crew starting/warming up engines<br>NOTE: MC = mass concentration (mg/m^3) |
| 0700 | Safety meeting and trucks beginning to line up for dirt removal |
| 0700 | O6 crew beginning work |
| 0730 | O6 shipping debris from 5th street |
| 0735 | Josh (ERM) offsite for sample pickup |
| 0755 | Josh (ERM) onsite |
| 0800 | Weather readings<br>PID calibration: Passed<br>PID Reading<br>O6 pulling up road |
| 0840 | PID = 0.0 ppm<br>IPML (A&B) have spikes of 0.1 ppm for ~10 – 15 secs before dissipating |
| 0850 | North excavation manhole area (around hole) = 0.1 – 0.2 ppm at surface. Occasional spikes of 0.5 ppm at surface. |
| 0900 | 1.3 – 2.0 ppm in hole with workers at northern excavation near manhole. Josh (ERM) recommended respirators, and paused work.<br>Calibrating GC Unit |
| 0920 | Confirmed my plan is for perimeter only with Nick (O6)<br>Feutz/O6 crews back to work and will test hole according to their own standards of permissible exposure |
| 0937 | SAM2 flow = 3.09 adjusted to 3.01LPM |

| | |
|---|---|
| 0940 | SAM3 flow = 3.00, no adjustment |
| 0941 | SAM1 flow = 3.02, no adjustment |
| 0943 | SAM 5 flow = 3.20 adjusted to 3.02 LPM |
| 0950 | SAM 4 flow = 2.90 adjusted 3.00 LPM<br>PID perimeter check |
| 1010 | PID check = 0.0 ppm: IPML (A & L) = 0.1 ppm for ~10 – 15 secs.<br>Oily odor near IPML A, B and L |
| 1100 | PID Check |
| 1120 | Perimeter PID = 0.0 ppm. IPML (L) = 0.1 ppm with occasional spike to 0.2 ppm lasting ~10 – 15 secs.<br>Oily odor present<br>Feutz installing concrete manhole.<br>Beginning removal of VOC samples from SAM 1 – 5. |
| 1215 | Feutz finished bypass and infilling gravel around new man hole |
| 1240 | Finished collecting all VOCs and installing all VOCs. |
| 1300 | PID check |
| 1310 | Feutz finished manhole and hauled out excavator |
| 1330 | PID = 0.0 ppm<br>Oily smell has dissipated |
| 1400 | Feutz removing steel box – front loader tire flat |
| 1405 | PID = 0.0 ppm<br>IPML B = 0.0 ppm<br>Smell dissipating |
| 1445 | Feutz loading steel box<br>PID readings |
| 1500 | O6 housekeeping and shutting down for the day<br>Significant dust from cleanup, but settles/dissipates mostly before exiting the site via wind gusts. |
| 1510 | PID = 0.0 ppm<br>No smell |
| 1520 | End of Day: All personnel offsite |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Completed by: Joshua Richards Date: 12/22/2021

# Air Monitoring Field Log

**Client Company: Ameren Champaign**

**Site Location: Champaign 5th Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; C = Cloudy; H = Hazy; D = Dusty

| Time | Temp. (OF) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0800 | 31 | 29.97 | X | | | | | | N | 73% | 14 | S | PC |
| 0900 | 34 | 29.97 | X | | | | | | N | 63% | 16 | S | PC |
| 1000 | 36 | 29.95 | X | | | | | | N | 64% | 16 | S | PC |
| 1100 | 41 | 29.91 | X | | | | | | N | 63% | 18 | S | PC |
| 1200 | 43 | 29.88 | X | | | | | | N | 64% | 18 | S | PC |
| 1300 | 46 | 29.85 | X | | | | | | N | 65% | 19 | SW | PC |
| 1400 | 49 | 29.81 | X | | | | | | N | 64% | 19 | SW | PC |
| 1500 | | | | | | | | | | | | | |
| 1600 | | | | | | | | | | | | | |
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## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite<br>O6 crew starting/w arming up engines<br>NOTE: MC = mass concentration (mg/m^3) |
| 0700 | Loading front loader onto trailer<br>O6 crew continuing demo of 5th street and beginning loading dirt trucks. |
| 0730 | Josh offsite |
| 0745 | Josh onsite |
| 0800 | Weather readings<br>PID calibration: Passed<br>O6 continuing to load trucks<br>PID Check |
| 0805 | Feutz loading Skid steer |
| 0845 | SAM3 flow = 3.05 adjusted to 3.01 LPM |
| 0850 | SAM1 flow = 3.07 adjusted to 3.02 LPM |
| 0855 | SAM5 flow = 3.10 adjusted to 3.03 LPM |
| 0857 | SAM4 flow = 2.94 adjusted to 3.00 LPM |
| 0900 | SAM2 flow = 2.90 adjusted to 3.00 LPM |
| 0930 | PID readings = 0.0 ppm<br>Trucks loading out |
| 1000 | PID readings |
| 1020 | PID = 0.0 ppm, no odor present |

| | |
|---|---|
| 1020 | O6 tearing up and shipping out Hill street<br>Road demolition has been pulled to intersection of 5th and Hill street. |
| 1055 | PID Readings |
| 1115 | PID = 0.0 ppm, no odor present |
| 1130 | O6 crew pulling Hill street demo to intersection.<br>Several truck loadouts. |
| 1200 | Weather Readings<br>PID Check<br>5th and Hill street have been completely torn to the joints at the intersection. |
| 1220 | PID = 0.0 ppm |
| 1225 | Beginning VOC Sample collection |
| 1228 | SAM 3 VOC collected |
| 1230 | SAM 1 VOC collected |
| 1235 | SAM 5 VOC collected |
| 1240 | SAM 4 VOC collected |
| 1245 | SAM 2 VOC collected |
| 1250 | All VOC's set into freezer for holiday weekend<br>O6 crew uncovered unknown manhole buried beneath roadway |
| 1300 | Weather and PID readings |
| 1320 | PID = 0.0 ppm |
| 1400 | End of Day: O6 crew smoothing over certain areas from demo due to potential storm drainage |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Completed by: Joshua Richards Date: 12/23/2021

# Air Monitoring Field Log

**Client Company: Ameren Champaign**

**Site Location: Champaign 5th Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; C = Cloudy; H = Hazy; D = Dusty

| Time | Temp. (OF) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0800 | 57 | 29.65 | X | | | | | | N | 91% | 15 | S | PC |
| 0900 | 57 | 29.65 | X | | | | | | N | 91% | 15 | S | PC |
| 1000 | 57 | 29.65 | X | | | | | | N | 91% | 15 | S | PC |
| 1100 | 56 | 29.67 | X | | | | | | N | 90% | 15 | NW | PC |
| 1200 | 55 | 29.66 | X | | | | | | N | 87% | 15 | W | PC |
| 1300 | 54 | 29.72 | X | | | | | | N | 84% | 15 | W | PC |
| 1400 | 53 | 29.75 | X | | | | | | N | 81% | 16 | W | PC |
| 1500 | 50 | 29.78 | X | | | | | | N | 78% | 17 | NW | PC |
| 1600 | 46 | 29.83 | X | | | | | | N | 77% | 16 | NW | PC |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite<br>O6 crew starting/warming up engines<br>NOTE: MC = mass concentration (mg/m^3) |
| 0700 | O6 loading out debris on south side of 5th street sections. |
| 0745 | PID calibration: passed |
| 0755 | Sam 5 restored, flow = 2.94 adjusted to 3.00 LPM, SKC pump flow = 2.05 adjusted to 2.01 LPM |
| 0808 | SAM 4 restored, flow = 3.01 LPM, SKC pump flow = 2.07 adjusted to 2.02 LPM |
| 0816 | SAM 2 restored, flow = 2.97 adjusted to 3.02 LPM, SKC pump flow = 1.94 adjusted to 1.99 LPM |
| 0830 | Sam 1 flow = 2.90 adjusted to 3.01 LPM, SKC pump flow = 1.98 LPM, MET Tower restored |
| 0835 | SAM 3 flow = 2.85 adjusted to 3.00 LPM, SKC pump flow = 2.01 LPM |
| 0835 | SAM 3 VOC installation<br>PID check |
| 0840 | SAM 1 VOC installation |
| 0852 | SAM 5 VOC installation |
| 0900 | Rock loads unloaded for roadway |
| 0921 | SAM 4 VOC installation |
| 0928 | SAM 2 VOC installation |
| 0930 | O6 spreading rock loads over designated areas on roadway |
| 0945 | O6 prepping pumps and frac tanks in anticipation of storm water, etc.<br>PID = 0.0 ppm, slight vinegar odor near telephone pole in NE section near SAM 2 along the perimeter. |

| | |
|---|---|
| 1000 | PID check |
| 1020 | PID = 0.0 ppm<br>O6 setting pumps into new manhole bypass at northern end of 5th street. |
| 1050 | Keegan (O6) worried about pipe sloughing off once water fills from bypass and wet dirt at about 60 degrees F.<br>Simply informed him I was not aware of any potential access outside of fencing area near the edge in question. |
| 1100 | PID Check and weather readings |
| 1115 | PID = 0.0 ppm<br>Neighbor's dog ran onsite briefly around main gate, then offsite. |
| 1200 | PID check |
| 1215 | PID = 0.0 ppm<br>Josh and Don offsite for lunch |
| 1300 | Josh and Don onsite back from lunch<br>Truck stuck in test run of new gravel pad. |
| 1315 | Truck unstuck from gravel<br>PID check |
| 1345 | PID = 0.0 ppm<br>Slight odor from running machinery and trucks. Persistent spikes of about 0.1 ppm for <5 secs along eastern perimeter. |
| 1400 | PID Check |
| 1420 | PID = 0.0 ppm, IPML (L) = 0.1 ppm due to open manhole for bypass hosing and strong westward wind. |
| 1500 | PID check |
| 1540 | PID = 0.1 ppm, strong west wind blowing in background. As wind dies so too does the reading and the reading dissipates to 0.0 ppm. |
| 1600 | PID check |
| 1630 | PID = 0.1 ppm, burning smell in the air like trash. |
| 1700 | End of day: all personnel offsite |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Completed by: Joshua Richards Date: 12/27/2021

# Air Monitoring Field Log

**Client Company: Ameren Champaign**

**Site Location: Champaign 5th Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; C = Cloudy; H = Hazy; D = Dusty

| Time | Temp. (OF) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0800 | 38 | 29.79 | | | X | | | | N | 80% | 15 | SE | Overcast |
| 0900 | 38 | 29.78 | | X | X | | X | X | N | 81% | 15 | SE | Overcast |
| 1000 | 36 | 29.73 | | | X | | X | X | N | 88% | 14 | E | Overcast |
| 1100 | 37 | 29.60 | | X | | | X | | N | 88% | 16 | E | Overcast |
| 1200 | 37 | 29.60 | | X | | | X | | N | 96% | 17 | E | Overcast |
| 1300 | 38 | 29.58 | | X | X | | | | N | 97% | 15 | E | Overcast |
| 1400 | 38 | 29.57 | | X | X | | | | N | 97% | 14 | SE | Overcast |
| 1500 | 38 | 29.57 | | | X | | | | N | 93% | 12 | SE | Overcast |
| 1600 | 40 | 29.57 | X | | | | | | N | 96% | 8 | SE | Overcast |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

## Site Activity Log

| Time | Activity |
|---|---|
| 0700 | Onsite and Safety meeting |
| 0745 | PID calibration: Passed<br>PID check |
| 0750 | SAM 3 flow = 3.12 adjusted to 3.00 LPM |
| 0755 | SAM 1 flow = 3.14 adjusted to 3.00 LPM |
| 0800 | SAM 5 offline<br>Rock trucks inbound for site delivery |
| 0813 | SAM 5 restored via battery swap: flow = 2.85 adjusted to 3.03 LPM |
| 0820 | SAM 4 flow = 3.03 LPM<br>O6 crew excavating to the east of Willie's shed ~ 20 – 30ft from concrete pad. |
| 0833 | SAM 2 flow = 3.04 LPM<br>PID check = 0.0 ppm. |
| 0900 | PID check<br>Cold windy weather contains the following: variable rain/sleet/snow/hail and all at the same time with increased wind |
| 0920 | PID = 0.0 ppm |
| 1000 | PID check<br>Freezing rain, snow/sleet |
| 1020 | PID = 0.0 ppm, no odors present.<br>O6 continues excavation in eastern quadrant north of Hill, east of Willie's shed. |
| 1045 | SAM stations 2 and 4 offline<br>Josh (ERM) offsite for battery supplies |
| 1150 | Josh (ERM) onsite with battery supplies |

| | |
|---|---|
| 1220 | SAM 4 restored<br>O6 breaking for lunch |
| 1233 | SAM 2 restored |
| 1250 | Sending Brian O'Shea flow rates form 12/3 – 15 for dusttraks. |
| 1300 | PID check and Weather reading |
| 1320 | O6 back from lunch. |
| 1330 | PID = 0.1 ppm, strong east wind, no smell |
| 1420 | PID check |
| 1445 | PID = 0.2 ppm, no smell. |
| 1500 | GC unit calibrated to confirm air readings<br>PID and GC Drager unit used to confirm air readings |
| 1520 | PID readings approximately 0.2 to 0.3 ppm around perimeter. IPML (E) = 0.5 ppm<br>GC Drager unit confirms no benzene or other compounds in air. |
| 1530 | PID recalibration in progress: Passed |
| 1540 | Quick site walk PID reading check = 0.0 ppm |
| 1600 | PID check |
| 1620 | PID = 0.0 ppm |
| 1700 | End of day: All personnel offsite |
| | |
| | |
| | |
| | |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Completed by: Joshua Richards Date: 12/28/2021

# Air Monitoring Field Log

**Client Company: Ameren Champaign**

**Site Location: Champaign 5th Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; C = Cloudy; H = Hazy; D = Dusty

| Time | Temp. (OF) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0800 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 0900 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1000 | 35 | 29.96 | X | | | | | | N | 82% | 7 | N | Overcast |
| 1100 | 36 | 29.95 | X | | | | | | N | 80% | 8 | N | Overcast |
| 1200 | 37 | 29.94 | X | | | | | | N | 77% | 7 | N | Overcast |
| 1300 | 37 | 29.94 | X | | | | | | N | 76% | 7 | N | Overcast |
| 1400 | 37 | 29.94 | X | | | | | | N | 79% | 8 | NE | Overcast |
| 1500 | 37 | 29.94 | X | | | | | | N | 80% | 8 | NE | Overcast |
| 1600 | 37 | 29.93 | X | | | | | | N | 80% | 8 | NE | Overcast |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite safety meeting |
| 0750 | Josh (ERM) offsite for sample pickup |
| 0805 | Josh (ERM) onsite with samples |
| 0815 | PID calibration: Passed<br>Sample collection and reinstallation in progress |
| 0822 | SAM 3 VOC sample collected |
| 0825 | SAM 3 VOC SKC pump flow calibration: flow = 1.98 LPM<br>SAM 3 DustTrak flow calibration: 2.95 adjusted to 2.99 LPM |
| 0827 | SAM 3 VOC sample installed |
| 0831 | SAM 1 VOC sample collected |
| 0833 | SAM 1 SKC pump calibration: flow = 2.05 adjusted to 2.02 LPM<br>SAM 1 DustTrak flow calibration: flow = 2.99 LPM |
| 0835 | SAM 1 VOC sample installed |
| 0845 | SAM 5 VOC sample collected |
| 0847 | SAM 5 SKC pump calibration: 1.94 adjusted to 2.02 LPM<br>SAM 5 DustTrak flow calibration: flow = 3.13 adjusted to 3.00 LPM |
| 0850 | SAM 5 VOC sample installed |
| 0858 | SAM 4 VOC sample collected |
| 0900 | SAM 4 SKC pump calibration: flow = 1.91 adjusted to 2.02 LPM<br>SAM 4 DustTrak flow calibration: flow = 3.00 LPM |

| | |
|---|---|
| 0903 | SAM 4 VOC sample installed |
| 0909 | SAM 2 VOC sample collected |
| 0911 | SAM 2 SKC pump calibration: flow = 1.90 adjusted to 2.03<br>SAM 2 DustTrak flow calibration: flow = 3.00 LPM |
| 0914 | SAM 2 VOC sample installed |
| 0922 | SAM 3 passive sample collection<br>SAM 3 passive sample installation: ID = 1153804 |
| 0925 | SAM 1 passive sample collection<br>SAM 1 passive sample installation: ID = 1141644 |
| 0930 | SAM 5 passive sample collection<br>SAM 5 passive sample installation: ID = 1155768 |
| 0934 | SAM 4 passive sample collection<br>SAM 4 passive sample installation: ID = 1155739 |
| 0945 | SAM 2 passive sample collection<br>SAM 2 passive sample installation: ID = 1152298 |
| 1000 | PID reading check = 0.0 ppm<br>Weather readings |
| 1100 | PID reading check = 0.0 ppm<br>Weather readings<br>O6 trucks loading out dirt |
| 1200 | PID reading check = 0.0 ppm<br>Weather readings |
| 1215 | Don Flowers (ERM) offsite for lunch |
| 1230 | Don Flowers (ERM) onsite from lunch<br>O6 crew used calcium pile as base for the road building for the crane.<br>Calcium stuff is very dusty and repeatedly setting off SAM 5 |
| 1300 | PID check = 0.0 ppm |
| 1400 | PID check = 0.0 ppm<br>Check Ameren homes |
| 1450 | Ameren homes are sound, no leakage or broken pipes.<br>Alarms are sounding from a system fault for the security at 2 locations (yellow and bluish buildings) |
| 1455 | Calibrating SAM's 1 – 5 with Brian O'Shea (ERM) to custom standard.<br>Brian O'Shea has numbers and times of SAM calibrations |
| 1503 | O6 compactor roller machine onsite<br>PID = 0.0 ppm |
| 1600 | PID = 0.0 ppm |
| 1700 | End of day: all personnel offsite. |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Completed by: Joshua Richards Date: 12/29/2021

# Air Monitoring Field Log

**Client Company: Ameren Champaign**

**Site Location: Champaign 5th Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; C = Cloudy; H = Hazy; D = Dusty

| Time | Temp. (OF) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0800 | 34 | 29.92 | X | | | X | | | N | 90% | 3 | E | Overcast |
| 0900 | 35 | 29.93 | X | | | X | | | N | 89% | 4 | SE | Overcast |
| 1000 | 36 | 29.92 | X | | | X | | | N | 88% | 4 | S | Overcast |
| 1100 | 37 | 29.90 | X | | | X | | | N | 87% | 5 | S | Overcast |
| 1200 | 40 | 29.86 | X | | | X | | | N | 85% | 6 | SW | Overcast |
| 1300 | 41 | 29.85 | X | | | | | | N | 83% | 7 | SW | Overcast |
| 1400 | 42 | 29.85 | X | | | | | | N | 84% | 8 | SW | Overcast |
| 1500 | 44 | 29.84 | X | | | | | | N | 84% | 9 | SW | Overcast |
| 1600 | 44 | 29.84 | | | X | | | | N | 86% | 8 | SW | Overcast |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite safety meeting |
| 0700 | O6 beginning work on constructing road for crane and hauling out dirt |
| 0800 | PID calibration: Passed<br>O6 loading out Dirt trucks after gravel is dropped off |
| 0811 | SAM 2 flow = 3.17 adjusted to 3.00 LPM |
| 0815 | SAM 3 flow = 3.00 LPM |
| 0818 | SAM 1 flow = 3.07 adjusted to 3.01 LPM |
| 0821 | SAM 5 flow = 3.09 adjusted to 2.99 LPM |
| 0830 | SAM 4 flow = 3.07 adjusted to 3.00 LPM |
| 0840 | PID check = 0.0 ppm |
| 0900 | PID check = 0.0 ppm<br>Rock loads inbound and taking out dirt. ~6 inches of gravel unloaded. Need at least 1 foot for crane |
| 1000 | PID Reading = 0.0 ppm<br>Don Flowers offsite |
| 1006 | Don Flowers onsite |
| 1100 | PID check = 0.0 ppm<br>Rock loads in and dirt loads out<br>Weather readings |
| 1200 | PID check = 0.0 ppm<br>Weather reading |

| | |
|---|---|
| 1300 | PID check = 0.0 ppm<br>Weather readings<br>Rock loads coming in steady. All dirt hauled out. |
| 1400 | PID check = 0.0 ppm<br>Weather readings<br>Rock loads continuing<br>Hill street has been completed with 1" gravel. |
| 1500 | PID check = 0.0 ppm<br>Weather readings<br>Rock loads continuing along 5th street with 1" gravel<br>O6 compacting Hill street |
| 1530 | SAM 2 VOC sample collected |
| 1534 | SAM 3 VOC sample collected |
| 1537 | SAM 1 VOC sample collected |
| 1540 | SAM 5 VOC sample collected |
| 1545 | SAM 4 VOC sample collected |
| 1600 | PID check = 0.0 ppm<br>Weather readings<br>All samples stored in freezer<br>Rock loads finished<br>O6 compacting remainder of the road for crane<br>Battery swap at SAM's 2, 4, 5 for weekend. |
| 1700 | End of Day: all personnel offsite.<br>O6 confirmed no work Friday. Work will resume Monday at 0630 for the start time. |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Completed by: Joshua Richards Date: 12/30/2021

# Air Monitoring Field Log

**Client Company: Ameren**

**Site Location: Champaign Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (OF) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 10 | 29.67 | X | | | | | | N | 91 | 1.3 | WSW | S |
| 0800 | 12 | 29.66 | X | | | | | | N | 88 | 2.9 | WSW | S |
| 0900 | 15 | 29.66 | X | | | | | | N | 80 | 2.7 | SW | S |
| 1000 | 18 | 29.61 | X | | | | | | N | 76 | 7.6 | S | S |
| 1100 | 20 | 29.63 | X | | | | | | N | 75 | 3.1 | SSW | S |
| 1200 | 22 | 29.60 | X | | | | | | N | 72 | 2.9 | S | S |
| 1300 | 26 | 29.60 | X | | | | | | N | 63 | 3.6 | SW | S |
| 1400 | 28 | 29.63 | X | | | | | | N | 51 | 4 | SW | S |
| 1500 | 28 | 29.59 | X | | | | | | N | 54 | 6.5 | S | S |
| 1600 | 27 | 29.55 | X | | | | | | N | 58 | 4.3 | SSE | S |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | ERM, 06 Environmental & Keller onsite for H&S tailgate meeting. |
| 0715 | Calibration of PID (zero cal. = 0.0 \| span cal. = 100.1 \| calibration passed). |
| 0800 | Weather update and PID perimeter check. |
| 0900 | Weather update and PID perimeter check. Swap out batteries on SAM 2, 4 and 5 & sweep off solar panels. |
| 1015 | Weather update and PID perimeter check. |
| 1045 | Inspect houses on Church street for any leaking or broken pipes. None found. |
| 1115 | Check SAM & SKC pump flows as necessary. SAM#2 SAM was re-calibrated. |
| 1200 | Weather update and perimeter PID check. |
| 1210 | Install VOC samples. |
| 1240 | Brian O'Shea w/ERM onsite. Brian & Marshall install new filters in DustTraks and re-calibrate flow. |
| 1445 | Brian O'Shea offsite. |
| 1500 | Weather update and PID perimeter check. |
| 1600 | Weather update and PID perimeter check. |
| 1700 | ERM, Keller & 06 Environmental offsite. |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Completed by: Marshall Arendell Date: 1/3/2022

# Air Monitoring Field Log

**Client Company: Ameren**

**Site Location: Ameren Champaign Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (OF) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 22 | 29.39 | X | | | | | | N | 96 | 2.7 | SE | S |
| 0800 | 24 | 29.37 | X | | | | | | N | 95 | 3.4 | S | S |
| 0900 | 26 | 29.35 | X | | | | | | N | 93 | 3.8 | S | S |
| 1000 | 29 | 29.34 | X | | | | | | N | 87 | 4 | SW | S |
| 1100 | 32 | 29.28 | X | | | | | | N | 81 | 6.5 | S | S |
| 1200 | 33 | 29.23 | X | | | | | | N | 77 | 4.3 | SW | S |
| 1300 | 33 | 29.17 | X | | | | | | N | 76 | 6.3 | S | S |
| 1400 | 33 | 29.09 | X | | | | | | N | 77 | 6.9 | S | S |
| 1500 | 32 | 29.07 | X | | | | | | N | 77 | 2.9 | S | S |
| 1600 | 32 | 28.97 | X | | | | | | N | 83 | 1.1 | SW | S |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Keller, 06 Environmental & ERM onsite for site-wide H&S tailgate meeting. |
| 0700 | Weather update and perimeter PID check – no hits. |
| 0800 | Weather update and perimeter PID check – no hits. Keller begin drilling holes and filling with I-beams. |
| 0900 | Weather update and perimeter PID check – no hits. |
| 1000 | Weather update and perimeter PID check – no hits. |
| 1030 | Checked DustTrak flows and calibrated as necessary (calibrated SAM 2, 3, & 5). |
| 1035 | SAM 4 calculated 0.043 for 1 minute – set off 75% exceedance alarm. Didn't go off again. |
| 1120 | Keller & 06 Environmental continue to grout and drill. ERM added impactor oil to DustTraks. |
| 1200 | Weather update and perimeter PID check – no hits. |
| 1300 | Weather update and perimeter PID check – no hits. |
| 1400 | Weather update and perimeter PID check – no hits. |
| 1500 | Weather update and perimeter PID check – no hits. Marshall & Paul check Church St. houses again. |
| 1600 | Weather update and perimeter PID check – no hits. |
| 1700 | All personnel offsite. |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Completed by: Marshall Arendell Date: 1/4/2022 Reviewed: Jarred Schmidt

# Air Monitoring Field Log

**Client Company: Ameren**

**Site Location: Champaign Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (OF) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 23 | 28.97 | X | | | | | | N | 80 | 10.1 | W | C |
| 0800 | 22 | 29 | X | | | | | | N | 77 | 8.9 | W | C |
| 0900 | 22 | 29 | X | | | | | | N | 80 | 10.5 | W | C |
| 1000 | 21 | 29 | X | | | | | | N | 74 | 9.8 | SW | PC |
| 1100 | 21 | 29.06 | X | | | | | | N | 66 | 11.6 | WSW | C |
| 1200 | 21 | 29.06 | X | | | | | | N | 68 | 6.3 | W | C |
| 1300 | 21 | 29.09 | X | | | | | | N | 63 | 13 | W | C |
| 1400 | 18 | 29.09 | X | | | | | | N | 62 | 8.5 | W | PC |
| 1500 | 18 | 29 | X | | | | | | N | 61 | 9.6 | W | S |
| 1600 | 17 | 29 | X | | | | | | N | 66 | 6.9 | W | S |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Keller, 06 Environmental & ERM onsite for site-wide H&S tailgate meeting. |
| 0730 | PID perimeter check. Keller begins moving crane into position. |
| 0815 | PID perimeter check. Keller begin drilling and adjusting grout |
| 0845 | Marshall offsite to buy supplies. |
| 0900 | Marshall onsite. PID perimeter check. Keller and 06 Environmental having difficulties with weather – frozen pipes. |
| 1000 | PID perimeter check & continued weather updates |
| 1030 | Check SAM DustTrak flows – calibrated SAM #1, 2, 3, & 4 |
| 1100 | Swapped out batteries for SAM #2, 4 & 5 |
| 1200 | PID perimeter check, began swapping out VOC samples for all SAMs |
| 1215 | Stopped switching out VOC samples – SAM #4 offline @ 1122. Swapped battery again – SAM #4 back online. Continue swapping VOC samples. |
| 1400 | Finish swapping out VOC samples and did PID perimeter check. Keller continue to drill holes and fill with I-beams |
| 1500 | PID perimeter check & prep COC for VOC (PUF) sample shipment. |
| 1600 | Final PID perimeter check. |
| 1700 | All personnel offsite. |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Completed by: ____MARSHALL ARENDELL_____ Date: __1/5/22_____ Reviewed: ____Jarred Schmidt_____

# Air Monitoring Field Log

**Client Company: Ameren**

**Site Location: Champaign Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty; C Could

| Time | Temp. (OF) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 10 | 29.2 | X | | | | | | N | 76 | 6.3 | SW | C |
| 0800 | 10 | 29.2 | X | | | | | | N | 77 | 3.8 | S | C |
| 0900 | 10 | 29.2 | X | | | | | | N | 77 | 3.8 | S | C |
| 1000 | 9 | 29.2 | X | | | | | | N | 77 | 6 | S | C |
| 1100 | 10 | 29.2 | X | | | | | | N | 76 | 8.5 | S | C |
| 1200 | 11 | 29.2 | X | | | | | | N | 73 | 3.6 | S | PC |
| 1300 | 13 | 29.2 | X | | | | | | N | 72 | 7.6 | S | PC |
| 1400 | 14 | 29.2 | X | | | | | | N | 71 | 6.9 | S | PC |
| 1500 | 14 | 29.2 | X | | | | | | N | 71 | 6.7 | S | S |
| 1600 | 14 | 29.2 | X | | | | | | N | 71 | 3.8 | NW | S |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | ERM, Keller & 06 Environmental onsite for site-wide H&S tailgate meeting. |
| 0800 | Perform bump test on PID and GC meter – readings are within acceptable parameters. PID perimeter check – no hits. |
| 0900 | PID perimeter check – no hits. Keller moving equipment around and preparing for I-beam delivery. |
| 1000 | Begin preparing COC for DustTrak filter shipment at EOD. PID perimeter check – no hits. |
| 1100 | PID perimeter check – no hits. Marshall offsite for lunch. |
| 1200 | Marshall onsite. PID perimeter check – no hits. SAM#2 battery died, replaced battery. |
| 1300 | PID perimeter check – no hits. Keller receives shipment of I-beams – offsite afterwards. |
| 1400 | Begin removing SAM DustTrak filters and re-installing black filter. |
| 1430 | Measure SAM DustTrak flows & calibrate as necessary – calibrated SAM #5 |
| 1500 | Final PID perimeter check – no hits. |
| 1530 | Keller offsite – weather is too cold to drill and excavate dirt. |
| | |
| | |
| | |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Completed by: ____Marshall Arendell_____ Date: ____1/6/2022_____ Reviewed: ____Jarred Schmidt_____

# Air Monitoring Field Log

**Client Company: Ameren**

**Site Location: Champaign Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (OF) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 0 | 29.4 | X | | | | | | N | 80 | 3.6 | N | S |
| 0800 | 0 | 29.4 | X | | | | | | N | 80 | 2.7 | SW | S |
| 0900 | 2 | 29.5 | X | | | | | | N | 77 | 5.6 | NW | S |
| 1000 | 6 | 29.5 | X | | | | | | N | 74 | 4.3 | SW | S |
| 1100 | 9 | 29.5 | X | | | | | | N | 71 | 2.5 | W | S |
| 1200 | 11 | 29.4 | X | | | | | | N | 69 | 6.5 | NW | S |
| 1300 | 15 | 29.4 | X | | | | | | N | 65 | 4 | W | S |
| 1400 | 17 | 29.4 | X | | | | | | N | 62 | 5.1 | W | S |
| 1500 | 18 | 29.4 | X | | | | | | N | 60 | 0.9 | SW | S |
| 1600 | 17 | 29.4 | X | | | | | | N | 63 | 0.9 | SW | S |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | ERM, Keller & 06 Environmental onsite for site-wide H&S tailgate meeting. |
| 0700 | PID perimeter check – no hits. Badger onsite @ 0730. |
| 0800 | PID perimeter check – no hits. 06 Environmental prepare to set up safety fence where necessary. |
| 0900 | PID perimeter check – no hits. |
| 0930 | Marshall and Paul w/ERM check out Church St. houses for water damage in basement/ outside |
| 1000 | Check SAM DustTrak flows – calibrated SAM # 1, 3, 4 & 5 |
| 1030 | PID perimeter check – no hits. |
| 1100 | Remove VOC samples from SKC pumps. Unplugged SKC pumps from all SAM locations. |
| 1200 | PID perimeter check – no hits. |
| 1300 | Marshall in a meeting for Westlake. |
| 1400 | PID perimeter check – no hits. Begin swapping batteries out for SAM # 2, 4, & 5. |
| 1500 | PID perimeter check – no hits. |
| 1700 | All personnel offsite. |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 01/07/2022

# Air Monitoring Field Log

**Client Company: Ameren**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (OF) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | | | | | | | | | | | | | |
| 0800 | 15 | 29.6 | X | | | | | | N | 76 | 2.9 | S | C |
| 0900 | 19 | 29.6 | X | | | | | | N | 70 | 2.2 | S | C |
| 1000 | 23 | 29.6 | X | | | | | | N | 64 | 4.5 | SW | S |
| 1100 | 24 | 29.6 | X | | | | | | N | 63 | 6.9 | S | S |
| 1200 | 26 | 29.6 | X | | | | | | N | 62 | 4.5 | W | S |
| 1300 | 27 | 29.6 | X | | | | | | N | 60 | 6.9 | N | S |
| 1400 | 26 | 29.6 | X | | | | | | N | 57 | 4.3 | N | S |
| 1500 | 25 | 29.6 | X | | | | | | N | 58 | 12.5 | NW | S |
| 1600 | 25 | 29.6 | X | | | | | | N | 58 | 5.6 | NW | S |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | ERM, Keller & 06 Environmental onsite for site-wide H&S tailgate meeting. |
| 0725 | Calibration for PID = 90.1 & PID perimeter check – no hits. |
| 0830 | PID perimeter check – no hits. Took site pictures of SAM location/ condition (all in good condition). |
| 0900 | Plug in SKC pumps, checked flow (calibrated SAM # 1) & install new PUF samples into all SAMs. |
| 0930 | Swap out batteries for SAM # 2, 4, & 5. Check DustTrak flow for all SAMs (calibrated SAM # 4). |
| 1030 | PID perimeter check – no hits. Keller/06 began moving crane into position. |
| 1130 | PID perimeter check – no hits. Keller/06 continue to remove scrap from hole near SAM # 4. |
| 1230 | PID perimeter check – no hits. |
| 1330 | PID perimeter check – no hits. Marshall checks Church Str. Houses (no damage/ corrugated pipes in place). |
| 1400 | Marshall in a meeting. |
| 1500 | PID perimeter check – no hits. Fill out COC for PUF samples. |
| 1600 | PID perimeter check – no hits. |
| 1630 | Marshall offsite to ship PUF samples. |
| 1700 | All personnel offsite. |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 01/10/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (OF) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 10 | 29.6 | X | | | | | | N | 71 | 2.7 | S | S |
| 0800 | 11 | 29.6 | X | | | | | | N | 72 | 3.6 | S | S |
| 0900 | 14 | 29.6 | X | | | | | | N | 67 | 4 | S | S |
| 1000 | 21 | 29.6 | X | | | | | | N | 61 | 2.2 | SE | S |
| 1100 | 25 | 29.6 | X | | | | | | N | 56 | 5.1 | S | S |
| 1200 | 29 | 29.6 | X | | | | | | N | 54 | 4 | S | S |
| 1300 | 33 | 29.4 | X | | | | | | N | 55 | 6.5 | S | S |
| 1400 | 36 | 29.4 | X | | | | | | N | 55 | 5.4 | S | S |
| 1500 | 36 | 29.4 | X | | | | | | N | 59 | 7.2 | SW | S |
| 1600 | 35 | 29.3 | X | | | | | | N | 65 | 2 | S | S |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | ERM, Keller & 06 Environmental onsite for site-wide H&S tailgate meeting. |
| 0720 | Calibrated PID. Perimeter check w/ PID afterwards – no hits. Took pictures of each SAM location |
| 0830 | Perimeter check w/ PID – no hits. Keller/06 receive shipment of I-beams & start drilling |
| 0930 | Perimeter check w/ PID – no hits. Uploaded pictures of SAM sites. |
| 1030 | Perimeter check w/ PID – no hits. |
| 1100 | Site meeting. |
| 1130 | Perimeter check w/ PID – no hits. Keller continue to drill on the corner of Hill & 5th Street |
| 1230 | Perimeter check w/ PID – no hits. |
| 1330 | Perimeter check w/ PID – no hits. |
| 1400 | Site meeting. |
| 1500 | Perimeter check w/ PID – no hits. Keller moved crane to center of where Hill St. meets 5th St. |
| 1600 | Perimeter check w/ PID – no hits. |
| 1700 | All personnel offsite. |
| | |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 01/11/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (OF) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 32 | 29.1 | X | | | | | | N | 81 | 3.6 | W | PC |
| 0800 | 32 | 29.1 | X | | | | | | N | 81 | 2.7 | SW | PC |
| 0900 | 35 | 29.2 | X | | | | | | N | 76 | 1.6 | W | C |
| 1000 | 36 | 29.1 | X | | | | | | N | 75 | 2.5 | SW | C |
| 1100 | 39 | 29.1 | X | | | | | | N | 70 | 2.0 | S | C |
| 1200 | 42 | 29.1 | X | | | | | | N | 63 | 5.4 | W | C |
| 1300 | 42 | 29.1 | X | | | | | | N | 64 | 3.6 | S | C |
| 1400 | 43 | 29.1 | X | | | | | | N | 63 | 4.3 | S | C |
| 1500 | 43 | 29.1 | X | | | | | | N | 64 | 0.9 | SSE | C |
| 1600 | 43 | 29.1 | X | | | | | | N | 66 | 2.5 | SSW | C |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | ERM, Keller & 06 Environmental onsite for site-wide Health & Safety tailgate meeting. |
| 0715 | Calibrated PID. |
| 0720 | PID perimeter check – no hits. |
| 0750 | Begin swapping out VOC PUF samples and checking SAM DustTrak & SKC pump flows |
| 0900 | PID perimeter check – no hits. |
| 1000 | PID perimeter check – no hits. |
| 1015 | Keller/ 06 receive new skid steer to replace existing one. |
| 1045 | Marshall offsite to pick up coolers and passive samples. |
| 1130 | PID perimeter check – no hits. |
| 1200 | Swap out passive samples. |
| 1235 | PID perimeter check – no hits. |
| 1330 | PID perimeter check – no hits. |
| 1400 | Marshall in a meeting. |
| 1600 | Marshall out of meeting. PID perimeter check – no hits. |
| 1630 | Marshall offsite to ship VOC puf and passive samples. |
| 1700 | All personnel offsite. |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 01/12/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (OF) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 31 | 28.9 | X | | | | | | N | 92 | 2.5 | NW | C |
| 0800 | 32 | 28.9 | X | | | | | | N | 91 | 3.8 | NW | C |
| 0900 | 33 | 28.9 | X | | | | | | N | 92 | 2.2 | N | C |
| 1000 | 34 | 29.0 | X | | | | | | N | 90 | 6.3 | N | C |
| 1100 | 37 | 29.0 | X | | | | | | N | 90 | 4.5 | N | C |
| 1200 | 40 | 28.9 | X | | | | | | N | 86 | 4.3 | N | C |
| 1300 | 43 | 28.9 | X | | | | | | N | 80 | 7.2 | N | PC |
| 1400 | 43 | 28.9 | X | | | | | | N | 79 | 4.5 | N | PC |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | ERM, Keller & 06 Environmental onsite for site-wide Health & Safety tailgate meeting. |
| 0700 | Calibrate PID – Calibrated (zero cal. = 0 \| span cal. = 100.1). |
| 0730 | PID perimeter check – no hits. |
| 0830 | PID perimeter check – no hits. |
| 0930 | PID perimeter check – no hits. |
| 1030 | PID perimeter check – no hits. |
| 1130 | PID perimeter check – no hits. |
| 1200 | Calibrated SAM's DustTrak flow as necessary. |
| 1230 | PID perimeter check – no hits. |
| 1330 | PID perimeter check – no hits. |
| 1430 | PID perimeter check – no hits. |
| 1530 | PID perimeter check – no hits. |
| 1630 | PID perimeter check – no hits. |
| 1700 | Marshall offsite. |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 01/13/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (OF) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 31 | 29.2 | X | | | | | | N | 100 | 6.8 | NE | C/H |
| 0800 | 31 | 29.2 | X | | | | | | N | 100 | 2.9 | N | C |
| 0900 | 31 | 29.2 | X | | | | | | N | 100 | 0.9 | NE | C |
| 1000 | 33 | 29.2 | X | | | | | | N | 100 | 5.6 | E | C |
| 1100 | 34 | 29.2 | X | | | | | | N | 100 | 4.7 | E | C |
| 1200 | 35 | 29.2 | X | | | | | | N | 93 | 5.1 | NE | C |
| 1300 | 36 | 29.2 | X | | | | | | N | 88 | 3.1 | E | C |
| 1400 | 36 | 29.2 | X | | | | | | N | 87 | 5.4 | NE | C |
| 1500 | 36 | 29.2 | X | | | | | | N | 86 | 5.8 | NE | C |
| 1600 | 37 | 29.2 | X | | | | | | N | 85 | 2.0 | NNE | C |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | ERM, Keller & 06 Environmental onsite for site-wide Health & Safety tailgate meeting. |
| 0720 | Calibrate PID. Bump test = 98.7 |
| 0730 | PID perimeter check – no hits. |
| 0830 | PID perimeter check – no hits. |
| 0930 | PID perimeter check – no hits. Checked SAM's DustTrak flow & calibrated as necessary – no calibrations required. |
| 1030 | PID perimeter check – no hits. |
| 1130 | PID perimeter check – no hits. Removed SAM PUF samples & unplugged SKC pumps from converters to save power. |
| 1230 | PID perimeter check – no hits. |
| 1330 | PID perimeter check – no hits. |
| 1430 | PID perimeter check – no hits. |
| 1530 | PID perimeter check – no hits. |
| 1700 | All personnel offsite. |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 01/14/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | NA | NA | NA | | | | | | NA | NA | NA | NA | NA |
| 0800 | NA | NA | NA | | | | | | NA | NA | NA | NA | NA |
| 0900 | 23 | 29.89 | X | | | | | | N | 86% | 17 | NW | Overcast |
| 1000 | 24 | 29.90 | X | | | | | | N | 84% | 18 | NW | Overcast |
| 1100 | 27 | 29.91 | X | | | | | | N | 82% | 16 | NW | Overcast |
| 1200 | 28 | 29.91 | X | | | | | | N | 79% | 16 | NW | Overcast |
| 1300 | 28 | 29.91 | X | | | | | | N | 78% | 16 | NW | Overcast |
| 1400 | 29 | 29.91 | X | | | | | | N | 78% | 14 | NW | Overcast |
| 1500 | 29 | 29.93 | X | | | | | | N | 78% | 14 | NW | Overcast |
| 1600 | 29 | 29.94 | X | | | | | | N | 79% | 13 | W | Overcast |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | ERM, Keller & 06 Environmental onsite for site-wide Health & Safety tailgate meeting. |
| 0740 | SAM 5 battery swap and restart. Snow and Ice removed from solar panel |
| 0757 | SAM 2 SKC pump flow = 2.17 adjusted to 2.01 LPM |
| 0800 | SAM 2 VOC sample installed |
| 0804 | SAM 2 DustTrak (DT) flow = 3.10 adjusted to 3.02 LPM |
| 0810 | SAM 3 SKC pump flow = 1.90 adjusted to 1.99 LPM |
| 0811 | SAM 3 VOC sample installed |
| 0813 | SAM 3 DT pump flow = 2.90 adjusted to 3.00 LPM |
| 0815 | SAM 1 SKC pump flow = 1.90 adjusted to 1.99 LPM |
| 0817 | SAM 1 VOC sample installed |
| 0819 | SAM 1 DT pump flow = 2.80 adjusted to 3.00 LPM |
| 0826 | SAM 5 SKC pump flow = 1.95 adjusted to 2.01 LPM |
| 0827 | SAM 5 VOC sample installed |
| 0830 | SAM 5 DT pump flow = 2.85 adjusted to 3.01 LPM |
| 0836 | SAM 4 SKC pump flow = 1.95 adjusted to 2.01 LPM |
| 0839 | SAM 4 VOC sample installed |
| 0840 | SAM 4 DT pump flow = 2.85 adjusted to 3.01 LPM |
| 0850 | PID calibration with bump test: Passed |

| | |
|---|---|
| 0900 | PID reading check<br>Weather readings |
| 0920 | PID perimeter check = 0.0 ppm.<br>No visible dust. Steam dissipating from locations where Keller has drilled. |
| 1000 | PID perimeter check<br>Weather readings |
| 1020 | PID perimeter check = 0.0 ppm<br>No visible dust. Keller continues drilling operations. |
| 1030 | Created Field Blank: 20220117-19-SAM 6; Install Time = 0805; Removal Time = 0845 |
| 1100 | PID perimeter check<br>Weather readings |
| 1120 | PID perimeter check = 0.0 ppm |
| 1200 | PID perimeter check<br>Weather readings |
| 1220 | PID perimeter check = 0.0 ppm |
| 1300 | PID perimeter check<br>Weather readings |
| 1320 | PID perimeter check = 0.0 ppm |
| 1400 | PID perimeter check<br>Weather readings |
| 1420 | PID perimeter check = 0.0 ppm |
| 1430 | Keller finished drilling. Workers offsite. |
| 1500 | PID perimeter check<br>Weather readings |
| 1520 | PID perimeter check = 0.0 ppm |
| 1600 | PID perimeter check<br>Weather readings |
| 1620 | PID perimeter check = 0.0 ppm |
| 1700 | End of day; all personnel offsite.<br>Loading samples for delivery to FedEx. |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 19 | 30.03 | X | | | | | | N | 95% | 8 | S | Overcast |
| 0800 | 24 | 30.03 | X | | | | | | N | 92% | 11 | S | Overcast |
| 0900 | 27 | 30.03 | X | | | | | | N | 91% | 13 | S | PC |
| 1000 | 30 | 30.01 | X | | | | | | N | 89% | 15 | S | S |
| 1100 | 34 | 29.98 | X | | | | | | N | 85% | 17 | S | S |
| 1200 | 38 | 29.94 | X | | | | | | N | 80% | 18 | S | S |
| 1300 | 42 | 29.90 | X | | | | | | N | 72% | 20 | S | S |
| 1400 | 45 | 29.88 | X | | | | | | N | 67% | 20 | S | S |
| 1500 | 46 | 29.85 | X | | | | | | N | 65% | 20 | S | S |
| 1600 | 45 | 29.84 | X | | | | | | N | 69% | 19 | S | PC |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | ERM, Keller & 06 Environmental onsite for site-wide Health & Safety tailgate meeting. |
| 0646 | SAM 2 Battery swap |
| 0700 | Weather Readings |
| 0749 | PID calibrated: Passed (Zero/Span/Bump) |
| 0754 | SAM 2 DustTrak (DT) flow = 3.15 adjusted to 3.01 LPM |
| 0758 | SAM 3 DT flow = 3.10 adjusted to 3.01 LPM |
| 0801 | SAM 1 DT flow = 3.10 adjusted to 3.01 LPM |
| 0804 | SAM 5 DT flow = 3.07 adjusted to 3.00 LPM |
| 0807 | SAM 4 DT flow = 3.22 adjusted to 3.00 LPM |
| 0820 | PID Perimeter Check = 0.0 ppm |
| 0900 | PID perimeter check<br>Weather readings |
| 0920 | PID perimeter check = 0.0 ppm |
| 1000 | PID perimeter check<br>Weather Reading |
| 1020 | PID perimeter check = 0.0 ppm<br>Jason Maska onsite for swapping Alicat calibration equipment |
| 1038 | Jason Maska offsite |
| 1100 | PID perimeter check<br>Weather reading |

| | |
|---|---|
| 1130 | PID perimeter check = 0.0 ppm |
| 1200 | PID perimeter check<br>Weather readings |
| 1220 | PID perimeter check = 0.0 ppm |
| 1300 | PID perimeter check<br>Weather readings |
| 1320 | PID perimeter check = 0.0 ppm |
| 1400 | PID perimeter check<br>Weather readings |
| 1420 | PID perimeter check = 0.0 ppm |
| 1500 | PID perimeter check<br>Weather readings |
| 1520 | PID perimeter check = 0.0 ppm |
| 1600 | PID perimeter check<br>Weather readings |
| 1620 | PID perimeter check = 0.0 ppm |
| 1700 | End of Day; all personnel offsite |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 01/18/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 31 | 30.02 | X | | | | | | N | 85% | 14 | NW | Overcast |
| 0800 | 30 | 30.04 | X | | | | | | N | 79% | 15 | NW | Overcast |
| 0900 | 29 | 30.08 | X | | | | | | N | 77% | 16 | NW | Overcast |
| 1000 | 28 | 30.11 | X | | | | | | N | 75% | 16 | NW | Overcast |
| 1100 | 27 | 30.14 | X | | | | | | N | 71% | 17 | NW | Overcast |
| 1200 | 26 | 30.15 | X | | | | | | N | 69% | 17 | NW | Overcast |
| 1300 | 24 | 30.15 | X | | | | | | N | 70% | 18 | NW | Overcast |
| 1400 | 23 | 30.16 | X | | | | | | N | 68% | 18 | NW | Overcast |
| 1500 | 22 | 30.19 | X | | | | | | N | 69% | 18 | NW | PC |
| 1600 | 21 | 30.23 | X | | | | | | N | 67% | 18 | NW | PC |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite Health and Safety meeting |
| 0700 | Weather readings |
| 0750 | PID Calibration: Passed |
| 0758 | SAM 2 VOC Removed |
| 0803 | SAM 2 SKC pump flow = 2.02 LPM |
| 0803 | SAM 2 DustTrak (DT) flow = 2.90 adjusted to 3.00 LPM |
| 0807 | SAM 3 VOC Removed |
| 0809 | SAM 3 SKC pump flow = 2.08 adjusted to 1.99 LPM |
| 0810 | SAM 3 DT flow = 2.98 LPM |
| 0813 | SAM 1 VOC Removed |
| 0816 | SAM 1 SKC pump flow = 2.13 adjusted to 2.00 LPM |
| 0817 | SAM 1 DT = 2.98 LPM |
| 0823 | SAM 5 VOC Removed |
| 0825 | SAM 5 SKC pump flow = 2.12 adjusted to 2.00 LPM |
| 0827 | SAM 5 DT flow = 3.24 adjusted to 2.99 LPM |
| 0832 | SAM 4 VOC Removed |
| 0833 | SAM 4 SKC pump flow = 2.15 adjusted to 1.99 |
| 0835 | SAM 4 DT = 3.21 adjusted to 3.00 |

| | |
|---|---|
| 0848 | SAM 2 VOC installed |
| 0850 | SAM 3 VOC installed |
| 0853 | SAM 1 VOC installed |
| 0858 | SAM 5 VOC installed |
| 0901 | SAM 4 VOC installed |
| 0902 | PID perimeter check<br>Weather readings |
| 0920 | PID perimeter check = 0.0 ppm |
| 0922 | Field blank created: 20220119 - 21- SAM 6<br>Install: 0930<br>Removal: 1030 |
| 1000 | PID perimeter check<br>Weather<br>Amy (Ameren) onsite |
| 1020 | PID perimeter check = 0.0 ppm |
| 1100 | PID perimeter check<br>Weather readings |
| 1120 | PID = 0.0 ppm<br>Amy and Jarred back onsite from Ameren house check |
| 1200 | Weather readings |
| 1205 | Paul (ERM) offsite for lunch |
| 1215 | Site talk with Jarred (ERM) and Amy (Ameren) about general air monitoring activities, test, equipment, etc. |
| 1220 | PID perimeter check |
| 1240 | PID = 0.0 ppm |
| 1300 | PID perimeter check<br>Weather readings |
| 1320 | PID perimeter check = 0.0 ppm |
| 1400 | PID perimeter check<br>Weather readings |
| 1418 | PID = 0.0 ppm |
| 1420 | Amy (Ameren) offsite |
| 1500 | PID perimeter check<br>Weather readings |
| 1520 | PID perimeter check = 0.0 ppm |
| 1600 | PID perimeter check<br>Weather readings |
| 1618 | PID perimeter check = 0.0 ppm<br>Keller housekeeping.<br>O6 housekeeping |
| 1700 | End of day; all personnel offsite<br>Shipping samples through FedEx. |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 7 | 30.56 | X | | | | | | N | 70% | 13 | N | S |
| 0800 | 7 | 30.58 | X | | | | | | N | 68% | 13 | N | S |
| 0900 | 9 | 30.60 | X | | | | | | N | 62% | 14 | N | S |
| 1000 | 10 | 30.61 | X | | | | | | N | 56% | 13 | N | S |
| 1100 | 13 | 30.61 | X | | | | | | N | 50% | 12 | N | S |
| 1200 | 16 | 30.58 | X | | | | | | N | 43% | 11 | N | S |
| 1300 | 18 | 30.58 | X | | | | | | N | 39% | 11 | N | S |
| 1400 | 18 | 30.57 | X | | | | | | N | 38% | 11 | N | S |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite Health and Safety meeting |
| 0700 | Weather readings |
| 0730 | PID Calibration: Passed<br>PID perimeter check |
| 0734 | SAM 2 DustTrak (DT) flow = 3.31 adjusted to 3.00 LPM |
| 0738 | SAM 3 DT flow = 3.17 adjusted to 2.99 LPM |
| 0741 | SAM 1 DT flow = 3.21 adjusted to 3.00 LPM |
| 0745 | SAM 5 DT flow = 2.96 adjusted to 2.99 LPM |
| 0750 | SAM 4 DT = 2.98 LPM<br>PID perimeter check = 0.0 ppm |
| 0800 | Weather readings |
| 0820 | PID perimeter check |
| 0842 | PID = 0.0 ppm<br>IMPL (F&G) and SAM 5 have oily odor from spoiling pit. |
| 0900 | PID perimeter check<br>Weather readings |
| 0918 | PID = 0.0 ppm<br>IMPL (F&G) and SAM 5 have oily odor from spoiling pit. |
| 1000 | PID perimeter check<br>Weather readings |
| 1030 | PID perimeter check = 0.0 ppm |

| | |
|---|---|
| 1105 | Jason Maska onsite<br>Site walk for Air Monitoring Station checks, etc.<br>PID perimeter check<br>Weather readings |
| 1150 | Site walk finished<br>PID = 0.0 ppm |
| 1200 | PID perimeter check<br>Weather readings |
| 1220 | PID = 0.0 ppm |
| 1245 | Jason Maska (ERM) offsite |
| 1300 | PID perimeter check<br>Weather readings |
| 1320 | PID = 0.0 ppm |
| 1400 | PID perimeter check<br>Weather readings |
| 1415 | PID = 0.0 ppm<br>No activity onsite. Waiting on trucks. |
| 1500 | End of Day; All personnel offsite |
| | |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 7 | 30.61 | X | | | | | | N | 76% | 4 | N | S |
| 0800 | 9 | 30.62 | X | | | | | | N | 72% | 4 | NE | S |
| 0900 | 13 | 30.62 | X | | | | | | N | 66% | 5 | E | S |
| 1000 | 15 | 30.62 | X | | | | | | N | 61% | 6 | E | S |
| 1100 | 19 | 30.60 | X | | | | | | N | 50% | 6 | E | S |

## Site Activity Log

| Time | Activity |
|---|---|
| 0700 | Onsite H&S meeting<br>Weather readings |
| 0800 | PID calibration: Passed<br>PID perimeter check |
| 0820 | PID = 0.0 ppm<br>Beginning SKC VOC sample collection |
| 0834 | SAM 2 SKC VOC Removed |
| 0836 | SAM 2 SKC flow = 2.18 adjusted to 1.99 LPM |
| 0837 | SAM 2 DustTrak (DT) = 2.98 LPM |
| 0840 | SAM 3 SKC VOC removed |
| 0842 | SAM 3 SKC flow = 2.08 adjusted to 1.99 LPM |
| 0843 | SAM 3 DT = 3.00 LPM |
| 0853 | SAM 1 SKC VOC removed |
| 0855 | SAM 1 SKC flow = 2.04 adjusted to 1.99 LPM |
| 0856 | SAM 1 DT = 2.98 LPM |
| 0902 | SAM 5 SKC VOC removed<br>Weather readings |
| 0903 | SAM 5 SKC flow = 2.01 LPM |
| 0905 | SAM 5 DT = 2.96 adjusted to 3.01 LPM |
| 0909 | SAM 4 SKC VOC removed |
| 0911 | SAM 4 SKC flow = 2.17 adjusted to 2.01 LPM |
| 0912 | SAM 4 DT = 3.15 adjusted to 3.01 LPM |
| 1000 | PID perimeter check |
| 1015 | PID perimeter check = 0.0 ppm |
| 1044 | SAM 4 offline. |

| | |
|---|---|
| | Fixing problem/swapping battery |
| 1055 | SAM 4 battery swapped; back online<br>SAM 2 offline |
| 1116 | SAM 2 battery swapped; back online<br>PID perimeter check<br>Weather check |
| 1125 | SAM 5 battery swapped as preliminary precaution for the weekend |
| 1130 | PID perimeter check = 0.0 ppm<br>No activity onsite<br>O6 programming GPS coordinates in excavator |
| 1200 | No activity onsite |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 24 | 29.72 | X | | | | | | N | 75% | 15 | S | Overcast |
| 0800 | 28 | 29.68 | X | | | | | | N | 76% | 16 | SW | Overcast |
| 0900 | 30 | 29.67 | X | | | | | | N | 75% | 16 | SW | Overcast |
| 1000 | 34 | 29.67 | X | | | | | | N | 72% | 15 | W | Overcast |
| 1100 | 35 | 29.67 | X | | | | | | N | 72% | 15 | W | Overcast |
| 1200 | 37 | 29.69 | | | | | | X | N | 72% | 16 | NW | Overcast |
| 1400 | 38 | 29.71 | X | | | | | | N | 71% | 16 | NW | Overcast |
| 1500 | 37 | 29.74 | X | | | | | | N | 70% | 16 | NW | Overcast |
| 1600 | 35 | 29.77 | X | | | | | | N | 73% | 15 | W | Overcast |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite H&S meeting (Keller, O6, ERM) |
| 0700 | Weather readings |
| 0730 | PID calibration: Passed |
| 0750 | SAM 2 DustTrak (DT) = 2.91 adjusted to 3.00 LPM |
| 0758 | SAM 2 SKC flow = 1.85 adjusted to 2.00 LPM |
| 0759 | SAM 2 SKC VOC installed |
| 0803 | SAM 3 DT = 2.85 adjusted to 3.00 LPM |
| 0805 | SAM 3 SKC flow = 1.90 adjusted to 2.00 LPM |
| 0807 | SAM 3 SKC VOC installed |
| 0811 | SAM 1 SKC flow = 1.85 adjusted to 2.00 LPM |
| 0813 | SAM 1 DT = 2.86 adjusted to 2.98 LPM |
| 0818 | SAM 1 SKC VOC installed |
| 0823 | SAM 5 DT = 2.90 adjusted to 3.01 LPM |
| 0825 | SAM 5 SKC flow = 1.95 adjusted to 2.01 LPM |
| 0828 | SAM 5 SKC VOC installed |
| 0835 | SAM 4 DT = 2.90 adjusted to 3.01 LPM |
| 0836 | SAM 4 SKC flow = 1.86 adjusted to 2.02 LPM |
| 0838 | SAM 4 SKC VOC installed |

| | |
|---|---|
| 0840 | PID perimeter check = 0.0 ppm |
| 0920 | PID perimeter check<br>Weather readings |
| 0940 | PID perimeter check = 0.0 ppm |
| 1000 | PID perimeter check<br>Weather readings |
| 1020 | PID perimeter check = 0.0 ppm |
| 1100 | PID perimeter check<br>Weather readings |
| 1120 | PID perimeter check = 0.0 ppm |
| 1200 | PID perimeter check<br>Weather readings |
| 1350 | PID perimeter check = 0.0 ppm |
| 1400 | PID perimeter check<br>Weather readings |
| 1430 | PID perimeter check = 0.0 ppm |
| 1500 | PID perimeter check<br>Weather readings |
| 1520 | PID perimeter check = 0.0 ppm |
| 1600 | PID perimeter check<br>Weather readings |
| 1620 | PID perimeter check = 0.0 ppm |
| 1700 | End of Day; all personnel offsite<br>Taking samples from Friday to FedEx to ship. |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 01/24/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 0800 | 8 | 30.27 | X | | | | | | N | 76% | 12 | NW | S |
| 0900 | 10 | 30.32 | X | | | | | | N | 68% | 12 | NW | S |
| 1000 | 11 | 30.33 | X | | | | | | N | 61% | 12 | NW | S |
| 1100 | 13 | 30.33 | X | | | | | | N | 56% | 12 | NW | S |
| 1200 | 15 | 30.33 | X | | | | | | N | 51% | 12 | NW | S |
| 1300 | 18 | 30.34 | X | | | | | | N | 43% | 12 | NW | S |
| 1400 | 18 | 30.34 | X | | | | | | N | 40% | 12 | NW | S |
| 1500 | 19 | 30.35 | X | | | | | | N | 39% | 12 | NW | S |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite H&S meeting (Keller, O6, ERM) |
| 0700 | Weather readings |
| 0730 | PID calibration: Passed |
| 0800 | PID perimeter check<br>Weather readings |
| 0812 | SAM 2 DustTrak (DT) = 3.14 adjusted to 3.00 LPM |
| 0815 | SAM 3 DT = 3.18 adjusted to 3.00 LPM |
| 0816 | SAM 1 DT = 3.22 adjusted to 2.99 LPM |
| 0820 | SAM 5 DT = 3.02 LPM |
| 0824 | SAM 4 DT = 2.94 adjusted to 3.01 LPM |
| 0824 | PID perimeter check = 0.0 ppm |
| 0900 | PID perimeter check<br>Weather readings |
| 0930 | PID perimeter check = 0.0 ppm |
| 1000 | PID perimeter check<br>Weather readings |
| 1020 | PID perimeter check = 0.0 ppm |
| 1100 | PID perimeter check<br>Weather readings |
| 1120 | PID perimeter check = 0.0 ppm |

| | |
|---|---|
| 1200 | PID perimeter check<br>Weather readings |
| 1220 | PID perimeter check = 0.0 ppm |
| 1240 | Strong oil odor in the south of the site to the south of H3 pit |
| 1300 | PID perimeter check<br>Weather readings |
| 1320 | PID perimeter check = 0.0 ppm<br>Oily odor throughout south side of excavation to the south of H3 pit due to strong northwest wind<br>Minor hits of 0.2 ppm for less than 10 seconds to the south of H3 pit |
| 1400 | PID perimeter check<br>Weather readings |
| 1420 | PID perimeter check = 0.0 ppm<br>Strong oily odor remains to the south of H3 pit. |
| 1500 | PID perimeter check<br>Weather readings |
| 1520 | PID perimeter check = 0.0 ppm<br>Odor persists from H3 pit |
| 1700 | Shipments have finished<br>Josh (ERM) offsite. |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 01/25/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | -2 | 30.55 | X | | | | | | N | 72% | 5 | NW | S |
| 0800 | 0 | 30.57 | X | | | | | | N | 67% | 5 | NW | S |
| 0900 | 2 | 30.57 | X | | | | | | N | 62% | 5 | NW | S |
| 1000 | 4 | 30.56 | X | | | | | | N | 57% | 4 | W | S |
| 1100 | 7 | 30.55 | X | | | | | | N | 53% | 4 | W | S |
| 1200 | 12 | 30.51 | X | | | | | | N | 46% | 5 | SW | S |
| 1300 | 15 | 30.49 | X | | | | | | N | 38% | 6 | SW | S |
| 1400 | 18 | 30.46 | X | | | | | | N | 35% | 6 | SW | S |
| 1500 | 19 | 30.44 | X | | | | | | N | 34% | 7 | SW | S |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite H&S meeting |
| 0700 | Weather readings |
| 0730 | PID Calibration: Passed |
| 0735 | SAM 2 DustTrak (DT) = 3.11 adjusted to 2.99 LPM |
| 0738 | SAM 2 SKC VOC Removed |
| 0742 | SAM 2 SKC flow = 2.13 adjusted to 2.01 LPM |
| 0744 | SAM 3 DT = 2.98 LPM |
| 0746 | SAM 3 SKC VOC Removed |
| 0747 | SAM 3 SKC flow = 2.10 adjusted to 2.00 LPM |
| 0750 | SAM 1 DT = 2.95 adjusted to 3.00 LPM |
| 0753 | SAM 1 SKC VOC Removed |
| 0754 | SAM 1 SKC flow = 2.10 adjusted to 1.98 LPM |
| 0801 | SAM 5 DT adjusted = 2.96 adjusted to 3.01 LPM |
| 0803 | SAM 5 SKC VOC Removed |
| 0805 | SAM 5 SKC flow = 2.08 adjusted to 2.02 LPM |
| 0809 | SAM 4 DT = 2.98 LPM |
| 0811 | SAM 4 SKC VOC Removed |
| 0813 | SAM 4 SKC flow = 2.25 adjusted to 2.03 LPM |

| | |
|---|---|
| 0845 | SAM 2 Passive sample Removed |
| 0849 | SAM 1 Passive sample Removed |
| 0851 | SAM 3 Passive sample Removed |
| 0855 | SAM 5 Passive sample Removed |
| 0858 | SAM 4 Passive sample Removed |
| 0859 | SAM 6 Passive sample Removed (Field Blank) |
| 0921 | SAM 2 SKC VOC installed |
| 0926 | SAM 2 Passive sample installed; ID: 1167510 |
| 0930 | SAM 3 SKC VOC installed |
| 0931 | SAM 3 Passive sample installed; ID: 1153944 |
| 0935 | SAM 1 SKC VOC installed |
| 0936 | SAM 1 Passive sample installed; ID: 1166969 |
| 0939 | SAM 5 SKC VOC installed |
| 0941 | SAM 5 Passive sample installed; ID: 1141521 |
| 0944 | SAM 4 SKC VOC installed |
| 0946 | SAM 4 Passive sample installed; ID: 1166885 |
| 0947 | SAM 6 Passive sample installed; ID: 1166889<br>SAM 6 Passive sample is the passive FIELD BLANK |
| 0950 | PID perimeter check = 0.0 ppm |
| 1000 | PID perimeter check<br>Weather readings |
| 1020 | PID perimeter check = 0.0 ppm<br>Oil/exhaust odor on south and southwest side of site from H3 pit |
| 1100 | PID perimeter check<br>Weather readings |
| 1130 | PID perimeter check = 0.0 ppm |
| 1200 | PID perimeter check<br>Weather readings |
| 1220 | PID perimeter check = 0.0 ppm |
| 1300 | PID perimeter check<br>Weather readings |
| 1330 | PID perimeter check = 0.0 ppm<br>Occasional brief hits of 0.1 ppm for less than 10 seconds downwind from H3 pit when contaminated soil chunks are pulled out. |
| 1400 | PID perimeter check<br>Weather readings |
| 1420 | PID perimeter check = 0.0 ppm |
| 1500 | PID perimeter check<br>Weather readings |
| 1520 | PID perimeter check = 0.0 ppm |
| 1600 | End of Day; Josh (ERM) offsite<br>Shipping samples: Passive and SKC VOC's via FedEx. |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 21 | 30.23 | | | | | | X | N | 69% | 14 | SW | Overcast |
| 0800 | 22 | 30.22 | | | | | | X | N | 73% | 14 | SW | Overcast |
| 0900 | 23 | 30.23 | X | | | | | | N | 77% | 14 | SW | Overcast |
| 1000 | 25 | 30.22 | X | | | | | | N | 76% | 15 | SW | Overcast |
| 1100 | 28 | 30.21 | X | | | | | | N | 76% | 15 | SW | Overcast |
| 1200 | 31 | 30.19 | X | | | | | | N | 69% | 16 | SW | Overcast |
| 1300 | 32 | 30.18 | X | | | | | | N | 71% | 15 | SW | Overcast |
| 1400 | 34 | 30.17 | X | | | | | | N | 67% | 14 | W | Overcast |
| 1500 | 36 | 30.18 | X | | | | | | N | 68% | 13 | W | Overcast |
| 1600 | 35 | 30.20 | X | | | | | | N | 71% | 8 | W | Overcast |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite H&S meeting |
| 0700 | Weather readings |
| 0730 | PID Calibration: Passed<br>PID perimeter check |
| 0742 | SAM 2 DustTrak (DT) = 2.85 adjusted to 3.01 LPM |
| 0743 | SAM 3 DT = 2.92 adjusted to 3.00 LPM |
| 0747 | SAM 1 DT = 2.96 adjusted to 2.99 LPM |
| 0749 | SAM 5 DT = 2.98 LPM |
| 0754 | SAM 4 DT = 2.96 adjusted to 2.99 LPM |
| 0759 | PID perimeter check = 0.0 ppm<br>There is a slight odor just north of H3 pit. Odor does not extend far, but is noticeable close to hole. |
| 0820 | PID perimeter check<br>Weather readings |
| 0840 | PID perimeter check = 0.0 ppm<br>Ameren house check |
| 0900 | PID perimeter check<br>Weather readings |
| 0920 | PID = 0.0 ppm<br>Odors present at IMPL (F, G, H, J, K). Odors at North side of excavation where Keller is drilling and to the north of the H3 pit. Odor presence is dominated by wind direction. |
| 1000 | PID perimeter check<br>Weather readings |

| | |
|---|---|
| 1020 | PID = 0.0 ppm overall<br>IMPL (L) ~ 0.1 ppm consistent to 0.2 ppm where Keller drilling<br>IMPL (C) ~ 0.1 ppm to 0.4 ppm for 15 seconds<br>Strong odor at North Gate and North of H3 pit and through IMPL (A – F).<br>Southern section is clear of odor<br>PID reading outside of northern fencing next to Keller crane spoils (fresh) = 0.1 ppm, but dissipates to 0.0 ppm further from fencing towards RR tracks<br>Odor remains further from fencing. |
| 1100 | PID perimeter check<br>Weather readings |
| 1130 | PID perimeter check = 0.0 ppm<br>Odor has decreased significantly. |
| 1200 | PID perimeter check<br>Weather readings |
| 1230 | PID perimeter check = 0.0 ppm<br>Odor at North gate of excavation has dissipated significantly<br>Overall odor has decreased since spoiling piles have been removed. |
| 1300 | PID perimeter check<br>Weather readings |
| 1330 | PID perimeter check = 0.0 ppm<br>Light odor persisting from spoiling pile in northern section. Odor decreased overall. |
| 1400 | PID perimeter check<br>Weather readings |
| 1420 | PID perimeter check = 0.0 ppm<br>Odor has further diminished across the entirety of the site.<br>Slight odor from H3 pit further diminished with rock loads<br>Slight odor at north gate further diminishing. |
| 1500 | PID perimeter check<br>Weather readings |
| 1520 | PID perimeter check = 0.0 ppm<br>Slight odor at IMPL (E) due to fresh drill spoils. |
| 1600 | PID perimeter check<br>Weather readings |
| 1620 | PID perimeter check = 0.0 ppm |
| 1700 | End of Day; all personnel offsite |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 01/27/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 25 | 30.25 | | | | | | X | N | 86% | 10 | N | Overcast |
| 0800 | 24 | 30.28 | | | | | | X | N | 85% | 13 | N | Overcast |
| 0900 | 24 | 30.29 | | | | | | X | N | 82% | 13 | N | Overcast |
| 1000 | 23 | 30.30 | | | | | | X | N | 74% | 13 | NE | Overcast |
| 1100 | 23 | 30.30 | | | | | | X | N | 72% | 13 | N | Overcast |
| 1200 | 23 | 30.30 | | | | | | X | N | 63% | 13 | N | Overcast |
| 1300 | 24 | 30.30 | | | | | | X | N | 62% | 13 | N | Overcast |
| 1400 | 26 | 30.30 | X | | | | | | N | 59% | 14 | N | PC |
| 1500 | 26 | 30.32 | X | | | | | | N | 60% | 14 | N | S |
| 1600 | 23 | 30.33 | X | | | | | | N | 65% | 12 | N | PC |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite H&S meeting |
| 0700 | Weather readings |
| 0730 | PID Calibration: Passed<br>PID perimeter check |
| 0748 | SAM 2 DustTrak (DT) = 2.93 adjusted to 2.99 LPM |
| 0750 | SAM 2 SKC VOC Removed |
| 0753 | SAM 3 DT = 2.93 adjusted to 3.01 LPM |
| 0756 | SAM 3 SKC VOC Removed |
| 0759 | SAM 1 DT = 2.93 adjusted to 3.00 LPM |
| 0803 | SAM 1 SKC VOC Removed |
| 0807 | SAM 5 DT = 2.85 adjusted to 3.00 LPM |
| 0810 | SAM 5 SKC VOC Removed |
| 0820 | SAM 4 Battery Swap |
| 0822 | SAM 4 SKC VOC Removed |
| 0823 | SAM 4 DT = 3.02 LPM |
| 0825 | PID Perimeter check = 0.0 ppm |
| 0900 | PID perimeter check<br>Weather readings |
| 0920 | PID perimeter check = 0.0 ppm |

| | |
|---|---|
| 0930 | Minor odor at SAM 5. Likely from Keller drilling spoilings and the H3 pit |
| 1000 | PID perimeter check<br>Weathering |
| 1020 | PID perimeter check = 0.0 ppm |
| 1100 | PID perimeter check<br>Weather readings |
| 1120 | PID perimeter check = 0.0 ppm<br>No detectable odor |
| 1200 | PID perimeter check<br>Weather readings |
| 1220 | PID perimeter check = 0.0 ppm |
| 1300 | PID perimeter check<br>Weather readings |
| 1320 | PID perimeter check = 0.0 ppm<br>No odor present acrost the site. |
| 1400 | PID perimeter check<br>Weather |
| 1420 | PID perimeter check = 0.0 ppm<br>No odor present along the perimeter. Very slight odor dow nw ind of Keller's drilling location. |
| 1500 | PID perimeter check<br>Weather |
| 1520 | PID perimeter check = 0.0 ppm<br>Minor odor from spoiling pile in north w estern section of excavation. |
| 1600 | PID perimeter check<br>Weather readings |
| 1610 | SAM 2 Battery changed |
| 1615 | SAM 5 Battery changed |
| 1620 | PID perimeter check = 0.0 ppm |
| 1700 | End of Day; all personnel offsite |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 01/28/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 15 | 30.18 | X | | | | | | N | 90% | 4 | SE | PC |
| 0800 | 17 | 30.18 | X | | | | | | N | 89% | 5 | SE | S |
| 0900 | 20 | 30.18 | X | | | | | | N | 86% | 8 | SE | S |
| 1000 | 23 | 30.18 | X | | | | | | N | 82% | 9 | SE | S |
| 1100 | 28 | 30.16 | X | | | | | | N | 75% | 10 | S | S |
| 1200 | 34 | 30.13 | X | | | | | | N | 63% | 11 | S | S |
| 1300 | 37 | 30.11 | X | | | | | | N | 59% | 12 | S | S |
| 1400 | 39 | 30.09 | X | | | | | | N | 54% | 12 | S | S |
| 1500 | 39 | 30.07 | X | | | | | | N | 56% | 12 | S | S |
| 1600 | 38 | 30.07 | X | | | | | | N | 58% | 12 | SE | PC |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite H&S meeting |
| 0700 | Weather readings |
| 0730 | PID Calibration: Passed<br>PID perimeter check<br>Beginning SKC VOC Sample installation |
| 0752 | SAM 2 DustTrak (DT) = 3.08 adjusted to 3.00 LPM |
| 0754 | SAM 2 SKC flow = 1.99 LPM |
| 0754 | SAM 2 VOC installed |
| 0759 | SAM 3 DT = 3.08 adjusted to 2.99 LPM |
| 0801 | SAM 3 SKC flow = 2.03 adjusted to 2.01 LPM |
| 0802 | SAM 3 VOC installed |
| 0805 | SAM 1 DT = 3.04 adjusted to 3.00 LPM |
| 0807 | SAM 1 SKC flow = 2.00 LPM |
| 0809 | SAM 1 VOC installed |
| 0816 | SAM 5 DT = 3.14 adjusted to 3.00 LPM |
| 0817 | SAM 5 SKC flow = =2.05 adjusted to 2.01 LPM |
| 0819 | SAM 5 VOC installed |
| 0824 | SAM 4 DT = 2.95 adjusted to 2.99 LPM |
| 0827 | SAM 4 SKC flow = 1.80 adjusted 2.01 LPM |

| | |
|---|---|
| 0828 | SAM 4 VOC installed |
| 0830 | PID perimeter check = 0.0 ppm<br>Slight vinegar odor at IPML (H) |
| 0900 | PID perimeter check<br>Weather readings |
| 0930 | PID = 0.0 ppm<br>IPML (H) vinegar odor remains albeit slight. |
| 1000 | PID perimeter check<br>Weather readings |
| 1020 | PID perimeter check = 0.0 ppm<br>Only exhaust odor present near machinery |
| 1100 | PID perimeter check<br>Weather readings |
| 1120 | PID perimeter check = 0.0 ppm |
| 1200 | PID perimeter check<br>Weather readings<br>Installing DustTrak filters |
| 1220 | PID perimeter check = 0.0 ppm |
| 1300 | PID perimeter check<br>Weather readings |
| 1303 | SAM 2 DustTrak (DT) Sample installed |
| 1305 | SAM 3 DT Sample installed |
| 1309 | SAM 1 DT Sample installed |
| 1313 | SAM 5 DT Sample installed |
| 1320 | SAM 4 DT Sample installed |
| 1325 | PID perimeter check = 0.0 ppm |
| 1400 | PID perimeter check<br>Weather readings |
| 1420 | PID perimeter check = 0.0 ppm<br>No odors present<br>Keller finished drilling<br>Minor dust from gravel/backfill H3 pit. Dust does not visibly leave site. |
| 1500 | PID perimeter check<br>Weather readings |
| 1520 | PID perimeter check = 0.0 ppm |
| 1600 | PID perimeter check<br>Weather readings |
| 1620 | PID perimeter check = 0.0 ppm<br>Keller taken auger off of crane |
| 1700 | End of Day; all personnel offsite<br>Shipping samples from 1/26 – 28 from Friday. |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 34 | 29.98 | X | | | | | | N | 88% | 13 | S | PC |
| 0800 | 38 | 29.98 | X | | | | | | N | 83% | 15 | S | PC |
| 0900 | 40 | 29.99 | X | | | | | | N | 79% | 16 | S | PC |
| 1000 | 44 | 30.00 | | | X | | | | N | 75% | 16 | S | PC |
| 1100 | 48 | 29.99 | X | | | | | | N | 69% | 18 | S | PC |
| 1200 | 50 | 29.98 | X | | | | | | N | 66% | 18 | S | PC |
| 1300 | 50 | 29.97 | X | | | | | | N | 67% | 18 | S | PC |
| 1400 | 52 | 29.95 | X | | | | | | N | 66% | 19 | S | PC |
| 1500 | 51 | 29.97 | X | | | | | | Y | 68% | 17 | S | PC |
| 1600 | 50 | 29.98 | | X | | | | | N | 74% | 14 | SW | Overcast |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite H&S meeting |
| 0700 | Weather readings |
| 0730 | PID calibration: Passed<br>PID perimeter check |
| 0747 | SAM 2 DustTrak (DT) = 2.92 adjusted to 2.99 LPM |
| 0748 | SAM 3 DT = 2.98 LPM |
| 0750 | SAM 1 DT = 3.00 LPM |
| 0757 | SAM 5 DT = 3.23 adjusted to 3.01 LPM |
| 0801 | SAM 4 DT = 3.16 adjusted to 3.01 LPM |
| 0820 | SAM 1 – 5 DustTrak filters oiled. |
| 0900 | PID perimeter check<br>Weather readings |
| 0920 | PID perimeter check = 0.0 ppm. |
| 1000 | PID perimeter check<br>Weather readings |
| 1020 | PID perimeter check = 0.0 ppm |
| 1100 | PID perimeter check<br>Weather readings |
| 1120 | PID perimeter check = 0.0 ppm |
| 1200 | PID perimeter check |

| | |
|---|---|
| | Weather readings |
| 1220 | PID perimeter check = 0.0 ppm |
| 1300 | PID perimeter check<br>Weather readings |
| 1320 | PID perimeter check = 0.0 ppm |
| 1400 | PID perimeter check<br>Weather readings |
| 1420 | PID perimeter check = 0.0 ppm |
| 1500 | PID perimeter check<br>Weather readings<br>Dust gusting offsite from fresh gravel on road from H3 pit backfill |
| 1520 | PID perimeter check = 0.0 ppm |
| 1600 | PID perimeter check<br>Weather readings |
| 1620 | PID perimeter check = 0.0 ppm<br>Raining |
| 1700 | End of day; all personnel offsite |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 02/01/2022

# Air Monitoring Field Log

**Client Company: ERM**

**Site Location: Champaign 5th Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 27 | 30.14 | | | | | | X | N | 98% | 18 | NE | Overcast |
| 0800 | 27 | 30.14 | | | | | | X | N | 98% | 18 | NE | Overcast |
| 0900 | 26 | 30.15 | | | | | | X | N | 98% | 19 | NE | Overcast |
| 1000 | 26 | 30.15 | | | | | | X | N | 98% | 19 | N | Overcast |
| 1100 | 25 | 30.15 | | | | | | X | N | 97% | 19 | N | Overcast |
| 1200 | 24 | 30.16 | | | | | | X | N | 93% | 20 | N | Overcast |
| 1300 | 23 | 30.16 | | | | | | X | N | 89% | 20 | N | Overcast |
| 1400 | 22 | 30.16 | | | | | | X | N | 86% | 20 | N | Overcast |
| 1500 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1600 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite H&S meeting |
| 0700 | Weather readings |
| 0730 | PID calibration: Passed<br>NOTE: no PID readings taken today due to steady snow fall and no onsite activities except snow plowing |
| 0745 | Josh (ERM) offsite for sample pickup |
| 0759 | Josh (ERM) onsite with samples |
| 0812 | SAM 2 DustTrak (DT) = 2.98 LPM |
| 0813 | SAM 2 SKC VOC Removed |
| 0816 | SAM 2 SKC flow = 1.90 adjusted to 2.01 LPM |
| 0823 | SAM 3 DT = 2.90 adjusted to 3.02 LPM |
| 0834 | SAM 3 SKC VOC Removed |
| 0837 | SAM 3 SKC flow = 1.90 adjusted to 1.99 LPM |
| 0847 | SAM 1 SKC VOC Removed |
| 0848 | SAM 1 SKC flow = 1.90 adjusted to 2.00 LPM |
| 0848 | SAM 1 DT = 2.90 adjusted to 3.00 LPM |
| 0849 | SAM 5 DT = 2.83 adjusted to 3.00 LPM |
| 0849 | SAM 5 SKC VOC Removed |
| 0850 | SAM 5 SKC flow = 1.99 LPM |

| | |
|---|---|
| 0853 | SAM 4 DT = 2.87 adjusted to 2.98 LPM |
| 0854 | SAM 4 SKC VOC Removed |
| 0856 | SAM 4 SKC flow = 1.99 LPM |
| 0953 | SAM 2 VOC installed |
| 1003 | SAM 3 VOC installed |
| 1004 | SAM 1 VOC installed |
| 1009 | SAM 5 VOC installed |
| 1013 | SAM 4 VOC installed |
| 1100 | Clearing off snow each hour from solar panels and DustTraks at each air monitoring station. |
| 1200 | Weather readings<br>SAM 2 offline |
| 1300 | SAM 2 online |
| 1400 | Weather readings<br>SAM 4 and SAM 5 batteries swapped |
| 1500 | End of Day; all personnel offsite<br>Sending samples to FedEx for Lab. |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Completed by: Joshua Richards Date: 02/02/2022 Reviewed: _____

# Air Monitoring Field Log

**Client Company: ERM**

**Site Location: Champaign 5th Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 18 | 30.35 | | | | | | X | N | 94% | 16 | NE | Overcast |
| 0800 | 19 | 30.35 | | | | | | X | N | 94% | 17 | NE | Overcast |
| 0900 | 20 | 30.35 | | | | | | X | N | 90% | 19 | NE | Overcast |
| 1000 | 20 | 30.34 | | | | | | X | N | 89% | 19 | NE | Overcast |
| 1100 | 21 | 30.33 | | | | | | X | N | 85% | 20 | NE | Overcast |
| 1200 | 21 | 30.32 | | | | | | X | N | 82% | 21 | NE | Overcast |
| 1300 | 21 | 30.32 | | | | | | X | N | 80% | 21 | NE | Overcast |
| 1400 | 21 | 30.32 | | | | | | X | N | 79% | 21 | NE | Overcast |
| 1500 | 21 | 30.31 | | | | | | X | N | 78% | 20 | NE | Overcast |
| 1600 | 21 | 30.31 | | | | | | X | N | 77% | 19 | NE | Overcast |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite H&S meeting |
| 0700 | Weather readings<br>NOTE: No PID readings are being conducted today due to inclement weather and snow covering all surfaces of work site there is no onsite excavation or other ground penetration work being done today. Only snow plowing activities to keep site roads clear. |
| 0730 | PID calibration: Passed<br>NOTE: No PID readings taken today due to steady snow fall and no onsite activities except snow plowing<br>Could not send samples due to snow storm and all mailing services were closed. Attempting sample shipment today |
| 0800 | Weather readings |
| 0830 | Lights flashing on porch at Yellow Ameren house.<br>Josh (ERM) heading over to Yellow Ameren house to fix issue. |
| 0841 | Found fallen out window in SE corner of Yellow house at 506 Church St.<br>Set window back into place and locked the window<br>No apparent sign of forced entry. No indentations in snow from night before, or current. No prints on or around window sill or surrounding area. Screen still intact and locked in place.<br>Window locking mechanism appears faulty. Upper right side of window lock into the slider is broken and left side sliding lock spring is weak. Window is unbroken. |
| 0900 | Finished going through all Ameren houses. No leaks or other windows knocked out of place<br>Weather readings |
| 1000 | Weather readings |
| 1030 | Keegan and Tyler (O6) and Josh (ERM) checking White Ameren house basement |
| 1100 | Weather readings |

| | |
|---|---|
| 1130 | Clearing pathways through snow |
| 1200 | Weather readings<br>Heading to Ameren home 508 Church St. with O6 |
| 1300 | Weather readings |
| 1400 | Weather readings |
| 1500 | Weather readings |
| 1600 | Weather readings<br>Finished drywalling 508 Church St. Ameren house basement |
| 1701 | SAM 3 DT Sample removed |
| 1703 | SAM 3 SKC VOC sample removed |
| 1705 | SAM 1 DT Sample removed |
| 1709 | SAM 1 SKC VOC sample removed |
| 1709 | SAM 5 DT Sample removed |
| 1710 | SAM 5 SKC VOC sample removed |
| 1713 | SAM 4 DT Sample removed |
| 1715 | SAM 4 SKC VOC sample removed |
| 1718 | SAM 2 DT Sample removed |
| 1720 | SAM 2 SKC VOC sample removed |
| 1725 | SAM 6 SKC VOC field blank sample created |
| 1730 | End of Day; all personnel offsite<br>Samples stored to ship Monday (2/7/22) |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Completed by: Joshua Richards Date: 02/03/2022 Reviewed: _____

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 0800 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 0900 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1000 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1100 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1200 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1300 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1400 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1500 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1600 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

## Site Activity Log

| Time | Activity |
|---|---|
| 0700 | Josh (ERM) onsite.<br>No onsite work activity scheduled except fuel truck and plumber for Ameren home at 508 Church St.<br>SAM 2 offline at 20:11 hours |
| 0700 | SAM 2 battery swapped; online |
| 0715 | SAM 5 battery swapped; online |
| 0730 | Josh ERM offsite. |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Completed by: Joshua Richards Date: 02/04/2022 Reviewed: _____

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 9 | 30.28 | X | | | | | | N | 90% | 10 | NE | S |
| 0800 | 13 | 30.31 | X | | | | | | N | 80% | 12 | NE | S |
| 0900 | 15 | 30.31 | X | | | | | | N | 77% | 11 | NW | S |
| 1000 | 16 | 30.31 | X | | | | | | N | 77% | 11 | NW | S |
| 1100 | 18 | 30.30 | X | | | | | | N | 78% | 10 | NW | S |
| 1200 | 19 | 30.29 | X | | | | | | N | 75% | 10 | W | S |
| 1300 | 20 | 30.28 | X | | | | | | N | 71% | 9 | W | S |
| 1400 | 22 | 30.28 | X | | | | | | N | 61% | 10 | W | S |
| 1500 | 23 | 30.26 | X | | | | | | N | 64% | 10 | W | S |
| 1600 | 22 | 30.26 | X | | | | | | N | 66% | 8 | NW | S |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite H&S meeting |
| 0700 | Weather readings |
| 0730 | PID calibration: Passed (Zero/Span/Bump) |
| 0758 | PID readings<br>Weather<br>SAM 4 DustTrak (DT) = 3.25 adjusted to 3.00 LPM |
| 0804 | SAM 4 SKC flow = 2.13 adjusted to 1.98 LPM |
| 0806 | SAM 4 SKC VOC installed |
| 0810 | SAM 5 DT = 3.18 adjusted to 2.99 LPM |
| 0812 | SAM 5 SKC flow = 2.06 adjusted to 2.02 LPM |
| 0814 | SAM 5 SKC VOC installed |
| 0818 | SAM 3 DT = 3.08 adjusted to 3.02 LPM |
| 0820 | SAM 3 SKC flow = 2.08 adjusted to 1.99 LPM |
| 0822 | SAM 3 SKC VOC installed |
| 0825 | SAM 1 DT = 3.09 adjusted to 3.01 LPM |
| 0826 | SAM 1 SKC flow = 2.03 LPM |
| 0828 | SAM 1 SKC VOC installed |
| 0832 | SAM 2 DT = 2.86 adjusted to 2.99 LPM |
| 0834 | SAM 2 SKC flow = 1.93 adjusted to 1.98 LPM |

| | |
|---|---|
| 0836 | SAM 2 SKC VOC installed |
| 0900 | PID perimeter check<br>Weather readings |
| 0920 | PID perimeter check = 0.0 ppm. |
| 1000 | PID perimeter check<br>Weather readings |
| 1020 | PID perimeter check = 0.0 ppm |
| 1100 | PID perimeter check<br>Weather readings |
| 1120 | PID perimeter check = 0.0 ppm |
| 1200 | PID perimeter check<br>Weather readings |
| 1220 | PID perimeter check = 0.0 ppm |
| 1300 | PID perimeter check<br>Weather readings |
| 1320 | PID perimeter check = 0.00 ppm |
| 1400 | PID perimeter check<br>Weather readings |
| 1420 | PID perimeter check = 0.0 ppm |
| 1500 | PID perimeter check<br>Weather readings |
| 1520 | PID perimeter check = 0.0 ppm |
| 1600 | PID perimeter check<br>Weather readings |
| 1620 | PID perimeter check = 0.0 ppm |
| 1700 | END of day; all personnel offsite<br>Shipping samples via FedEx |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 02/07/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 16 | 30.10 | X | | | | | | N | 81% | 9 | S | S |
| 0800 | 19 | 30.08 | X | | | | | | N | 84% | 11 | S | S |
| 0900 | 22 | 30.08 | X | | | | | | N | 86% | 11 | S | S |
| 1000 | 25 | 30.06 | X | | | | | | N | 87% | 12 | S | S |
| 1100 | 30 | 30.05 | X | | | | | | N | 88% | 12 | S | S |
| 1200 | 34 | 30.01 | X | | | | | | N | 84% | 12 | S | S |
| 1300 | 36 | 29.99 | X | | | | | | N | 80% | 12 | S | S |
| 1400 | 38 | 29.96 | X | | | | | | N | 75% | 12 | S | S |
| 1500 | 38 | 29.95 | X | | | | | | N | 76% | 12 | S | S |
| 1600 | 38 | 29.94 | X | | | | | | N | 77% | 13 | S | S |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite H&S meeting |
| 0700 | Weather readings |
| 0730 | PID calibration: Passed (Zero/Span/Bump) |
| 0800 | PID perimeter check<br>Weather readings |
| 0820 | PID perimeter check = 0.0 ppm |
| 0900 | PID perimeter check<br>Weather readings |
| 0920 | PID perimeter check = 0.0 ppm |
| 1000 | PID perimeter check<br>Weather readings<br>O6 digging at northern gate section of excavation<br>IMPL (L) – strong oil odor = 0.1 ppm outside of northern gate section.<br>Odor dissipates at barracades on North 5th St. and Washington St. intersection<br>Sidewalk = 0.0 ppm<br>Steady wind does increase odor and PID reading to 0.1 ppm |
| 1030 | PID perimeter check = 0.0 ppm<br>IMPL (K) = 0.1 ppm with oily odor |
| 1045 | North gate excavation produces strong odor<br>PID reading is steady at 0.2 ppm just outside northern gate fencing; occasional jump to 0.6 ppm when bucket is removing material; Contamination plume.<br>North 5th St. and Washington St. PID reading is 0.1 ppm.<br>Talked to Keegan (O6) and Bret (ERM); came up with solution to reduce odor and PID readings; We will cover the |

| | |
|---|---|
| | excavated area with clean material as excavation continues. |
| 1130 | PID perimeter check<br>Weather readings |
| 1149 | SAM 2 DustTrak (DT) = 3.02 LPM |
| 1152 | SAM 3 DT = 2.96 adjusted to 3.00 LPM |
| 1155 | SAM 1 DT = 2.96 adjusted to 3.01 LPM |
| 1156 | SAM 5 DT = 2.97 adjusted to 3.00 LPM |
| 1203 | SAM 4 DT = 2.85 adjusted to 3.02 LPM |
| 1205 | IMPL (K&L) = 0.1 ppm<br>SAM 4 PID = 0.1 ppm |
| 1220 | Overall PID perimeter check = 0.0 ppm |
| 1300 | PID perimeter check<br>Weather readings |
| 1320 | IMPL (L) = 0.1 ppm<br>North Gate PID = steady 0.1 ppm with occasional jump to 0.3 ppm when bucket of material is removed for ~ 5 seconds. |
| 1345 | 5th St. and Washington St. = 0.1 ppm<br>Strong oily odor at intersection<br>Also jumps to 0.3 ppm for approximately 5 seconds when fresh material is exposed |
| 1350 | IMPL (K) and SAM 4 PID = 0.1 ppm |
| 1400 | PID perimeter check<br>Weather readings |
| 1420 | PID perimeter check = 0.0 ppm<br>IMPL (L) = 0.1 with occasional increase to 0.2 and 0.3 ppm for ~5 seconds before dissipating to 0.1 ppm.<br>Strong oily odor |
| 1500 | PID perimeter check |
| 1515 | IMPL (L) = 0.2 ppm next to hole<br>North gate = ~0.1 ppm and 0.2 ppm near fencing<br>North 5th St. and Washington St. = 0.1 ppm<br>Strong oily odor |
| 1520 | Perimeter generally = 0.0 ppm except at IMPL (L) and at North Gate. |
| 1600 | PID perimeter check<br>Weather readings |
| 1615 | North Gate PID = 0.2 ppm at fenceline<br>5th and Washington St. intersection PID = 0.1 ppm with oily odor |
| 1620 | PID perimeter check = 0.0 ppm in all location excluding the north gate excavation area. |
| 1700 | End of Day; all personnel offsite. |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 02/08/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 30 | 29.95 | X | | | | | | N | 96% | 10 | SW | S |
| 0800 | 32 | 29.85 | X | | | | | | N | 95% | 10 | SW | S |
| 0900 | 33 | 29.86 | X | | | | | | N | 94% | 10 | W | S |
| 1000 | 35 | 29.85 | X | | | | | | N | 92% | 10 | W | S |
| 1100 | 37 | 29.84 | X | | | | | | N | 90% | 10 | W | S |
| 1200 | 39 | 29.82 | X | | | | | | N | 91% | 12 | W | S |
| 1300 | 39 | 29.82 | X | | | | | | N | 90% | 12 | W | S |
| 1400 | 39 | 29.82 | X | | | | | | N | 90% | 12 | W | PC |
| 1500 | 39 | 29.81 | X | | | | | | N | 93% | 13 | W | Overcast |
| 1600 | 38 | 29.82 | X | | | | | | N | 94% | 12 | W | Overcast |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite H&S meeting |
| 0700 | Weather readings |
| 0730 | PID calibration: Passed (Zero/Span/Bump)<br>O6 put covering on the northern gate excavation area to prevent excessive off gassing from hole.<br>Appears to have helped significantly |
| 0738 | SAM 2 SKC VOC Removed |
| 0739 | SAM 2 SKC flow = 2.12 adjusted to 1.98 LPM |
| 0740 | SAM 2 DustTrak (DT) = 3.11 adjusted to 3.00 LPM |
| 0745 | SAM 3 SKC VOC Removed |
| 0746 | SAM 3 SKC flow = 2.02 LPM |
| 0747 | SAM 3 DT = 3.02 LPM |
| 0750 | SAM 1 SKC VOC Removed |
| 0752 | SAM 1 SKC flow = 2.07 adjusted to 1.99 LPM |
| 0753 | SAM 1 DT = 3.06 adjusted to 3.00 LPM |
| 0759 | SAM 5 SKC VOC Removed |
| 0800 | SAM 5 SKC flow = 2.00 LPM |
| 0802 | SAM 2 DT = 3.06 adjusted to 3.00 LPM |
| 0805 | SAM 4 DT = 3.04 adjusted to 3.01 LPM |
| 0808 | SAM 4 SKC VOC Removed |

| | |
|---|---|
| 0809 | SAM 4 SKC flow = 1.90 adjusted to 2.02 LPM |
| 0810 | SAM 6 field blank removal time for COC |
| 0822 | SAM 2 Passive VOC Removed |
| 0823 | SAM 2 Passive VOC Installed; ID: 1153876 |
| 0827 | SAM 3 Passive VOC Removed |
| 0828 | SAM 1 Passive VOC Removed |
| 0830 | SAM 3 Passive VOC Installed; ID: 1155768 |
| 0833 | SAM 1 Passive VOC Installed; ID: 1152377 |
| 0837 | SAM 5 Passive VOC Removed |
| 0839 | SAM 5 Passive VOC Installed; ID: 1155820 |
| 0843 | SAM 4 Passive VOC Removed |
| 0845 | SAM 4 Passive VOC Installed; ID: 1155791 |
| 0849 | Passive samples stored in Freezer. |
| 0850 | PID Perimeter check = 0.0 ppm overall<br>Slight odor towards North Gate Excavation |
| 0900 | PID perimeter check<br>IMPL (A, B, C) PID = 0.0 ppm with occasional hits of 0.1 ppm with wind gust<br>Slight oily odor present |
| 0902 | Strong odor at IMPL (A) when loading trucks with excavated material<br>Steady PID = 0.1 ppm |
| 0905 | IMPL (F) PID = 0.0 ppm<br>Fishy odor; smells like dead fish |
| 0920 | PID perimeter check = 0.0 ppm overall. |
| 1000 | PID perimeter check<br>Weather readings |
| 1014 | IMPL (A) = 0.1 ppm<br>Strong oily odor during wind gusts |
| 1020 | PID perimeter check = 0.0 ppm |
| 1100 | PID perimeter check<br>Weather readings |
| 1118 | PID perimeter check = 0.0 ppm<br>IPML (A) = 0.1 ppm with wind gust.<br>Slight odor remains |
| 1130 | Josh (ERM) offsite for sample pickup |
| 1145 | Josh (ERM) onsite with samples |
| 1203 | SAM 2 SKC VOC Installed |
| 1207 | SAM 3 SKC VOC Installed |
| 1211 | SAM 1 SKC VOC Installed |
| 1217 | SAM 5 SKC VOC Installed |
| 1222 | SAM 4 SKC VOC Installed |
| 1225 | PID Perimeter check = 0.0 ppm<br>IMPL (A) PID = 0.0 ppm with occasional jump to 0.1 ppm for ~5 – 10 seconds<br>Oily odor in the area |
| 1300 | PID perimeter check<br>Weather readings |
| 1310 | IMPL (A) = 0.0 ppm<br>Strong oily odor sweaping to the east with wind gusts, but otherwise mild odor |
| 1320 | PID perimeter check = 0.0 ppm |
| 1400 | PID perimeter check<br>Weather readings |

| | |
|---|---|
| 1410 | IMPL (A) = 0.0 overall, but jumps to 0.1 ppm when trucks are being loaded with a strong odor<br>IMPL (L) = 0.1 ppm steady with a strong odor from excavation pit |
| 1420 | PID perimeter check = 0.0 ppm overall |
| 1500 | PID perimeter check<br>Weather readings<br>IMPL (A) PID = 0.0 ppm with odor<br>IMPL (L) PID = 0.1 ppm with odor |
| 1520 | PID perimeter check = 0.0 ppm overall |
| 1600 | PID perimeter check<br>Weather readings |
| 1615 | IMPL (A) = 0.0 ppm with odor<br>IMPL (L) = 0.0 ppm with odor |
| 1620 | PID perimeter check = 0.0 ppm overall. |
| 1700 | End of Day; all personnel offsite<br>Shipping Passive samples and Puff VOC (SKC pump) samples via FedEx |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 02/09/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 27 | 30.05 | X | | | | | | N | 92% | 11 | W | PC |
| 0800 | 27 | 30.07 | | | | | | X | N | 94% | 11 | W | Overcast |
| 0900 | 27 | 30.08 | | | | | | X | N | 92% | 11 | W | Overcast |
| 1000 | 28 | 30.07 | X | | | | | | N | 88% | 11 | W | Overcast |
| 1100 | 29 | 30.06 | X | | | | | | N | 84% | 12 | W | PC |
| 1200 | 31 | 30.04 | X | | | | | | N | 77% | 13 | W | Overcast |
| 1300 | 33 | 31.02 | X | | | | | | N | 74% | 14 | W | Overcast |
| 1400 | 33 | 30.01 | X | | | | | | N | 75% | 13 | W | Overcast |
| 1500 | 33 | 30.01 | X | | | | | | N | 75% | 12 | W | Overcast |
| 1600 | 33 | 29.99 | X | | | | | | N | 76% | 10 | SW | Overcast |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite H&S meeting |
| 0700 | Weather readings |
| 0730 | PID calibration: Passed (Zero/Span/Bump)<br>PID perimeter check |
| 0750 | PID perimeter check = 0.0 ppm<br>Northern excavation PID = 0.0 ppm with slight odor |
| 0757 | SAM 2 DustTrak (DT) = 2.93 adjusted to 2.99 LPM |
| 0759 | SAM 3 DT = 2.98 LPM |
| 0801 | SAM 1 DT = 2.99 LPM |
| 0803 | SAM 5 DT = 2.99 LPM |
| 0806 | SAM 4 DT = 2.96 adjusted to 3.00 LPM<br>Very light snow flakes |
| 0820 | PID perimeter check = 0.0 ppm<br>IMPL (L) PID = 0.0 ppm; slight oily odor. |
| 0900 | PID perimeter check<br>Weather readings: Very light snow flurries |
| 0910 | IMPL (A,B) = 0.1 ppm; with oily odor; occasional increase to 0.2 ppm when removing material<br>IMPL (C – E) = 0.1 ppm; exhaust from trucks lined up and running equipment |
| 0920 | PID perimeter check = 0.0 ppm overall. |
| 1000 | PID perimeter check<br>Weather readings |

| | |
|---|---|
| 1010 | IMPL (A&B) PID = 0.0 ppm; light oily odor |
| 1020 | PID perimeter check = 0.0 ppm overall |
| 1100 | PID perimeter check<br>Weather readings |
| 1115 | IMPL (A) No odor<br>IMPL (L) Light odor<br>IMPL (B – D) PID = 0.1 ppm; light oily odor<br>IMPL (F) PID = 0.0 ppm; light oily odor from trucks hauling out |
| 1120 | PID perimeter check = 0.0 ppm overall |
| 1200 | PID perimeter check<br>Weather readings<br>IMPL (L) = 0.1 ppm; oily odor |
| 1220 | PID perimeter check = 0.0 ppm |
| 1315 | PID perimeter check<br>Weather readings |
| 1320 | IMPL (A) = 0.0 ppm; Oily odor<br>When material is removed the oily odor is strong and PID jumps to 0.3 ppm and dissipates within 15 seconds<br>IMPL (C) = 0.0 ppm; dead fish odor |
| 1400 | PID perimeter check<br>Weather readings |
| 1410 | IMPL (L, A) = 0.1 ppm; oily odor<br>IMPL (D) = 0.0 ppm; light dead fish odor |
| 1420 | PID perimeter check = 0.0 ppm overall |
| 1500 | PID perimeter check<br>Weather readings |
| 1515 | IMPL (L) & (A) = 0.0 ppm; oily odor is very light |
| 1520 | PID perimeter check = 0.0 ppm |
| 1600 | PID perimeter check<br>Weather readings |
| 1620 | PID perimeter check = 0.0 ppm;<br>No odors |
| 1700 | End of Day; all personnel offsite |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 02/10/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 37 | 29.64 | | X | | | | | N | 97% | 17 | SW | Overcast |
| 0800 | 37 | 29.66 | | X | | | | | N | 100% | 16 | SW | Overcast |
| 0900 | 37 | 29.66 | | X | | | | | N | 100% | 16 | SW | Overcast |
| 1000 | 38 | 29.66 | | X | | | | | N | 100% | 16 | SW | Overcast |
| 1100 | 39 | 29.67 | | X | | | | | N | 100% | 15 | SW | Overcast |
| 1200 | 40 | 29.68 | | X | | | | | N | 100% | 14 | SW | Overcast |
| 1300 | 41 | 29.69 | X | | | | | | N | 100% | 14 | W | Overcast |
| 1400 | 42 | 29.70 | X | | | | | | N | 98% | 14 | W | S |
| 1500 | 43 | 29.73 | X | | | | | | N | 98% | 14 | SW | S |
| 1600 | 42 | 29.76 | X | | | | | | N | 94% | 13 | W | S |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite H&S meeting |
| 0700 | Weather readings |
| 0730 | PID calibration: Passed (Zero/Span/Bump)<br>PID perimeter check |
| 0738 | SAM 2 SKC VOC Removed |
| 0742 | SAM 3 SKC VOC Removed |
| 0744 | SAM 1 SKC VOC Removed |
| 0749 | SAM 5 SKC VOC Removed |
| 0752 | SAM 4 SKC VOC Removed<br>PID Perimeter check = 0.0 ppm |
| 0758 | SAM 2 DustTrak (DT) = 3.10 adjusted to 2.99 LPM |
| 0800 | SAM 3 DT = 3.06 adjusted to 3.00 LPM |
| 0802 | SAM 1 DT = 3.06 adjusted to 2.99 LPM |
| 0804 | SAM 5 DT = 3.05 adjusted to 3.01 LPM |
| 0809 | SAM 4 DT = 3.10 adjusted to 3.02 LPM |
| 0837 | PID Malfunctioning (SN: 592-908102) – may have gotten water from rain inside<br>PID Replacement (SN: 592-927132) charging |
| 0900 | Weather Readings<br>PID Charging |
| 0930 | PID Calibration: Passed |

| | |
|---|---|
| 0940 | PID perimeter check = 0.0 ppm<br>IMPL (L) = 0.0 ppm with slight odor |
| 1000 | PID perimeter check<br>Weather readings |
| 1020 | PID perimeter check = 0.0 ppm; no odor |
| 1100 | PID perimeter check<br>Weather |
| 1110 | PID perimeter check = 0.1 ppm overall<br>IMPL (A – C) = 0.1 ppm; Light oily odor<br>Remainder of locations = 0.1 ppm; Truck exhaust odor |
| 1200 | PID perimeter check<br>Weather readings |
| 1220 | PID = 0.0 ppm<br>IMPL (L) and (A) have oily odor |
| 1300 | PID perimeter check<br>Weather readings |
| 1320 | PID perimeter check = 0.0 ppm<br>IMPL (L) and (A) = 0.1 ppm; oily odor |
| 1400 | PID perimeter check<br>Weather readings |
| 1420 | PID perimeter check = 0.0 ppm |
| 1500 | PID perimeter check<br>Weather readings |
| 1520 | PID perimeter check = 0.0 ppm<br>IMPL (A) and (L) = 0.0 ppm; slight oily odor |
| 1600 | PID perimeter check = 0.0 ppm<br>Weather readings |
| 1620 | PID perimeter check = 0.0 ppm<br>IMPL (A, B, C) = 0.0 ppm; dead fish odor downwind of OSHA slope being dug out on eastern section. |
| 1700 | End of Day; all personnel offsite<br>All samples (Puff VOCs) stored in freezer for Shipment Monday (2/14/22) |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 02/11/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 10 | 30.32 | X | | | | | | N | 74% | 6 | S | S |
| 0800 | 13 | 30.34 | X | | | | | | N | 68% | 7 | S | S |
| 0900 | 16 | 30.35 | X | | | | | | N | 67% | 9 | S | S |
| 1000 | 18 | 30.35 | X | | | | | | N | 67% | 9 | S | S |
| 1100 | 20 | 30.35 | X | | | | | | N | 66% | 9 | S | S |
| 1200 | 24 | 30.33 | X | | | | | | N | 65% | 8 | S | S |
| 1300 | 27 | 30.32 | X | | | | | | N | 62% | 8 | S | S |
| 1400 | 29 | 30.32 | X | | | | | | N | 60% | 8 | S | S |
| 1500 | 30 | 30.32 | X | | | | | | N | 60% | 7 | S | S |
| 1600 | 30 | 30.32 | X | | | | | | N | 60% | 6 | S | S |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite H&S meeting |
| 0700 | Weather readings |
| 0730 | PID calibration: Passed (Zero/Span/Bump)<br>PID perimeter check |
| 0750 | SAM 4 battery swap; online |
| 0757 | SAM 5 battery swap; online |
| 0804 | SAM 2 battery swap; online |
| 0827 | SAM 4 offline |
| 0828 | SAM 2 DustTrak (DT) = 3.18 adjusted to 3.00 LPM |
| 0829 | SAM 2 SKC flow = 2.00 LPM |
| 0834 | SAM 2 SKC VOC installed |
| 0839 | SAM 3 DT = 2.94 adjusted to 3.01 LPM |
| 0841 | SAM 3 SKC flow = 1.99 LPM |
| 0842 | SAM 2 offline |
| 0843 | SAM 3 SKC VOC installed |
| 0845 | SAM 1 DT = 2.96 adjusted to 2.98 LPM |
| 0847 | SAM 1 SKC flow = 1.92 adjusted to 2.00 LPM |
| 0849 | SAM 1 SKC VOC installed |

| | |
|---|---|
| 0855 | SAM 5 DT = 2.84 adjusted to 2.99 LPM |
| 0858 | SAM 5 SKC flow = 1.96 adjusted to 2.00 LPM |
| 0859 | SAM 5 SKC VOC installed |
| 0905 | SAM 4 online |
| 0905 | SAM 4 DT = 2.92 adjusted to 2.98 LPM |
| 0906 | SAM 4 SKC flow = 1.99 LPM |
| 0908 | SAM 4 SKC VOC installed |
| 0940 | SAM 2 online; appears a fault was triggered |
| 0957 | SAM 2 power cord swapped out; DustTrak hardwired into battery to bypass the DC converter |
| 1010 | SAM 4 power cord swapped out; DustTrak hardwired into battery to bypass the DC converter |
| 1015 | SAM 5 power cord swapped out; DustTrak hardwired into battery to bypass the DC converter |
| 1020 | PID = 0.0 ppm from 0730 to 1020<br>Only mild exhaust odor from trucks lined up |
| 1100 | PID perimeter check<br>Weather readings |
| 1120 | PID perimeter check = 0.0 ppm; no odor<br>Groundwater frac-tanks being placed next to SAM 1 and SAM 3 station in SE corner of site |
| 1200 | PID perimeter check<br>Weather readings |
| 1220 | PID perimeter check = 0.0 ppm; no odor |
| 1300 | PID perimeter check<br>Weather readings |
| 1320 | PID perimeter check = 0.0 ppm; no odor |
| 1400 | PID perimeter check<br>Weather readings |
| 1420 | PID perimeter check = 0.0 ppm; no odor |
| 1500 | PID perimeter check<br>Weather readings |
| 1520 | PID perimeter check = 0.0 ppm; no odor |
| 1600 | PID perimeter check<br>Weather readings |
| 1620 | PID perimeter check = 0.0 ppm; no odor |
| 1700 | End of Day<br>Shipping Puff samples to via FedEx |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 02/14/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 16 | 30.42 | X | | | | | | N | 78% | 7 | E | S |
| 0800 | 20 | 30.42 | X | | | | | | N | 78% | 8 | E | S |
| 0900 | 22 | 30.42 | X | | | | | | N | 78% | 10 | E | S |
| 1000 | 26 | 30.40 | X | | | | | | N | 77% | 11 | SE | S |
| 1100 | 30 | 30.40 | X | | | | | | Y | 73% | 11 | SE | S |
| 1200 | 34 | 30.36 | X | | | | | | N | 70% | 12 | SE | S |
| 1300 | 37 | 30.33 | X | | | | | | N | 68% | 11 | SE | S |
| 1400 | 39 | 30.30 | X | | | | | | Y | 67% | 12 | SE | S |
| 1500 | 40 | 30.24 | X | | | | | | N | 66% | 13 | SE | S |
| 1600 | 40 | 30.24 | X | | | | | | N | 67% | 13 | SE | S |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite H&S meeting |
| 0700 | Weather readings |
| 0730 | PID calibration: Passed (Zero/Span/Bump)<br>GC Drager unit calibration: Passed<br>PID perimeter check |
| 0739 | SAM 2 DustTrak (DT) = 2.93 adjusted to 3.00 LPM |
| 0742 | SAM 3 DT = 3.15 adjusted to 3.00 LPM |
| 0744 | SAM 1 DT = 3.12 adjusted to 2.99 LPM |
| 0748 | SAM 5 DT = 3.12 adjusted to 2.99 LPM |
| 0751 | SAM 4 DT = 3.00 LPM; no adjustment necessary |
| 0752 | PID perimeter check = 0.0 ppm overall; slight exhaust odor from trucks on eastern half of excavation<br>SAM 4 = 0.1 ppm; Truck exhaust odor |
| 0800 | PID perimeter check<br>Weather readings |
| 0820 | PID perimeter check = 0.0 ppm |
| 0900 | PID perimeter check<br>Weather readings |
| 0910 | PID perimeter check = 0.0 ppm<br>SAM 4, IMPL (K and L) = 0.0 ppm; slight oily odor |
| 1000 | PID perimeter check |

| | |
|---|---|
| | Weather readings |
| 1115 | PID perimeter check = 0.0 ppm<br>Visible dust leaving offsite to the NW from northern excavation zone due to calcimite being dumped into the hole for water control.<br>No apparent odors<br>Jason Maska (ERM) onsite |
| 1135 | SAM 1 DT = 2.88 adjusted to 2.98 LPM |
| 1142 | SAM 3 DT = 2.84 adjusted to 2.99 LPM |
| 1153 | SAM 5 DT = 3.08 adjusted to 3.01 LPM |
| 1159 | SAM 4 DT = 3.00 LPM |
| 1207 | SAM 2 DT = 3.03 LPM; high fluctuation |
| 1220 | GC Drager calibration:<br>Isobutylene = 9.67/10 = 4.7% error<br>Toluene = 9.47/10 = 6.7% error |
| 1230 | GC Recalibration:<br>Isobutylene = 9.97/10 = 1.3% error: Passed<br>Toluene = 10.1/10 = 1% error: Passed |
| 1240 | PID perimeter check with PID held by Josh (ERM)<br>PID perimeter check with GC Drager held by Jason (ERM) |
| 1325 | PID perimeter check = 0.0 ppm overall<br>IMPL (K) = 0.1 ppm; oily odor<br>SAM 4 = 0.1 hits lasting for about 5 seconds or less |
| 1351 | PID perimeter check<br>Weather reading<br>SAM 2 DT = 2.99 LPM |
| 1432 | PID perimeter check = 0.0 ppm<br>IMPL (K) = 0.1 ppm; oily odor |
| 1527 | PID perimeter check<br>Weather readings<br>Jason Maska (ERM) offsite |
| 1550 | PID perimeter check = 0.0 ppm overall<br>IMPL (K) = 0.2 ppm; oily odor – due to excavated material temporarily piled on surface within excavation zone. |
| 1600 | PID perimeter check<br>Weather readings |
| 1620 | PID perimeter check = 0.0 ppm overall<br>IMPL (K) = 0.1 ppm; oily odor |
| 1700 | End of Day; all personnel offsite |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 02/15/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 41 | 29.98 | X | | | | | | N | 77% | 20 | S | S |
| 0800 | 42 | 29.99 | X | | | | | | Y | 77% | 20 | S | PC |
| 0900 | 45 | 29.99 | X | | | | | | Y | 78% | 22 | S | S |
| 1000 | 50 | 29.98 | X | | | | | | N | 77% | 23 | S | PC |
| 1100 | 51 | 29.95 | X | | | | | | N | 77% | 23 | S | Overcast |
| 1200 | 53 | 29.93 | X | | | | | | N | 77% | 23 | S | Overcast |
| 1300 | 54 | 29.91 | X | | | | | | N | 77% | 23 | S | Overcast |
| 1400 | 54 | 29.89 | X | | | | | | N | 82% | 22 | S | Overcast |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite H&S meeting |
| 0700 | Weather readings |
| 0730 | PID calibration: Passed<br>PID perimeter check |
| 0757 | SAM 2 DustTrak (DT) = 3.00 LPM |
| 0800 | SAM 2 VOC Removed |
| 0802 | SAM 2 SKC flow = 1.93 adjusted to 1.98 LPM |
| 0805 | SAM 3 DT = 3.00 LPM |
| 0807 | SAM 3 VOC Removed |
| 0808 | SAM 3 SKC flow = 2.01 LPM |
| 0811 | SAM 1 DT = 2.99 LPM |
| 0813 | SAM 1 VOC Removed |
| 0816 | SAM 1 SKC = 2.03 adjusted to 1.99 LPM |
| 0819 | SAM 5 DT = 3.00 LPM |
| 0822 | SAM 5 VOC Removed |
| 0824 | SAM 5 SKC flow = 2.05 adjusted to 2.01 LPM |
| 0828 | SAM 4 DT = 3.02 LPM |
| 0830 | SAM 4 VOC Removed |
| 0831 | SAM 4 SKC flow = 2.02 LPM |

| | |
|---|---|
| 0840 | SAM 4 VOC Installed |
| 0844 | SAM 5 VOC Installed |
| 0848 | SAM 3 VOC Installed |
| 0851 | SAM 1 VOC Installed |
| 0852 | SAM 6 Field Blank (install time) |
| 0856 | SAM 2 VOC Installed |
| 0900 | PID perimeter check = 0.0 ppm; no odors<br>O6 moving Calcimite pile further south as excavation continues; dust blowing to the north offsite dissipating approximately as it moves over the Railroad tracks to the north-northwest of site |
| 0930 | Finished storing coolers in 508 Church St. house |
| 0935 | PID perimeter check |
| 0950 | PID perimeter check = 0.0 ppm<br>IMPL (A) = 0.1 ppm; slight exhaust odor mixed with slight oil odor likely from trucks hauling material from the southern gate<br>IMPL (L) = 0.1 ppm; slight exhaust odor mixed with oil odor from excavation site |
| 1000 | PID perimeter check<br>Weather readings |
| 1025 | PID perimeter check = 0.1 ppm overall<br>IMPL (A – G) = 0.1 ppm; exhaust odor from trucks lined up<br>IMPL (K and L) = 0.1 ppm; truck exhaust odor mixed with some oily odor |
| 1100 | PID perimeter check<br>Weather readings |
| 1120 | PID perimeter check = 0.1 ppm overall<br>IMPL (A, B, L) = 0.1 ppm; light oily odor mixed with some truck exhaust<br>IMPL (C – K) = 0.1 ppm; light truck exhaust odor |
| 1200 | PID perimeter check<br>Weather readings |
| 1220 | PID perimeter check = 0.0 ppm; no odor present<br>SAM 4 DustTrak K-factor input: 0.089 adjusted to 0.694 |
| 1226 | SAM 5 DustTrak K-factor input: 0.432 adjusted to 0.334 |
| 1230 | SAM 3 DustTrak K-factor input: 0.359 adjusted to 0.801 |
| 1232 | SAM 1 DustTrak K-factor input: 0.543 adjusted to 0.353 |
| 1235 | SAM 2 DustTrak K-factor input: 0.150 adjusted to 0.357 |
| 1300 | PID perimeter check<br>Weather readings |
| 1320 | PID perimeter check = 0.0 ppm<br>IMPL (L) = 0.0 ppm; light oily odor<br>IMPL (B) = 0.0 ppm; dead fish odor |
| 1400 | PID perimeter check<br>Weather readings |
| 1420 | PID perimeter check = 0.0 ppm<br>IMPL (L) = 0.0 ppm; oily odor<br>IMPL (K) = 0.0 ppm; light oily odor |
| 1500 | PID perimeter check<br>Weather readings |
| 1520 | PID perimeter check = 0.0 ppm overall<br>IMPL (L) = 0.1 ppm; oily odor<br>IMPL (K) = 0.0 ppm; slight oily odor |
| 1600 | PID perimeter check<br>Weather readings |
| 1620 | PID perimeter check = 0.0 ppm<br>IMPL (L) = 0.1 ppm; oily odor<br>IMPL (K) = 0.1 ppm; oily odor |

| | |
|---|---|
| 1700 | End of Day<br>Shipping Puff samples via FedEx |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 02/16/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 36 | 29.89 | | | X | | | | N | 82% | 17 | N | Overcast |
| 0800 | 34 | 29.90 | X | | | | | | N | 82% | 18 | N | Overcast |
| 0900 | 33 | 29.91 | | X | | | | | N | 81% | 19 | N | Overcast |
| 1000 | 32 | 29.89 | X | | | | | | N | 81% | 20 | NE | Overcast |
| 1100 | 31 | 29.84 | | X | | | | | N | 82% | 20 | NE | Overcast |
| 1200 | 31 | 29.80 | | X | | | X | X | N | 83% | 21 | N | Overcast |
| 1300 | 30 | 29.78 | | | | | | X | N | 83% | 22 | N | Overcast |
| 1400 | 28 | 29.78 | | | | | | X | | 81% | 23 | N | Overcast |
| 1500 | 27 | 29.78 | | | | | | X | | 79% | 24 | N | Overcast |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | ERM onsite |
| 0700 | Weather readings |
| 0730 | PID calibration: Passed |
| 0738 | SAM 2 DustTrak (DT) = 3.10 adjusted to 3.00 LPM |
| 0741 | SAM 4 DT = 3.15 adjusted to 3.00 LPM |
| 0744 | SAM 5 DT = 3.09 adjusted to 3.02 LPM |
| 0755 | Josh (ERM) offsited for power cord |
| 0825 | Josh (ERM) onsite with power cord |
| 0909 | SAM 1 DT = 2.98 LPM |
| 0910 | SAM 3 DT = 3.05 adjusted to 3.01 LPM |
| 0914 | MET Tower restored |
| 1000 | PID perimeter check<br>Weather readings |
| 1020 | PID perimeter check = 0.0 ppm; no odors |
| 1100 | PID perimeter check<br>Weather readings |
| 1120 | PID perimeter check = 0.0 ppm; no odors |
| 1200 | PID perimeter check<br>Weather readings |

| | |
|---|---|
| 1220 | PID perimeter check = 0.0 ppm; no odors |
| 1300 | PID perimeter check<br>Weather readings |
| 1320 | PID perimeter check = 0.0 ppm; no odors |
| 1346 | Sampled wastewater from Frac-tank 257732 (FT257732 – WW – 20220217) |
| 1415 | Sampled wastewater from Frac-tank 258625 (FT258625 – WW – 20220217) |
| 1430 | PID perimeter check<br>Weather readings |
| 1450 | PID perimeter check = 0.0 ppm; no odors |
| 1500 | PID perimeter check<br>Weather readings |
| 1520 | PID perimeter check = 0.0 ppm; no odors |
| 1600 | End of Day; wastewater samples on ice. |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 02/17/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 0800 | 8 | 30.033 | X | | | | | | N | 78% | 7 | SW | S |
| 0900 | 9 | 30.33 | X | | | | | | N | 76% | 7 | W | S |
| 1000 | 14 | 30.32 | X | | | | | | N | 68% | 9 | SW | S |
| 1100 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1200 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1300 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1400 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1500 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1600 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | ERM onsite |
| 0638 | SAM 2 VOC Removed |
| 0640 | SAM 2 battery swapped |
| 0642 | SAM 2 SKC flow = 2.09 LPM |
| 0646 | SAM 2 DustTrak (DT) = 3.05 adjusted to 3.00 LPM |
| 0654 | SAM 4 DT = 2.84 adjusted to 3.00 LPM |
| 0657 | SAM 4 VOC Removed |
| 0658 | SAM 4 SKC flow = 2.15 LPM |
| 0702 | SAM 4 battery swapped |
| 0713 | SAM 5 DT = 2.84 adjusted to 3.00 LPM |
| 0715 | SAM 5 VOC Removed |
| 0716 | SAM 5 SKC flow = 2.13 LPM |
| 0720 | SAM 5 battery swapped |
| 0727 | SAM 3 DT = 3.05 adjusted to 2.99 LPM |
| 0728 | SAM 3 VOC Removed |
| 0729 | SAM 3 SKC flow = 1.89 LPM |
| 0731 | SAM 1 DT = 2.99 LPM |

| | |
|---|---|
| 0733 | SAM 1 VOC Removed |
| 0734 | SAM 1 SKC flow = 2.85 LPM |
| 0740 | SAM 6 VOC Removed (Field Blank Removal Time) |
| 0800 | Weather readings |
| 0900 | Weather readings |
| 1000 | Weather readings |
| 1100 | End of Day; ERM offsite |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 02/18/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (mBar) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 37 | 988.8 | X | | | | | | N | 84% | 2 | S | S |
| 0800 | 38 | 989.2 | X | | | | | | N | 88% | 9 | S | S |
| 0900 | 45 | 988.9 | X | | | | | | N | 73% | 5 | S | S |
| 1000 | 48 | 988.7 | X | | | | | | N | 70% | 4 | S | S |
| 1100 | 51 | 988.1 | X | | | | | | N | 70% | 7 | S | S |
| 1200 | 53 | 987.3 | X | | | | | | N | 69% | 2 | S | S |
| 1300 | 57 | 986.0 | X | | | | | | N | 67% | 5 | SW | S |
| 1400 | 55 | 985.6 | X | | | | | | N | 71% | 5 | SE | S |
| 1500 | 56 | 984.5 | X | | | | | | N | 75% | 6 | SE | PC |
| 1600 | 55 | 983.8 | X | | | | | | N | 79% | 5 | SE | PC |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite H&S meeting |
| 0700 | Weather readings |
| 0741 | SAM 2 DustTrak (DT) = 2.95 adjusted to 3.01 LPM |
| 0744 | SAM 2 SKC flow = 2.02 adjusted to 2.00 LPM |
| 0745 | SAM 2 VOC installed |
| 0748 | SAM 3 DT = 3.01 LPM |
| 0749 | SAM 3 SKC flow = 2.04 adjusted LPM |
| 0751 | SAM 3 VOC installed |
| 0753 | SAM 1 DT = 3.00 LPM |
| 0754 | SAM 1 SKC flow = 2.01 LPM |
| 0755 | SAM 1 VOC installed |
| 0759 | SAM 5 DT = 3.10 adjusted to 3.00 LPM |
| 0807 | SAM 5 SKC flow = pump inactive |
| 0812 | SAM 4 DT = 3.09 adjusted to 3.00 LPM |
| 0813 | SAM 4 SKC flow = 2.04 adjusted to 2.00 LPM |
| 0815 | SAM 4 VOC installed |
| 0841 | SAM 5 SKC online; flow = 2.03 adjusted to 2.01 LPM |

| | |
|---|---|
| 0848 | SAM 5 VOC installed |
| 0855 | IMPL (L) = 0.0 ppm; oily odor<br>IMPL (J) = 0.0 ppm; oily/exhaust odor |
| 0900 | PID perimeter check = 0.0 ppm<br>SAM 6 field blank PUFF VOC installation time created |
| 0930 | PID perimeter check<br>Weather readings |
| 0950 | IMPL (L) = 0.0 ppm; oily odor<br>IMPL (A – B) = 0.0 ppm; dead fish odor<br>IMPL (E) = 0.1 ppm hit less than 15 seconds; exhaust odor<br>IMPL (K) = 0.1 ppm; oily odor intermixed with some exhaust<br>PID perimeter check = 0.0 ppm overall |
| 1010 | PID perimeter check<br>Weather readings |
| 1020 | PID perimeter check = 0.0 ppm<br>IMPL (A – B) = 0.0 ppm; dead fish odor<br>IMPL (K) = 0.1 ppm; oily/exhaust odor; brief jump to 0.3 ppm <15 seconds due to truck, generator exhaust and excavated material<br>IMPL (L) = 0.0 ppm; oily odor |
| 1100 | PID perimeter check<br>Weather readings |
| 1120 | PID perimeter check = 0.0 ppm overall<br>IMPL (K) = 0.1; oily odor |
| 1125 | Josh (ERM) checking Ameren Homes |
| 1145 | Josh (ERM) checked Ameren Homes; all clear, no leaks |
| 1150 | PID perimeter check<br>Weather readings<br>Bret (ERM) offsite to get lunch for site |
| 1207 | PID perimeter check = 0.0 ppm<br>IMPL (E) = 0.1 ppm; exhaust odor<br>IMPL (F) = 0.1 ppm; exhaust odor<br>IMPL (K) = 0.0 ppm; oily exhaust odor. PID = 0.1 ppm when loading out material.<br>IMPL (L) = 0.0 ppm; slight oily odor |
| 1218 | Bret (ERM) onsite with lunch |
| 1255 | PID perimeter check<br>Weather readings |
| 1300 | SAM 4 = 0.0 ppm; oily odor<br>IMPL (K) = 0.1 ppm; heavy exhaust odor with light oily odor<br>IMPL (L) = 0.1 ppm; oily odor. Exhaust odor from trucks increase PID reading to 0.2 ppm for less than 5 seconds. |
| 1320 | PID perimeter check = 0.0 ppm overall. |
| 1400 | PID perimeter check<br>Weather readings |
| 1420 | PID perimeter check = 0.0 ppm overall<br>IMPL (K) = 0.1 ppm; oily odor<br>IMPL (L) = 0.1 ppm; oily/heavy exhaust odor |
| 1500 | PID perimeter check<br>Weather readings |
| 1515 | PID perimeter check = 0.0 ppm overall<br>IMPL (K) = 0.1 ppm; medium to strong oily odor; occasional rise to 0.2 – 0.3 ppm for less than 5 seconds during strong wind.<br>IMPL (L) = 0.0 ppm; light oily odor |
| 1550 | PID perimeter check<br>Weather readings |
| 1610 | PID perimeter check = 0.0 ppm overall<br>IMPL (K) = 0.1 ppm with occasional jump to 0.2 ppm dissipating within 5 seconds to 0.1 ppm; strong oily odor |

| | |
|---|---|
| 1700 | End of Day; all personnel offsite<br>Shipping Puff VOC samples from Friday (2/18/2022) via FedEx |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 02/21/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (mBar) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 55 | 981.4 | | X | | | | | N | 100% | 5 | SE | Overcast |
| 0800 | 54 | 978.9 | X | | | | | | N | 100% | 4 | SE | Overcast |
| 0900 | 54 | 977.8 | X | | | | | | N | 100% | 7 | SE | Overcast |
| 1000 | 54 | 979.4 | | | X | | | | N | 100% | 6 | S | Overcast |
| 1100 | 55 | 979.3 | | | X | | | | N | 100% | 4 | E | Overcast |
| 1200 | 56 | 979.2 | X | | | | | | N | 96% | 6 | SE | Overcast |
| 1300 | 57 | 979.0 | | | X | | | | N | 97% | 4 | SW | Overcast |
| 1400 | 47 | 981.6 | | | X | | | | N | 95% | 10 | W | Overcast |
| 1500 | 38 | 984.5 | X | | | | | | N | 92% | 12 | W | Overcast |
| 1600 | 35 | 985.9 | X | | | | | | N | 95% | 8 | NW | Overcast |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite H&S meeting |
| 0700 | Weather readings |
| 0730 | PID calibration: Passed |
| 0738 | SAM 2 (DustTrak) DT = 2.90 adjusted to 3.00 LPM |
| 0740 | SAM 3 DT = 2.98 LPM |
| 0743 | SAM 1 DT = 2.97 adjusted to 3.00 LPM |
| 0745 | SAM 5 DT = 3.00 LPM |
| 0749 | SAM 4 DT = 3.02 LPM |
| 0750 | PID perimeter check = 0.0 ppm<br>IMPL (H) = 0.0 ppm; light oily exhaust odor due to shipping material and trucks |
| 0800 | PID perimeter check<br>Weather readings |
| 0820 | PID perimeter check = 0.0 ppm<br>IMPL (E) = 0.0 ppm; sweet pungent odor?<br>IMPL (H – I) = 0.1 ppm for <5 seconds; slight oily odor during removal of materials |
| 0900 | PID perimeter check<br>Weather readings |
| 0920 | PID perimeter check = 0.0 ppm overall<br>IMPL (K) = 0.1 ppm; oily odor<br>SAM 4 = 0.1 ppm; oily odor |

| | |
|---|---|
| 1000 | PID perimeter check<br>Weather readings |
| 1020 | PID perimeter check = 0.0 ppm overall<br>IMPL (J) = 0.0 ppm; sweet odor like oatmeal cookies<br>IMPL (K) = 0.1 ppm; Oily odor<br>IMPL (L) = 0.0 ppm; light oily odor |
| 1100 | PID perimeter check<br>Weather readings |
| 1120 | PID perimeter check = 0.0 ppm<br>IMPL (J) = 0.0 ppm; occasional jump to 0.2 ppm when loading out material dissipating to 0.1 ppm within 15 seconds; oily odor<br>IMPL (K) = 0.1 ppm; Light oily odor |
| 1200 | PID perimeter check<br>Weather readings |
| 1220 | PID perimeter check = 0.0 ppm<br>IMPL (K) = 0.1 ppm; oily odor<br>IMPL (L) = 0.1 ppm; oily odor |
| 1300 | PID perimeter check<br>Weather readings |
| 1320 | PID perimeter check = 0.0 ppm<br>IMPL (K) = 0.0 ppm; light oily odor<br>IMPL (L) = 0.0 ppm; light oily odor |
| 1400 | PID perimeter check<br>Weather readings |
| 1420 | PID perimeter check = 0.0 ppm<br>IMPL (A – E) = 0.0 ppm; oily odor<br>IMPL (J) = 0.0 ppm; oily odor<br>SAM 2 = 0.0 ppm; oily odor |
| 1500 | PID perimeter check<br>Weather readings |
| 1520 | PID perimeter check = 0.0 ppm<br>IMPL (A – E) = 0.0 ppm; oily odor |
| 1600 | PID perimeter check<br>Weather readings |
| 1620 | PID perimeter check = 0.0 ppm overall<br>IMPL (A – C) = 0.0 ppm; light oily odor<br>IMPL (D – F) = 0.1 ppm; oily odor |
| 1700 | End of Day; all personnel offsite |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 02/22/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (mBar) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 18 | 1003.5 | | | | | | X | N | 84% | 4 | NW | Overcast |
| 0800 | 18 | 1004.3 | | | | | | X | N | 79% | 7 | NW | Overcast |
| 0900 | 18 | 1005.4 | | | | | | X | N | 83% | 8 | NW | Overcast |
| 1000 | 19 | 1004.9 | | | | | | X | N | 77% | 4 | NW | Overcast |
| 1100 | 20 | 1005.4 | | | | | | X | N | 77% | 4 | NW | Overcast |
| 1200 | 20 | 1006.4 | | | | | | X | N | 76% | 4 | NW | Overcast |
| 1300 | 23 | 1004.0 | | | | | | X | N | 74% | 3 | N | Overcast |
| 1400 | 23 | 1004.7 | | | | | | X | N | 72% | 7 | N | Overcast |
| 1500 | 23 | 1004.1 | X | | | | | | N | 71% | 4 | N | Overcast |
| 1600 | 23 | 1003.5 | X | | | | | | N | 72% | 5 | N | Overcast |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite H&S meeting |
| 0700 | Weather readings |
| 0742 | PID calibration: Passed |
| 0745 | SAM 2 DustTrak (DT) = 3.24 adjusted to 3.02 LPM |
| 0747 | SAM 2 VOC Removed |
| 0748 | SAM 2 SKC flow = 1.97 adjusted to 2.01 LPM |
| 0751 | SAM 3 DT = 3.05 adjusted to 3.02 LPM |
| 0753 | SAM 3 VOC Removed |
| 0754 | SAM 3 SKC flow = 1.96 adjusted to 2.01 LPM |
| 0757 | SAM 1 DT = 3.05 adjusted to 3.02 LPM |
| 0759 | SAM 1 VOC Removed |
| 0802 | SAM 1 SKC flow = 1.94 adjusted to 2.01 LPM |
| 0805 | SAM 5 DT = 2.88 adjusted to 3.01 LPM |
| 0807 | SAM 5 VOC Removed |
| 0809 | SAM 5 SKC flow = 1.95 adjusted to 2.01 LPM |
| 0812 | SAM 4 DT = =2.88 adjusted to 3.02 LPM |
| 0814 | SAM 4 VOC Removed |

| | |
|---|---|
| 0815 | SAM 6 Removal time for the Field Blank created |
| 0816 | SAM 4 SKC flow = 1.88 adjusted to 2.00 LPM |
| 0846 | SAM 2 VOC installed |
| 0847 | SAM 2 Passive removed |
| 0856 | SAM 3 Passive removed |
| 0857 | SAM 1 Passive Removed |
| 0858 | SAM 3 VOC installed |
| 0900 | SAM 1 VOC installed |
| 0905 | SAM 5 VOC installed |
| 0906 | SAM Passive Removed |
| 0911 | SAM 4 VOC installed |
| 0916 | SAM 4 Passive Removed |
| 0927 | SAM 1 – 6 passive samples stored in freezer |
| 0933 | SAM 2 Passive installed; ID: 1150254 |
| 0937 | SAM 3 Passive installed; ID: 1167074 |
| 0940 | SAM 1 Passive installed; ID: 1141603 |
| 0944 | SAM 5 Passive installed; ID: 1167619 |
| 0947 | SAM 4 Passive installed; ID: 1167529 |
| 0950 | PID perimeter check = 0.0 ppm overall<br>IMPL (D – H) = 0.1 ppm; exhaust odor<br>SAM 1 and 3 = 0.1 ppm; exhaust odor |
| 1020 | PID perimeter check<br>Weather readings |
| 1040 | PID perimeter check = 0.1 ppm overall; mostly exhaust from trucks lined up on site for material shipment. Some light oily odors<br>IMPL (C – K) = 0.1 ppm; heavy exhaust odor with some light oily odor |
| 1100 | PID perimeter check<br>Weather readings |
| 1120 | PID perimeter check = 0.1 ppm overall; oily odor along southeastern section of site with heavy exhaust odor<br>IMPl (C – H) = 0.1 ppm; exhaust odor with light oily odor with material loadouts |
| 1210 | PID perimeter check<br>Weather readings |
| 1230 | PID perimeter check = 0.1 ppm overall<br>IMPL (F) = 0.2 ppm; Heavy truck exhaust odor from trucks lined up for material loadout<br>IPL (B – E and G – J) = 0.1 ppm; truck exhaust odor |
| 1300 | PID perimeter check<br>Weather readins |
| 1320 | PID perimeter check = 0.1 ppm; exhaust odor throughout site from trucks lined up. Light oily odor on southern end of site.<br>IMPL (C – J) = 0.1 ppm; light oily odor/heavy exhaust odor |
| 1400 | PID perimeter check<br>Weather readings |
| 1420 | PID perimeter check = 0.1 ppm overall; oily/exhaust odor<br>IMPL (B – E) = 0.1 ppm; exhaust<br>IMPL (F – G) = 0.1 ppm; oily odor<br>IMPL (H – K) = 0.1 ppm; no odor<br>SAM 5 = 0.1 ppm; oily odor |
| 1500 | PID perimeter check<br>Weather readings |
| 1520 | PID perimeter check = 0.0 ppm overall; no major odors<br>SAM 5 = 0.0 ppm; light oily odor<br>Truck exhaust odor has dissipated |

| | |
|---|---|
| 1600 | PID perimeter check<br>Weather readings |
| 1620 | PID perimeter check = 0.0 ppm overall<br>IMPL (F – K) = 0.1 ppm; oily odor<br>NOTE: IMPL (K) has strong oily odor<br>SAM 5 = 0.1 ppm; oily odor |
| 1630 | Battery swapped for SAM 2, 4 and 5. |
| 1700 | END of Day<br>Shipping samples: Puff VOC/Passive samples |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 02/23/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (mBar) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 24 | 999.3 | X | | | | | | N | 89% | 4 | N | Overcast |
| 0800 | 25 | 999.4 | X | | | | | | N | 86% | 6 | NE | Overcast |
| 0900 | 26 | 999.1 | X | | | | | | N | 86% | 9 | NE | Overcast |
| 1000 | 27 | 999.5 | | | x | | | | N | 85% | 5 | E | Overcast |
| 1100 | 27 | 998.7 | | | X | | | | N | 91% | 4 | N | Overcast |
| 1200 | 28 | 995.0 | X | | | | | | N | 90% | 12 | E | Overcast |
| 1300 | 28 | 995.3 | | | | | X | X | N | 90% | 4 | E | Overcast |
| 1400 | 28 | 996.1 | | | | | X | X | N | 94% | 2 | E | Overcast |
| 1500 | 27 | 994.6 | | | | | | X | N | 98% | 5 | N | Overcast |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite H&S meeting |
| 0700 | Weather readings |
| 0730 | PID calibration: Passed |
| 0740 | SAM 2 DustTrak (DT) = 2.90 adjusted to 3.00 LPM |
| 0745 | SAM 3 DT = 3.00 LPM |
| 0746 | SAM 1 DT = 3.02 LPM |
| 0747 | SAM 5 DT = 3.00 LPM |
| 0751 | SAM 4 DT = 2.98 LPM<br>PID perimeter check = 0.1 ppm overall; heavy exhaust odor in southeastern section of site/heavy oil odor in the west and southwestern section of site<br>IMPL (F – K) = 0.1 ppm; heavy exhaust/strong oily odor. Occasional jump to 0.2 and 0.3 ppm when shipping material from excavation that dissipates to 0.1 ppm within 15 seconds. |
| 0810 | PID perimeter check<br>Weather readings |
| 0830 | PID perimeter check = 0.1 ppm overall; eastern half of site is free of odor and readings. Western half of site has an oily odor with some exhaust and higher readings from 0.1 to 0.3 ppm depending on downwind of excavation and freshly excavated material. Steady reading of 0.1 ppm along western half of site.<br>IMPL (F – G) = 0.1 ppm; oily/exhaust odor<br>IMPL (H) = 0.1 ppm steady with occasional jump to 0.2 ppm dissipating within 30 seconds to 0.1 ppm<br>IMPL (I) = 0.1 ppm steady with occasional jump to 0.3 ppm dissipating within 30 seconds to 0.1 ppm |
| 0900 | PID perimeter check<br>Weather readings |

| | |
|---|---|
| 0920 | PID perimeter check = 0.0 ppm overall<br>IMPL (G – J) = 0.1 ppm; oily odor<br>SAM 5 = 0.1 ppm; oily odor |
| 1000 | PID perimeter check<br>Weather readings |
| 1020 | PID perimeter check = 0.0 ppm<br>IMPL (G – J) = 0.1 ppm; heavy oily odor<br>SAM 5 = 0.1 ppm; light oily odor |
| 1100 | PID perimeter check<br>Weather readings |
| 1120 | PID perimeter check = 0.0 ppm overall<br>IMPL (G – K) = 0.1 ppm; oily odor<br>SAM 4 = 0.1 ppm; oily odor |
| 1200 | PID perimeter check<br>Weather readings |
| 1220 | PID perimeter check = 0.0 ppm overall<br>IMPL (F – K) = 0.1 ppm; oily odor<br>SAM 5 = 0.1 ppm; oily odor<br>SAM 4 = 0.1 ppm; oily odor |
| 1245 | Sampled filtered frac-tank wastewater (254385)<br>Sample Label ID's: FT254385 – WW – 20220224<br>Hail began to fall after wastewater collection |
| 1300 | PID perimeter check<br>Weather readings |
| 1320 | PID perimeter check = 0.0 ppm overall<br>IMPL (J) = 0.1 with occasional jump to 0.4 ppm before dissipating to 0.1 ppm within 30 seconds; heavy oil odor<br>IMPL (I) = 0.2 ppm; strong oily odor<br>IMPL (K) = 0.1 ppm; light oily odor<br>SAM 4 = 0.1 ppm; light oily odor |
| 1400 | PID perimeter check<br>Weather readings |
| 1420 | PID perimeter check = 0.0 ppm overall<br>IMPL (G – K) = 0.1 ppm; light oily odor<br>SAM 4 = 0.1 ppm; light oily odor |
| 1500 | PID perimeter check<br>Weather readings |
| 1520 | PID perimeter check = 0.0 ppm overall<br>IMPL (G –H) = 0.1 ppm; light oily odor |
| 1600 | END of Day; no further activities onsite due to weather |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 02/24/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 21 | 30.34 | X | | | | | | N | 94% | 11 | NW | Overcast |
| 0800 | 22 | 30.40 | X | | | | | | N | 87% | 13 | NW | Overcast |
| 0900 | 22 | 30.41 | X | | | | | | N | 87% | 13 | NW | Overcast |
| 1000 | 25 | 30.45 | X | | | | | | N | 88% | 12 | NW | PC |
| 1100 | 26 | 30.46 | X | | | | | | N | 87% | 11 | NW | PC |
| 1200 | 27 | 30.47 | X | | | | | | N | 83% | 11 | NW | PC |
| 1300 | 27 | 30.47 | X | | | | | | N | 82% | 10 | NW | PC |
| 1400 | 27 | 30.47 | X | | | | | | N | 77% | 10 | NW | PC |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite H&S meeting |
| 0700 | Weather readings |
| 0715 | Very strong oily odor from load outs; dissipated quickly<br>PID calibrated: Passed |
| 0735 | PID perimeter check = 0.0 ppm overall<br>IMPL (B – C) = 0.1 ppm; strong oily odor<br>IMPL (E) = 0.0 ppm; very strong oily odor from load outs<br>Very dark colored material with a slight sheen being excavated and loaded out producing the strong odor. |
| 0800 | PID perimeter check<br>Weather readings |
| 0820 | PID = 0.0 ppm overall<br>IMPL (B – E) = 0.1 ppm; medium oily odor |
| 0845 | IMPL (E) = 0.1 – 0.3 ppm; strong oily odor when excavating material in prepping for shipment. |
| 0900 | PID perimeter check<br>Weather readings |
| 0900 | Courier arrive for wastewater sample pickup |
| 0920 | PID perimeter check = 0.2 ppm with occasional jump to 0.6 ppm dissipating within 10 seconds; Strong oily odor.<br>O6 working to cap material after excavating for odor and PID reading control |
| 0928 | SAM 2 DustTrak (DT) = 3.06 adjusted to 3.00 LPM |
| 0931 | SAM 2 2 VOC Removed |
| 0933 | SAM 3 DT = 3.02 LPM |
| 0935 | SAM 3 VOC Removed |

| | |
|---|---|
| 0938 | SAM 1 DT = 3.04 adjusted to 3.01 LPM |
| 0940 | SAM 1 VOC Removed |
| 0946 | SAM 5 DT = 3.14 adjusted to 3.02 LPM |
| 0948 | SAM 5 VOC Removed |
| 0951 | SAM 4 DT = 3.06 adjusted to 3.01 LPM |
| 0954 | SAM 4 VOC Removed |
| 0955 | SAM 4 SKC = 2.08 LPM |
| 1000 | SAM 5 SKC = 2.08 LPM |
| 1005 | SAM 3 SKC = 1.99 LPM |
| 1006 | SAM 1 SKC = 2.01 LPM |
| 1008 | SAM 2 SKC = 1.95 LPM |
| 1012 | SAM 6 Field blank created<br>Install time: 2/23/2022 at 0912<br>Removal time: 2/25/2022 at 1012 |
| 1020 | PID perimeter check = 0.0 ppm overall<br>IMPL (B – E) = 0.1 ppm; oily odor |
| 1100 | PID perimeter check<br>Weather readings |
| 1120 | PID perimeter check = 0.1 ppm<br>IMPL (A – L) = 0.1 ppm; oily odor<br>SAM 2 = 0.1 ppm; oily odor<br>SAM 5 = 0.1 ppm; oily odor |
| 1200 | PID perimeter check<br>Weather readings |
| 1220 | PID perimeter check = 0.0 ppm; oily odor along eastern half of site<br>IMPL (A – F) = 0.0 ppm; oily odor |
| 1300 | PID perimeter check<br>Weather readings |
| 1320 | PID perimeter check = 0.0 ppm overall; light oily odor on eastern half of site. Western half remains relatively clear<br>IMPL (B – G) = 0.0 ppm; light oily odor |
| 1400 | PID perimeter check<br>Weather readings |
| 1420 | PID perimeter check = 0.0 ppm overall<br>IMPL (C -E) = 0.1 ppm; light oily odor |
| 1430 | Batteries at SAM 4, 5, and 2 swapped for the weekend |
| 1500 | End of Day<br>No VOC sample shipment |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 02/25/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 25 | 30.24 | X | | | | | | N | 79% | 6 | S | S |
| 0800 | 32 | 30.24 | X | | | | | | N | 71% | 8 | S | S |
| 0900 | 34 | 30.24 | X | | | | | | N | 69% | 9 | S | S |
| 1000 | 38 | 30.33 | X | | | | | | N | 66% | 11 | S | S |
| 1100 | 44 | 30.19 | X | | | | | | N | 57% | 14 | S | S |
| 1200 | 47 | 30.16 | X | | | | | | N | 54% | 15 | SW | S |
| 1300 | 49 | 30.12 | X | | | | | | N | 51% | 15 | SW | S |
| 1400 | 53 | 30.09 | X | | | | | | N | 48% | 16 | SW | S |
| 1500 | 55 | 30.08 | X | | | | | | N | 46% | 15 | SW | PC |
| 1600 | 52 | 30.07 | X | | | | | | N | 50% | 14 | SW | PC |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite H&S meeting<br>MET Tower offline; looking into issue |
| 0700 | Weather readings |
| 0730 | PID calibration: Passed<br>PID perimeter check |
| 0755 | SAM 2 DustTrak (DT) = 2.95 adjusted to 3.00 LPM |
| 0757 | SAM 2 SKC = 2.04 adjusted to 1.99 LPM |
| 0759 | SAM 2 VOC installed |
| 0803 | SAM 3 DT = 2.94 adjusted to 3.00 LPM |
| 0804 | SAM 3 SKC = 2.01 LPM |
| 0806 | SAM 3 VOC installed |
| 0809 | SAM 1 DT = 2.94 adjusted to 3.00 LPM |
| 0810 | SAM 1 SKC = 2.07 adjusted to 1.99 LPM |
| 0812 | SAM 1 VOC installed |
| 0816 | SAM 5 DT = 2.96 adjusted to 3.00 LPM |
| 0817 | SAM 5 SKC = 2.09 adjusted to 2.01 LPM |
| 0821 | SAM 5 VOC installed |
| 0824 | SAM 4 DT = 3.05 adjusted to 3.01 LPM |

| | |
|---|---|
| 0826 | SAM 4 SKC = 2.11 adjusted to 2.00 LPM |
| 0827 | SAM 4 VOC installed |
| 0828 | PID perimeter check = 0.0 ppm<br>IMPL (A, L) and SAM 2 = 0.0 ppm; light oily/exhaust odor towards the north end of the site |
| 0900 | PID perimeter check<br>Weather readings |
| 0920 | PID perimeter check = 0.0 ppm<br>IMPL (L) = 0.2 ppm; heavy exhaust odor from generator with light oily odor<br>IMPL (K) = 0.1 ppm; light oily odor |
| 1000 | PID perimeter check<br>Weather check |
| 1030 | PID perimeter check = 0.0 ppm overall<br>IMPL (E) = 0.1 ppm; manure odor<br>IMPL (L) = 0.1 ppm; oily odor<br>SAM 4 = 0.0 ppm; oily odor |
| 1100 | PID perimeter check<br>Weather readings |
| 1142 | MET Tower restored |
| 1150 | PID perimeter check = 0.0 ppm<br>IMPL (L) = 0.0 ppm; oily odor<br>IMPL (B) = 0.0 ppm; dead fish odor<br>IMPL (K) = 0.0 ppm; oily odor<br>SAM 1 and 3 = 0.0 ppm; strong manure odor |
| 1220 | PID perimeter check<br>Weather readings |
| 1240 | PID perimeter check = 0.0 ppm<br>IMPL (L) = 0.0 ppm; oily odor<br>IMPL (K) = 0.0 ppm; light oily odor |
| 1300 | PID perimeter check<br>Weather readings |
| 1320 | PID perimeter check = 0.0 ppm overall<br>IMPL (L) = 0.0 ppm; light oily odor<br>IMPL (K) = 0.1 ppm; oily odor |
| 1400 | PID perimeter check<br>Weather readings |
| 1420 | PID perimeter check = 0.0 ppm<br>IMPL (L) = 0.0 ppm; light oily odor<br>IMPL (K) = 0.1 ppm; oily odor |
| 1500 | PID perimeter check<br>Weather readings |
| 1520 | PID perimeter check = 0.0 ppm overall<br>IMPL (L) = 0.1 ppm; light oily odor<br>IMPL (K) = 0.1 ppm; light oily odor |
| 1600 | PID perimeter check<br>Weather readings |
| 1620 | PID perimeter check = 0.0 ppm overall<br>IMPL (L) = 0.1 ppm; light oily odor<br>IMPL (K) = 0.1 ppm; light oily odor |
| 1700 | End of Day<br>VOC shipment |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 38 | 30.01 | X | | | | | | N | 78% | 9 | SW | PC |
| 0800 | 40 | 30.01 | X | | | | | | N | 75% | 10 | W | PC |
| 0900 | 44 | 30.02 | X | | | | | | N | 69% | 11 | W | PC |
| 1000 | 50 | 30.00 | X | | | | | | N | 61% | 11 | W | PC |
| 1100 | 52 | 30.01 | X | | | | | | N | 59% | 10 | W | PC |
| 1200 | 56 | 30.00 | X | | | | | | N | 55% | 10 | W | PC |
| 1300 | 59 | 29.98 | X | | | | | | N | 48% | 10 | SW | PC |
| 1400 | 62 | 29.96 | X | | | | | | N | 44% | 10 | NW | PC |
| 1500 | 63 | 29.97 | X | | | | | | N | 41% | 9 | W | S |
| 1600 | 61 | 29.98 | X | | | | | | N | 44% | 8 | W | S |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite H&S meeting<br>MET Tower offline; looking into issue |
| 0700 | Weather readings |
| 0730 | PID calibration: Passed<br>PID perimeter check |
| 0739 | SAM 2 DustTrak (DT) = 2.97 adjusted to 2.99 LPM |
| 0743 | SAM 3 DT = 3.05 adjusted to 3.01 LPM |
| 0744 | SAM 1 DT = 3.01 LPM |
| 0747 | SAM 5 DT = 3.04 adjusted to 3.01 LPM |
| 0750 | SAM 4 DT = 3.04 adjusted to 3.01 LPM |
| 0757 | PID perimeter check = 0.0 ppm<br>SAM 2 = 0.0 ppm; oily odor<br>IMPL (B) = 0.0 ppm; oily odor |
| 0800 | PID perimeter check<br>Weather readings |
| 0820 | PID perimeter check = 0.0 ppm<br>IMPL (B) = 0.0 ppm; light oily odor<br>IMPL (L) = 0.0 ppm; light oily odor |
| 0900 | PID perimeter check<br>Weather readings |

| | |
|---|---|
| 0920 | PID perimeter check = 0.0 ppm overall<br>IMPL (A –E) = 0.1 ppm; exhaust with light oily odor<br>IMPL (L) = 0.2 ppm; oily odor |
| 1000 | PID perimeter check<br>Weather readings |
| 1020 | PID perimeter check = 0.1 ppm overall<br>IMPL (A – E) = 0.1 ppm; oily odor<br>IMPL (I) = 0.1 ppm; oily odor<br>IMPL (L) = 0.1 ppm; oily odor with a strange burn odor |
| 1100 | PID perimeter check<br>Weather readings |
| 1120 | PID perimeter check = 0.1 ppm overall<br>SAM 2 = 0.1 ppm; light oily odor<br>IMPL (A – E) = 0.2 ppm; oily odor<br>IMPL (I – J) = 0.1 ppm; oily odor |
| 1200 | PID perimeter check<br>Weather readings |
| 1220 | PID perimeter check = 0.0 ppm overall<br>IMPL (B – E) = 0.1 ppm; oily odor |
| 1300 | PID perimeter check<br>Weather readings |
| 1320 | PID perimeter check = 0.0 ppm overall<br>IMPL (A –D) = 0.1 ppm; oily odor<br>IMPL (L) = 0.1 ppm; oily odor |
| 1400 | PID perimeter check<br>Weather readings |
| 1420 | PID perimeter check = 0.0 ppm<br>IMPL (C) = 0.1 ppm; oily odor |
| 1430 | DustTraK sample labels created:<br>SAM 1: 22-T95<br>SAM 2: 22-T92<br>SAM 3: 22-T93<br>SAM 4: 22-T89<br>SAM 5: 22-T94<br>SAM 6: 22-T90 – FIELD BLANK |
| 1436 | SAM 2 DT flow = 2.88 adjusted to 2.99 LPM |
| 1438 | SAM 2 DustTrak Filter sample installed |
| 1441 | SAM 3 DT flow = 2.89 adjusted to 3.00 LPM |
| 1443 | SAM 3 DustTrak Filter sample installed |
| 1445 | SAM 1 DT = 2.94 adjusted to 2.99 LPM |
| 1447 | SAM 1 DustTrak Filter sample installed |
| 1450 | SAM 5 DT flow = 2.91 adjusted to 3.00 LPM |
| 1452 | SAM 5 DustTrak Filter sample installed |
| 1456 | SAM 4 DT flow = 2.94 adjusted to 3.00 LPM |
| 1457 | SAM 4 DustTrak Filter sample installed |
| 1500 | PID perimeter check<br>Weather readings |
| 1520 | PID perimeter check = 0.1 ppm overall<br>SAM 2 = 0.1 ppm; oily manure odor<br>IMPL (A – F) = 0.1 ppm; oily manure odor<br>IMPL (K) = 0.0 ppm; light oily odor |
| 1600 | PID perimeter check |

| | |
|---|---|
| | Weather readings |
| 1620 | PID perimeter check = 0.0 ppm overall<br>IMPL (C – F) = 0.1 ppm; oily odor |
| 1700 | END of Day<br>No sample shipments |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 03/01/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 36 | 30.13 | X | | | | | | N | 80% | 6 | S | S |
| 0800 | 39 | 30.12 | X | | | | | | N | 78% | 7 | S | S |
| 0900 | 42 | 30.11 | X | | | | | | N | 74% | 7 | S | S |
| 1000 | 46 | 30.11 | X | | | | | | N | 68% | 8 | S | PC |
| 1100 | 52 | 30.08 | X | | | | | | N | 62% | 9 | S | PC |
| 1200 | 55 | 30.06 | X | | | | | | N | 60% | 9 | SW | PC |
| 1300 | 60 | 30.01 | X | | | | | | N | 54% | 10 | SW | PC |
| 1400 | 63 | 29.98 | X | | | | | | N | 52% | 10 | SW | PC |
| 1500 | 66 | 29.96 | | X | | | | | N | 51% | 11 | SW | PC |
| 1600 | 65 | 29.96 | X | | | | | | N | 55% | 8 | SW | PC |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite H&S meeting<br>MET Tower offline; looking into issue |
| 0700 | Weather readings |
| 0820 | PID Calibration: passed |
| 0830 | SAM 2 DustTrak (DT) = 3.04 adjusted to 3.01 LPM |
| 0831 | SAM 2 VOC Removed |
| 0832 | SAM 2 SKC flow = 2.00 LPM |
| 0835 | SAM 3 DT = 3.04 adjusted to 3.01 LPM |
| 0837 | SAM 3 VOC Removed |
| 0838 | SAM 3 SKC flow = 2.02 adjusted to 1.99 LPM |
| 0840 | SAM 1 DT = 3.00 LPM |
| 0842 | SAM 1 VOC Removed |
| 0843 | SAM 1 SKC flow = 2.00 LPM |
| 0845 | SAM 5 DT = 3.00 LPM |
| 0847 | SAM 5 VOC Removed |
| 0848 | SAM 5 SKC flow = 2.04 adjusted to 2.00 LPM |
| 0852 | SAM 4 DT = 3.03 adjusted to 3.00 LPM |

| | |
|---|---|
| 0854 | SAM 4 VOC Removed |
| 0855 | SAM 4 SKC = 2.03 adjusted to 2.00 LPM |
| 0902 | Sam 6 Field Blank created<br>Install: 0902<br>Removal: 0933 |
| 0930 | PID perimeter check = 0.1 ppm overall<br>IMPL (E – K) = 0.1 ppm; light oily/exhaust odor<br>SAM 1 and 3 = 0.1 ppm; manure/exhaust odor |
| 0940 | SKC Puff samples for VOCs have not arrived. Cannot currently install new samples. Contacted Brian O'Shea whom is looking into where the coolers with the samples are. |
| 1000 | PID perimeter check<br>Weather readings |
| 1015 | PID perimeter check = 0.0 ppm overall<br>IMPL (K) = 0.1 ppm; heavy oily odor<br>IMPL (F) = 0.1 ppm; light oily odor<br>SAM 1 and 3 = 0.1 ppm; Exhaust/manure odor |
| 1116 | SAM 2 VOC installed |
| 1120 | SAM 3 VOC installed |
| 1123 | SAM 1 VOC installed |
| 1126 | SAM 5 VOC installed |
| 1130 | SAM 4 VOC installed<br>PID perimeter check = 0.1 ppm overall<br>IMPL (A – B) = 0.1 ppm; oily/manure odor<br>IMPL (F – K) = 0.1 ppm; oily odor<br>SAM 4 = 0.1 ppm; oily odor<br>SAM 5 = 0.1 ppm; oily odor |
| 1200 | PID perimeter check<br>Weather readings |
| 1220 | PID = 0.1 ppm overall<br>IMPL (A – J) = 0.1 ppm; light oily/exhaust odor<br>IMPL (K) = 0.2 ppm; oily odor<br>IMPL (L) = 0.1 ppm; oily odor<br>SAM 2 = 0.1 ppm; manure odor with some exhaust<br>SAM 4 = 0.1 ppm; light oily odor |
| 1300 | PID perimeter check<br>Weather readings |
| 1320 | PID perimeter check = 0.0 ppm overall<br>IMPL (L) = 0.0 ppm; light oily odor<br>IMPL (K) = 0.0 ppm; light oily odor<br>SAM 1 and 3 = 0.0 ppm; manure/exhaust odor |
| 1400 | PID perimeter check<br>Weather readings |
| 1420 | PID perimeter check = 0.0 ppm overall<br>IMPL (L) = 0.0 ppm; oily odor<br>IMPL (C – E) = 0.0 ppm; light exhaust odor |
| 1500 | PID perimeter check<br>Weather readings |
| 1520 | PID perimeter check = 0.0 ppm<br>IMPL (C) = 0.0 ppm; oily odor<br>IMPL (D – E) = 0.0 ppm; exhaust odor<br>IMPL (J – K) = 0.0 ppm. |
| 1600 | PID perimeter check<br>Weather readings |
| 1620 | PID perimeter check = 0.0 ppm |

| | |
|---|---|
| | IMPL (A – E) = 0.0 ppm; oily odor |
| 1700 | End of Day<br>Shipping VOC Puff samples via FedEx. |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 03/02/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 31 | 30.29 | X | | | | | | N | 81% | 14 | NE | Overcast |
| 0800 | 32 | 30.33 | X | | | | | | N | 73% | 14 | NE | Overcast |
| 0900 | 33 | 30.36 | X | | | | | | N | 70% | 14 | NE | PC |
| 1000 | 33 | 30.36 | X | | | | | | N | 66% | 13 | NE | PC |
| 1100 | 36 | 30.39 | X | | | | | | N | 59% | 13 | NE | S |
| 1200 | 37 | 30.37 | X | | | | | | N | 54% | 13 | NE | PC |
| 1300 | 39 | 30.36 | X | | | | | | N | 49% | 13 | NE | PC |
| 1400 | 40 | 30.38 | X | | | | | | N | 46% | 13 | NE | PC |
| 1500 | 40 | 30.37 | X | | | | | | N | 43% | 13 | NE | PC |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite H&S meeting<br>MET Tower offline; looking into issue |
| 0700 | Weather readings |
| 0730 | PID calibration: Passed<br>PID perimeter check |
| 0736 | SAM 2 DT = 3.10 adjusted to 3.01 LPM |
| 0739 | SAM 3 DT = 3.10 adjusted to 3.01 LPM |
| 0742 | SAM 1 DT = 3.10 adjusted to 3.00 LPM |
| 0745 | SAM 5 DT = 3.05 adjusted to 2.99 LPM |
| 0747 | SAM 4 DT = 3.05 adjusted to 2.99 LPM |
| 0750 | PID perimeter check = 0.0 ppm overall<br>IMPL (F) = 0.3 ppm; very strong oily odor<br>IMPL (G) = 0.1 ppm; oily odor<br>SAM 5 = 0.1 ppm; oily odor |
| 0830 | PID perimeter check<br>Weather readings |
| 0850 | PID perimeter check = 0.1 ppm overall<br>IMPL (A – E) = 0.1 ppm; exhaust<br>IMPL (F – H) = 0.2 ppm; oily odor<br>IMPL (I – L) = 0.1 ppm; exhaust and oily odor<br>SAM 4 = 0.1 ppm; exhaust odor |
| 0900 | PID perimeter check |

| | |
|---|---|
| | Weather readings |
| 0920 | PID perimeter check = 0.1 ppm overall<br>IMPL (A – E) = 0.1 ppm; exhaust<br>IMPL (F – H) = 0.2 ppm; oily odor<br>IMPL (I – L) = 0.1 ppm; exhaust and oily odor<br>SAM 4 = 0.1 ppm; exhaust odor |
| 1000 | PID perimeter check<br>Weather readings |
| 1020 | PID perimeter check = 0.0 ppm<br>IMPL (F – H) = 0.0 ppm; light oily odor |
| 1100 | PID perimeter check<br>Weather readings |
| 1120 | PID = 0.0 ppm overall<br>IMPL (E) = 0.0 ppm; oily exhaust odor<br>IMPL (F) = 0.1 ppm; oily odor<br>IMPL (G – I) = 0.0 ppm; oily odor |
| 1200 | PID perimeter check<br>Weather readings |
| 1220 | PID perimeter check = 0.0 ppm<br>IMPL (F – G) = 0.0 ppm; light oily odor |
| 1300 | PID perimeter check<br>Weather readings |
| 1320 | PID perimeter check = 0.0 ppm<br>IMPL (F) = 0.1 ppm; light oily odor |
| 1400 | PID perimeter check<br>Weather readings |
| 1420 | PID perimeter check =0.0 ppm<br>IMPL (F – H) = 0.0 ppm; light oily odor |
| 1500 | PID perimeter check<br>Weather readings |
| 1520 | PID perimeter check = 0.0 ppm<br>IMPL (F – G) = 0.0 ppm; light oily odor |
| 1600 | End of Day<br>No shipments |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 03/03/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 0800 | 32 | 30.39 | X | | | | | | N | 69% | 11 | E | S |
| 0900 | 35 | 30.40 | X | | | | | | N | 63% | 12 | W | S |
| 1000 | 38 | 30.38 | X | | | | | | N | 59% | 12 | SE | S |
| 1100 | 41 | 30.37 | X | | | | | | N | 53% | 11 | SE | S |
| 1200 | 45 | 30.34 | X | | | | | | N | 47% | 10 | SE | PC |
| 1300 | 48 | 30.29 | X | | | | | | N | 41% | 12 | SE | PC |
| 1400 | 51 | 30.27 | X | | | | | | N | 37% | 13 | SE | PC |
| 1500 | 52 | 30.24 | X | | | | | | N | 36% | 13 | SE | PC |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite H&S meeting<br>MET Tower offline; looking into issue |
| 0700 | Weather readings |
| 0730 | PID calibration: Passed<br>PID perimeter check<br>Sampled treated wastewater Frac-tank: 258625<br>ID: FT258625 – WW – 20220304 |
| 0800 | Wastewater samples on ice |
| 0820 | PID perimeter check |
| 0828 | SAM 2 DustTrak (DT) = 3.06 adjusted to 3.00 LPM |
| 0830 | SAM 2 VOC Removed |
| 0834 | SAM 2 SKC = 2.04 LPM |
| 0834 | SAM 3 DT = 3.03 adjusted to 3.00 LPM |
| 0836 | SAM 3 VOC Removed |
| 0837 | SAM 3 SKC flow = 2.00 LPM |
| 0838 | SAM 1 DT = 3.00 LPM |
| 0840 | SAM 1 VOC Removed |
| 0841 | SAM 1 SKC flow = 1.99 LPM |
| 0843 | SAM 5 DT = 2.96 adjusted to 3.00 LPM |

| | |
|---|---|
| 0845 | SAM 5 VOC Removed |
| 0846 | SAM 5 SKC = 1.97 LPM |
| 0848 | SAM 4 DT = 3.00 LPM |
| 0850 | SAM 4 VOC Removed |
| 0851 | SAM 4 SKC flow = 1.97 LPM |
| 0852 | PID perimeter check = 0.0 ppm<br>IMPL (H – K) = 0.0 ppm; oily odor |
| 0900 | Teklab courier arrived and picked up samples. |
| 0930 | PID perimeter check |
| 0950 | PID perimeter ceck = 0.0 ppm<br>IMPL (H – L) = 0.0 ppm; oily odor |
| 1000 | PID perimeter check<br>Weather readings |
| 1020 | PID perimeter check = 0.0 ppm<br>IMPL (H – L) = 0.0 ppm; light oily odor |
| 1100 | PID perimeter check<br>Weather readings |
| 1120 | PID perimeter check = 0.0 ppm overall<br>IMPL (H – K) = 0.1 ppm; light oily odor |
| 1200 | PID perimeter check<br>Weather readings |
| 1220 | PID perimeter check = 0.0 ppm<br>No odors present along perimeter |
| 1300 | PID perimeter check<br>Weather readings |
| 1320 | PID perimeter check = 0.0 ppm<br>IMPL (H – K) = 0.0 ppm; light oily odor<br>IMPL (B – C) = 0.0 ppm; manure – like odor |
| 1400 | PID perimeter check<br>Weather readings |
| 1420 | PID perimeter check = 0.0 ppm<br>IMPL (H – K) = 0.0 ppm; light oily odor |
| 1500 | PID perimeter check<br>Weather readings |
| 1520 | PID perimeter check = 0.0 ppm<br>IMPL (H – K) = 0.0 ppm; oily odor |
| 1600 | End of Day<br>No shipment |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 03/04/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 34.7 | 28.96 | X | | | | | | N | 100 | 8.3 | NE | C |
| 0800 | 34.5 | 28.99 | X | | | | | | N | 100 | 2.9 | NE | C |
| 0900 | 34.5 | 28.99 | X | | | | | | N | 96 | 5.1 | NE | C |
| 1000 | 34.5 | 28.99 | X | | | | | | N | 91 | 6.7 | NE | C |
| 1100 | 34.1 | 29.09 | X | | | | | | N | 90 | 2.7 | NE | C |
| 1200 | 34.5 | 29.12 | X | | | | | | N | 84 | 6.3 | NE | C |
| 1300 | 35.4 | 29.14 | X | | | | | | N | 80 | 6.5 | NE | C |
| 1400 | 35.6 | 29.15 | X | | | | | | N | 82 | 2.7 | NE | C |
| 1500 | 34.3 | 28.98 | X | | | | | | N | 76 | 8.9 | NE | C |
| 1600 | 34.3 | 28.98 | X | | | | | | N | 77 | 1.8 | NE | C |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | ERM and 06 Environmental onsite for site-wide Health & Safety tailgate meeting. |
| 0700 | Weather update and perform PID check – no hits. Light hydrocarbon-like odor throughout site. |
| 0800 | Weather update and perform PID check – no hits. Light hydrocarbon-like odor throughout site. |
| 0900 | Weather update and perform PID check – no hits. |
| 1000 | Weather update and perform PID check – no hits. Light hydrocarbon-like odor throughout site. |
| 1100 | Weather update and perform PID check – no hits. Light hydrocarbon-like odor throughout site. |
| 1140 | Checked SAM DustTrak & SKC Pump flows and installed SKC PUF samples in all SAM locations. |
| 1215 | Weather update and perform PID check – no hits. Light hydrocarbon-like odor throughout site. |
| 1345 | Weather update and perform PID check – no hits. Light hydrocarbon-like odor throughout site. |
| 1415 | Removed DustTrak filter samples and installed blank samples in all SAM DustTrak locations. |
| 1427 | 75% exceedance reached on SAM#1 DustTrak due to kinking of air hose while closing DustTrak lid (false alarm). |
| 1440 | Re-measured DustTrak flow in all SAM locations after removing DustTrak filters. |
| 1500 | Weather update and perform PID check – no hits. Light hydrocarbon-like odor throughout site. |
| 1600 | Weather update and perform PID check – no hits. Light hydrocarbon-like odor throughout site. |
| 1630 | Packed up cooler for SKC PUF samples and DustTrak filter samples from all SAM locations. Marshall Arendell offsite. |
| 1700 | All personnel offsite. |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 03/07/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 27.9 | 29.35 | X | | | | | | N | 75 | 1.6 | S | PC |
| 0800 | 28.9 | 29.36 | X | | | | | | N | 74 | 1.8 | NNE | PC |
| 0900 | 31.3 | 29.35 | X | | | | | | N | 68 | 2.9 | E | S |
| 1000 | 31.5 | 29.36 | X | | | | | | N | 70 | 1.8 | SW | S |
| 1100 | 33.9 | 29.34 | X | | | | | | N | 67 | 0.7 | NW | PC |
| 1200 | 37.2 | 29.31 | X | | | | | | N | 61 | 1.8 | N | PC |
| 1300 | 37.6 | 29.27 | X | | | | | | N | 61 | 4.5 | N | S |
| 1400 | 39.7 | 29.24 | X | | | | | | N | 56 | 2.7 | SW | S |
| 1500 | 39.7 | 29.20 | X | | | | | | N | 56 | 4.3 | SW | S |
| 1600 | 38.5 | 29.20 | X | | | | | | N | 62 | 2.7 | SW | S |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | ERM & 06 Environmental onsite for site-wide Health & Safety tailgate meeting. |
| 0700 | ERM performed bump test on PID (passed) and checked perimeter of site with PID – no hits. No longer any hydrocarbon-like odor. |
| 0800 | Weather log update and PID perimeter check – no hits. |
| 0900 | Weather log update and PID perimeter check – no hits. |
| 1000 | Checked DustTrak flow at each SAM location and calibrated as necessary. Slight hydrocarbon-like odor throughout site. |
| 1045 | Weather log update and PID perimeter check – no hits. |
| 1145 | Marshall offsite to pick up new DustTrak machines & passive samples. |
| 1215 | Marshall back onsite. |
| 1330 | Weather log update and PID perimeter check – no hits. Slight hydrocarbon-like odor around NE edge of hole. |
| 1420 | Applied impactor oil to every DustTrak at each SAM locations. |
| 1445 | Weather log update and PID perimeter check – no hits. |
| 1540 | Swapped out DustTraks at SAM locations # 2 & 5. Tested and reapplied impactor oil to new sample inlet. Both new DustTraks operational. Rechecked flow and calibrated as necessary. |
| 1700 | All personnel offsite for the day. |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 32.5 | 29.1 | X | | | | | | Y | 82 | 0.7 | SW | S |
| 0800 | 35.6 | 29.1 | X | | | | | | N | 76 | 1.6 | NW | S |
| 0900 | 39.3 | 29.1 | X | | | | | | N | 67 | 2.2 | NW | S |
| 1000 | 41.5 | 29.1 | X | | | | | | N | 60 | 2.7 | W | S |
| 1100 | 44.4 | 29.1 | X | | | | | | N | 59 | 4.9 | W | S |
| 1200 | 46.4 | 29.1 | X | | | | | | N | 60 | 3.1 | W | S |
| 1300 | 46.5 | 29.1 | X | | | | | | N | 63 | 1.8 | S | S |
| 1400 | 47.8 | 29.1 | X | | | | | | N | 58 | 4.5 | S | S |
| 1500 | 43.8 | 29.1 | X | | | | | | N | 64 | 1.8 | N | S |
| 1600 | 43.8 | 29.1 | X | | | | | | N | 64 | 1.8 | N | PC |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | ERM & 06 Environmental onsite for site-wide Health & Safety tailgate meeting. |
| 0745 | Dust kicked up from cleaning road for trucks delivering CA6 and stone. |
| 0915 | Removed SKC PUF samples, checking SKC pump flow and installing new SKC PUF samples in all SAM locations. Calibrated SKC pump flow as necessary. |
| 1000 | Checked DustTrak flows at each SAM location and calibrated as necessary. Slight hydrocarbon-like odor through the site – strongest near the excavation. |
| 1030 | Removed passive samples and installed new passive samples in all SAM locations. |
| 1200 | Weather update and PID perimeter check – no hits. |
| 1300 | Weather update and PID perimeter check – no hits. |
| 1350 | Filled out chains & excel logs for the day. Packed up old DustTrak modules from SAM #2 & 5, passive samples & SKC PUF samples. |
| 1500 | Weather update and PID perimeter check – no hits. |
| 1545 | Marshall offsite to drop off all samples and old DustTrak modules. |
| 1620 | Marshall onsite. |
| 1645 | ERM & 06 have end of day meeting – same process for 06 tomorrow. |
| 1700 | All personnel offsite. |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 26.8 | 29.3 | N | | | | | | X | 81 | 6.0 | N | PC |
| 0800 | 27.7 | 29.3 | N | | | | | | X | 80 | 3.4 | N | PC |
| 0900 | 31.1 | 29.3 | N | | | | | | X | 71 | 6.9 | NW | PC |
| 1000 | 32.4 | 29.3 | N | | | | | | X | 74 | 2.0 | N | PC |
| 1100 | 33.8 | 29.2 | N | | | | | | X | 73 | 4.9 | E | PC |
| 1200 | 36.1 | 29.2 | N | | | | | | X | 68 | 6.3 | E | PC |
| 1300 | 38.5 | 29.2 | N | | | | | | X | 60 | 3.8 | NE | S |
| 1400 | 40.8 | 29.2 | N | | | | | | X | 56 | 1.3 | NE | S |
| 1500 | 40.5 | 29.2 | N | | | | | | X | 61 | 2.5 | N | PC |
| 1600 | 38.8 | 29.2 | N | | | | | | X | 59 | 2.5 | NE | PC |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | ERM & 06 Environmental onsite for site-wide Health & Safety tailgate meeting. |
| 0700 | Weather update and PID perimeter check – no hits/ odor. |
| 0800 | Weather update and PID perimeter check – no hits/ odor. |
| 0900 | Weather update and PID perimeter check – no hits/ odor. |
| 1000 | Weather update and PID perimeter check – no hits/ odor. |
| 1100 | Weather update and PID perimeter check – no hits/ odor. |
| 1120 | Checked DustTrak flow at each SAM location and calibrated as necessary. |
| 1200 | Weather update and PID perimeter check – no hits. Slight hydrocarbon-like odor around excavation. Truck driver ran over cone and work was paused to make more room for truck drivers. Work resumed shortly afterwards. |
| 1300 | Weather update and PID perimeter check – no hits. Slight hydrocarbon-like odor throughout site. |
| 1400 | Weather update and PID perimeter check – no hits. Slight hydrocarbon-like odor throughout site. |
| 1500 | Weather update and PID perimeter check – no hits. Slight hydrocarbon-like odor throughout site. |
| 1600 | Weather update and PID perimeter check – no hits. Slight hydrocarbon-like odor throughout site. |
| 1645 | End of day meeting with ERM & 06 Environmental. |
| 1700 | All personnel offsite |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 22.5 | 29.2 | | | | | | X | N | 95 | 2.5 | NW | PC |
| 0800 | 23.0 | 29.2 | X | | | | | | N | 93 | 3.9 | NW | PC |
| 0900 | 24.8 | 29.2 | X | | | | | | N | 86 | 2.5 | NW | PC |
| 1000 | 26.6 | 29.2 | X | | | | | | N | 81 | 4.7 | NW | PC |
| 1100 | 16.2 | 29.2 | X | | | | | | N | 76 | 5.6 | NW | S |
| 1200 | 28.8 | 29.2 | X | | | | | | N | 78 | 4.5 | NW | S |
| 1300 | 29.5 | 29.2 | X | | | | | | N | 68 | 2.9 | S | PC |
| 1400 | 28.6 | 29.2 | X | | | | | | N | 65 | 8.1 | NW | PC |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | ERM & 06 Environmental onsite for site-wide Health & Safety tailgate meeting. |
| 0730 | Turned on PID and performed bump test. Test = 90.0 (passed). Weather update and performed perimeter check with PID – no hits/ odor. |
| 0830 | Weather update and perimeter check with PID – no hits/ odor. |
| 1000 | Weather update and perimeter check with PID – no hits/ odor. |
| 1030 | Checked DustTrak flow and removed SKC PUF samples at each SAM location. Calibrated DustTrak flow as necessary. Turned off SKC pumps at SAM locations 2, 4, & 5. |
| 1115 | Weather update and perimeter check with PID – no hits. Slight hydrocarbon-like odor around new northeast excavation (south of SAM#2). |
| 1300 | Weather update and perimeter check with PID – no hits/ odor. |
| 1400 | Weather update. All personnel offsite for the day. |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 35.7 | 29.3 | X | | | | | | N | 86 | 4.0 | NE | S |
| 0800 | 39.0 | 29.3 | X | | | | | | N | 80 | 2.5 | E | S |
| 0900 | 43.7 | 29.3 | X | | | | | | N | 72 | 4.3 | W | S |
| 1000 | 48.2 | 29.3 | X | | | | | | N | 63 | 3.4 | S | S |
| 1100 | 52.3 | 29.3 | X | | | | | | N | 53 | 2.5 | SW | S |
| 1200 | 56.0 | 29.3 | X | | | | | | N | 47 | 8.7 | SW | S |
| 1300 | 60.0 | 29.3 | X | | | | | | N | 42 | 1.8 | S | S |
| 1400 | 61.0 | 29.4 | X | | | | | | N | 40 | 1.1 | SW | S |
| 1500 | 62.0 | 29.3 | X | | | | | | N | 36 | 3.4 | SW | S |
| 1600 | 61.0 | 29.3 | X | | | | | | N | 34 | 7.4 | S | S |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | ERM & 06 Environmental onsite for site-wide Health & Safety tailgate meeting. |
| 0650 | Calibrated PID meter: zero cal. = 0.0ppm (passed) \| span cal. = 100.2ppm (passed) |
| 0700 | Weather update & PID perimeter check – no hits/ odor. |
| 0800 | Weather update & PID perimeter check – no hits/ odor. |
| 0900 | Weather update & PID perimeter check – no hits/ odor. |
| 1000 | Weather update & PID perimeter check – no hits/ odor. |
| 1040 | Checked DustTrak & SKC pump flows in all SAM locations. Installed SKC PUF samples in all SAM locations. |
| 1120 | Checked battery life at SAM # 2, 4, & 5. All batteries fully charged. |
| 1130 | Weather update & PID perimeter check – no hits. Slight hydrocarbon-like odor near excavation. |
| 1230 | Weather update & PID perimeter check – no hits. Slight hydrocarbon-like odor near excavation. |
| 1330 | Weather update & PID perimeter check – no hits. Slight hydrocarbon-like odor near excavation. |
| 1350 | Performed zero calibration on SAM#1 DustTrak. Re-did flow verification and applied impactor oil to sample inlet. |
| 1430 | Weather update & PID perimeter check – no hits. Slight hydrocarbon-like odor near excavation. |
| 1530 | Weather update & PID perimeter check – no hits. Slight hydrocarbon-like odor near excavation. |
| 1615 | Packed SKC PUF samples from last weekand filled out COC. |
| 1700 | All personnel offsite. Marshall to drop off samples at FedEx. |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 03/14/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 45 | 29.3 | X | | | | | | N | 91 | 2 | S | PC |
| 0800 | 47 | 29.3 | X | | | | | | N | 87 | 4.5 | S | PC |
| 0900 | 49 | 29.3 | X | | | | | | N | 85 | 5.4 | S | S |
| 1000 | 54 | 29.3 | X | | | | | | N | 77 | 2 | S | PC |
| 1100 | 56 | 29.3 | X | | | | | | N | 76 | 3.1 | W | S |
| 1200 | 61 | 29.3 | X | | | | | | N | 65 | 2.5 | NW | S |
| 1300 | 62 | 29.3 | X | | | | | | N | 63 | 1.8 | NW | S |
| 1400 | 66 | 29.3 | X | | | | | | N | 53 | 3.4 | NW | S |
| 1500 | 66 | 29.3 | X | | | | | | N | 54 | 2.9 | NW | S |
| 1600 | 66 | 29.3 | X | | | | | | N | 52 | 2.7 | NW | S |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | ERM & 06 Environmental onsite for site-wide Health & Safety tailgate meeting. |
| 0650 | Bump test performed on PID meter = 90.3 (passed). |
| 0700 | Weather update and PID perimeter walk – no hits/ odor. |
| 0800 | Weather update and PID perimeter walk – no hits/ odor. |
| 0900 | Weather update and PID perimeter walk – no hits/ odor. |
| 1000 | Weather update and PID perimeter walk – no hits/ odor. |
| 1030 | Checked DustTrak flow and added impactor oil to sample inlets on all SAM locations. Calibrated DustTrak flow as necessary. |
| 1100 | Weather update and PID perimeter walk – no hits. Slight hydrocarbon-like odor only near excavation. |
| 1230 | Weather update and PID perimeter walk – no hits. Slight hydrocarbon-like odor throughout site. |
| 1330 | Weather update and PID perimeter walk – no hits. Slight hydrocarbon-like odor only near excavation. |
| 1500 | Weather update and PID perimeter walk – no hits. Slight hydrocarbon-like odor only near excavation. |
| 1600 | Weather update and PID perimeter walk – no hits. Slight hydrocarbon-like odor only near excavation. |
| 1700 | All personnel offsite. |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 50 | 29.2 | X | | | | | | N | 78 | 1.8 | SW | S |
| 0800 | 51 | 29.2 | X | | | | | | N | 75 | 2.9 | SE | S |
| 0900 | 54 | 29.2 | X | | | | | | N | 70 | 0.7 | S | S |
| 1000 | 56 | 29.2 | X | | | | | | N | 69 | 2.7 | SW | S |
| 1100 | 66 | 29.2 | X | | | | | | Y | 48 | 5.1 | S | S |
| 1200 | 67 | 29.2 | X | | | | | | N | 47 | 2.5 | S | S |
| 1300 | 68 | 29.2 | X | | | | | | N | 44 | 3.4 | S | S |
| 1400 | 70 | 29.1 | X | | | | | | Y | 40 | 4.0 | SW | S |
| 1500 | 71 | 29.0 | X | | | | | | N | 41 | 3.8 | SW | S |
| 1600 | 70 | 29.0 | X | | | | | | N | 41 | 3.6 | SW | S |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | ERM & 06 Environmental onsite for site-wide Health & Safety tailgate meeting. |
| 0650 | Perform bump test on PID – test passed. |
| 0700 | Weather update and PID perimeter check – no hits/ odor. |
| 0815 | Weather update and PID perimeter check – no hits/ odor. |
| 0930 | Weather update and PID perimeter check – no hits/ odor. |
| 1000 | Removed & installed VOC PUF samples at all SAM locations. Checked SKC pump and DustTrak flows and calibrated as necessary at all SAM locations. |
| 1115 | Weather update and PID perimeter check – no hits. Slight hydrocarbon-like odor near excavation. Dust visible when moving surge, CA6 and other materials around. |
| 1215 | Weather update and PID perimeter check – no hits. Slight hydrocarbon-like odor near excavation. |
| 1330 | Weather update and PID perimeter check – no hits. Slight hydrocarbon-like odor near excavation. Visible dust from moving materials around present. |
| 1430 | Weather update and PID perimeter check – no hits. Slight hydrocarbon-like odor throughout site. |
| 1600 | Weather update and PID perimeter check – no hits. Slight hydrocarbon-like odor near excavation. |
| 1630 | Packed up and prepared cooler for PUF samples to be shipped via FedEx |
| 1700 | All personnel offsite. |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 52 | 29.0 | X | | | | | | N | 81 | 1.1 | E | S |
| 0800 | 53 | 29.0 | X | | | | | | N | 77 | 2.2 | S | S |
| 0900 | 59 | 29.0 | X | | | | | | N | 75 | 3.1 | S | S |
| 1000 | 62 | 29.0 | X | | | | | | N | 71 | 3.6 | SW | S |
| 1100 | 67 | 29.0 | X | | | | | | N | 63 | 2.7 | S | S |
| 1200 | 69 | 29.0 | X | | | | | | N | 57 | 3.8 | S | S |
| 1300 | 73 | 29.0 | X | | | | | | N | 51 | 1.1 | S | S |
| 1400 | 74 | 29.0 | X | | | | | | N | 48 | 1.3 | N | S |
| 1500 | 75 | 29.0 | X | | | | | | N | 46 | 6.3 | SW | PC |
| 1600 | 73 | 29.0 | X | | | | | | N | 41 | 1.8 | SE | PC |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | ERM & 06 Environmental onsite for site-wide Health & Safety tailgate meeting. |
| 0650 | Performed bump test on PID meter – test passed. |
| 0700 | Weather log update and site walk with PID – no hits. Slight hydrocarbon-like odor near excavation. |
| 0800 | Weather log update. Site walk with PID – read 0.1 near excavation; no hits anywhere else. Hydrocarbon-like odor near excavation. |
| 0900 | Weather log update and site walk with PID – no hits. Hydrocarbon-like odor near excavation. |
| 1000 | Weather log update and site walk with PID – no hits. Hydrocarbon-like odor near excavation. |
| 1045 | Checked DustTrak flow at all SAM locations and calibrated as necessary. |
| 1110 | Weather log update and site walk with PID – no hits. Hydrocarbon-like odor near excavation. |
| 1200 | Weather log update and site walk with PID – no hits. Hydrocarbon-like odor near excavation. |
| 1300 | Weather log update and site walk with PID – no hits. Hydrocarbon-like odor near excavation. |
| 1400 | Weather log update and site walk with PID – no hits. Hydrocarbon-like odor near excavation. |
| 1520 | Weather log update and site walk with PID – no hits. Hydrocarbon-like odor near excavation. |
| 1615 | Weather log update and site walk with PID – no hits. Hydrocarbon-like odor near excavation. |
| 1700 | All personnel offsite |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 49 | 29.0 | X | | | | | | N | 90 | 4.0 | S | C |
| 0800 | 51 | 29.0 | X | | | | | | N | 88 | 1.1 | SE | C |
| 0900 | 54 | 29.0 | X | | | | | | N | 85 | 2.0 | E | C |
| 1000 | 54 | 29.0 | | X | | | | | N | 86 | 2.9 | E | C |
| 1100 | 54 | 29.0 | | X | | | | | N | 89 | 2.9 | SE | C |
| 1200 | 54 | 28.9 | | X | | | | | N | 97 | 2.0 | SE | C |
| 1300 | 54 | 28.9 | | X | | | | | N | 98 | 0.9 | NW | C |
| 1400 | 55 | 28.9 | | X | | | | | N | 99 | 0.7 | NW | C |
| 1500 | 55 | 28.9 | | X | | | | | N | 98 | 2.9 | E | C |
| 1600 | | | | | | | | | | | | | |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | ERM & 06 Environmental onsite for site-wide Health & Safety tailgate meeting. |
| 0650 | Performed bump test on PID meter. |
| 0700 | Weather log update & site walk with PID – no hits but hydrocarbon-like odor near excavation. |
| 0800 | Weather log update & site walk with PID – no hits but hydrocarbon-like odor near excavation. |
| 0915 | Weather log update & site walk with PID – no hits but hydrocarbon-like odor near excavation. |
| 1000 | Checked DustTrak flow, removed SKC PUF samples and turned off SKC pumps at all SAM locations. |
| 1100 | Weather log update & site walk with PID – no hits but hydrocarbon-like odor near excavation. |
| 1200 | Weather log update & site walk with PID – no hits but hydrocarbon-like odor near excavation. |
| 1300 | Weather log update & site walk with PID – no hits but hydrocarbon-like odor near excavation. |
| 1400 | Weather log update & site walk with PID – no hits but hydrocarbon-like odor near excavation. |
| 1500 | All personnel offsite. |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 52 | 30.12 | X | | | | | | N | 57% | 6 | S | S |
| 0800 | 54 | 30.13 | X | | | | | | N | 54% | 6 | S | S |
| 0900 | 59 | 30.15 | X | | | | | | N | 48% | 9 | S | S |
| 1000 | 63 | 30.15 | X | | | | | | N | 41% | 10 | S | S |
| 1100 | 70 | 30.12 | X | | | | | | N | 33% | 12 | S | S |
| 1200 | 72 | 30.12 | X | | | | | | N | 31% | 12 | S | S |
| 1300 | 75 | 30.08 | X | | | | | | N | 29% | 14 | S | S |
| 1400 | 76 | 30.04 | X | | | | | | N | 26% | 15 | S | S |
| 1500 | 75 | 29.99 | X | | | | | | N | 24% | 15 | S | S |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite H&S meeting<br>MET Tower offline; looking into issue |
| 0700 | Weather readings |
| 0730 | PID calibration: Passed<br>PID perimeter check |
| 0747 | SAM 2 DustTrak (DT) = 2.95 adjusted to 2.99 LPM |
| 0749 | SAM 2 SKC flow = 1.88 adjusted to 2.00 LPM |
| 0751 | SAM 2 VOC installed |
| 0752 | SAM 3 DT = 3.00 LPM |
| 0754 | SAM 3 SKC flow = 1.95 adjusted to 2.01 LPM |
| 0756 | SAM 3 VOC installed |
| 0758 | SAM 1 DT = 3.01 LPM |
| 0759 | SAM 1 SKC flow = 1.97 adjusted to 2.01 LPM |
| 0801 | SAM 1 VOC installed |
| 0807 | SAM 5 DT = 2.96 adjusted to 2.98 LPM |
| 0809 | SAM 5 SKC flow = 1.91 adjusted to 2.02 LPM |
| 0811 | SAM 5 VOC installed |
| 0812 | SAM 4 DT = 2.97 adjusted to 3.01 LPM |
| 0814 | SAM 4 SKC flow = 1.87 adjusted to 2.01 LPM |

| | |
|---|---|
| 0816 | SAM 4 VOC installed |
| 0820 | PID perimeter check = 0.0 ppm<br>Light dust from truck loads; immediate dissipation |
| 0930 | PID perimeter check |
| 0950 | PID perimeter check = 0.0 ppm<br>IMPL (L) = 0.0 ppm; light tar-like odor |
| 1000 | PID perimeter check |
| 1020 | PID perimeter check = 0.0 ppm<br>No dust<br>No odor |
| 1100 | PID perimeter check |
| 1115 | PID perimeter check = 0.0 ppm |
| 1200 | PID perimeter check |
| 1220 | PID perimeter check = 0.0 ppm<br>IMPL (L) = 0.0 ppm; light oily exhaust odor |
| 1300 | PID perimeter check |
| 1320 | PID perimeter check = 0.0 ppm<br>IMPL (L, A – B) = 0.0 ppm; light tar-like odor |
| 1400 | PID perimeter check |
| 1420 | PID perimeter check = 0.0 ppm<br>IMPL (L, A – B) = 0.0 ppm; light tar-like odor |
| 1500 | PID perimeter check |
| 1515 | PID = 0.0 ppm |
| 1600 | End of Day; no additional readings<br>Puff Sample Shipment |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 03/21/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 54 | 29.74 | | X | | | | | N | 85% | 14 | SE | Overcast |
| 0800 | 55 | 29.73 | X | | | | | | N | 85% | 15 | SE | Overcast |
| 0900 | 56 | 29.72 | X | | | | | | N | 84% | 15 | SE | Overcast |
| 1000 | 58 | 29.71 | X | | | | | | N | 83% | 15 | SE | Overcast |
| 1100 | 58 | 29.71 | X | | | | | | N | 85% | 16 | SE | Overcast |
| 1200 | 57 | 29.71 | X | | | | | | N | 89% | 16 | SE | Overcast |
| 1300 | 57 | 29.68 | | | X | | | | N | 91% | 19 | SE | Overcast |
| 1400 | 56 | 29.66 | X | | | | | | N | 96% | 16 | SE | Overcast |
| 1500 | 56 | 29.63 | | | X | | | | N | 96% | 13 | S | Overcast |
| 1600 | 57 | 29.60 | | | X | | | | N | 95% | 10 | S | Overcast |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite H&S meeting<br>MET Tower offline; looking into issue |
| 0700 | Weather readings |
| 0730 | PID calibration: Passed<br>PID perimeter check |
| 0746 | SAM 2 DustTrak (DT) = 3.01 LPM |
| 0747 | SAM 3 DT = 3.03 adjusted to 3.00 LPM |
| 0749 | SAM 1 DT = 3.06 adjusted to 3.00 LPM |
| 0750 | SAM 5 DT = 3.00 LPM |
| 0752 | SAM 4 DT = 3.02 LPM |
| 0755 | PID perimeter check = 0.0 ppm overall<br>IMPL (K – L) = 0.1 ppm; tar-like odor from eastern wall excavation |
| 0800 | PID perimeter check |
| 0820 | PID perimeter check = 0.0 ppm overall<br>IMPL (K – L) = 0.2 ppm; tar-like odor from eastern wall excavation |
| 0900 | PID perimeter check |
| 0920 | PID perimeter check = 0.0 ppm overall<br>IMPL (K – L) = 0.2 ppm; tar-like odor from eastern wall excavation |
| 1000 | PID perimeter check |

| | |
|---|---|
| 1020 | PID perimeter check = 0.0 ppm overall<br>IMPL (L – K) = 0.1 ppm; tar-like odor |
| 1100 | PID perimeter check |
| 1120 | PID perimeter check = 0.0 ppm overall<br>IMPL (L – K) = 0. ppm; tar-like odor |
| 1200 | PID perimeter check |
| 1220 | PID perimeter check = 0.0 ppm<br>IMPL (K – L) = 0.0 ppm; tar-like odor |
| 1300 | PID perimeter check |
| 1320 | PID perimeter check = 0.0 ppm<br>IMPL (K – L) = 0.0 ppm; tar-like odor |
| 1400 | PID perimeter check |
| 1420 | PID perimeter check = 0.0 ppm overall<br>IMPL (K – L = 0.0 ppm; light tar-like odor |
| 1500 | PID perimeter check |
| 1520 | PID perimeter check = 0.0 ppm overall<br>IMPL (K – L) = 0.1 ppm; tar-like odor |
| 1600 | PID perimeter check |
| 1620 | PID perimeter check = 0.0 ppm overall<br>IMPL (K – L) = 0.1 ppm; tar-like odor |
| 1700 | End of Day; all personnel offsite |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 03/22/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 51 | 29.45 | X | | | | | | N | 90% | 6 | SW | Overcast |
| 0800 | 52 | 29.48 | X | | | | | | N | 90% | 8 | SW | Overcast |
| 0900 | 53 | 29.53 | X | | | | | | N | 100% | 9 | S | Overcast |
| 1000 | 54 | 29.52 | | X | | | | | N | 99% | 10 | S | Overcast |
| 1100 | 55 | 29.51 | | | X | | | | N | 95% | 11 | S | Overcast |
| 1200 | 57 | 29.49 | X | | | | | | N | 93% | 12 | S | Overcast |
| 1300 | 57 | 29.48 | | X | | | | | N | 90% | 14 | SW | Overcast |
| 1400 | 57 | 29.47 | X | | | | | | N | 86% | 16 | SW | Overcast |
| 1500 | 57 | 29.46 | | X | | | | | N | 82% | 19 | SW | Overcast |
| 1600 | 55 | 29.48 | X | | | | | | N | 84% | 18 | SW | Overcast |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite H&S meeting<br>MET Tower offline; looking into issue |
| 0700 | Weather readings |
| 0730 | Sample pickup |
| 0800 | Sampled frac-tank 254385: FT254385 – WW – 20220323<br>No Puff samples dropped off for retrieval; called Brian O'Shea for further investigation |
| 0825 | PID calibration: Passed |
| 0829 | SAM 2 DustTrak (DT) = 3.05 adjusted to 3.00 LPM |
| 0830 | SAM 2 VOC Removed |
| 0832 | SAM 2 SKC flow = 2.07 adjusted to 1.99 LPM |
| 0834 | SAM 2 Passive sample removed ID: 1166885 |
| 0835 | SAM 3 DT = 3.00 LPM |
| 0838 | SAM 3 VOC Removed |
| 0839 | SAM 3 SKC flow = 2.05 adjusted to 2.01 LPM |
| 0841 | SAM 3 Passive sample removed ID: 1166889 |
| 0843 | SAM 1 DT = 3.00 LPM |
| 0845 | SAM 1 VOC Removed |
| 0846 | SAM 1 SKC flow = 2.01 LPM |

| | |
|---|---|
| 0853 | SAM 5 VOC Removed |
| 0854 | SAM 5 SKC flow = 2.01 LPM |
| 0856 | SAM 5 Passive sample removed ID: 1153944 |
| 0857 | SAM 4 DT = 3.00 LPM |
| 0858 | SAM 4 VOC Removed |
| 0859 | SAM 4 SKC flow = 2.04 adjusted to 2.00 LPM |
| 0901 | SAM 4 Passive sample removed ID: 1166965 |
| 0928 | Passive samples placed in freezer<br>PID = 0.0 ppm overall from 0800 t0 0920<br>IMPL (K – L) = 0.2 ppm; tar-like odor |
| 1020 | PID perimeter check = 0.0 ppm overall<br>IMPL (K – L) = 0.0 ppm; light tar-like odor<br>SAM 2 Passive sample installed ID: 1155768 |
| 1025 | SAM 1 Passive sample installed ID: 1153876 |
| 1027 | SAM 3 Passive sample installed ID: 1155791 |
| 1033 | SAM 5 Passive sample installed ID: 1155885 |
| 1035 | SAM 4 Passive sample installed ID: 1155820 |
| 1100 | PID perimeter check |
| 1120 | PID perimeter check = 0.0 ppm overall<br>IMPL (K – L) = 0.1 ppm; tar-like odor |
| 1200 | PID perimeter check |
| 1220 | PID perimeter check = 0.0 ppm overall<br>IMPL (K – L) = 0.1 ppm; tar-like odor |
| 1300 | PID perimeter check |
| 1320 | PID perimeter check = 0.0 ppm overall<br>IMPL (K – L) = 0.1 ppm; light tar-like odor |
| 1400 | PID perimeter check |
| 1403 | SAM 2 VOC installed |
| 1405 | SAM 3 VOC installed |
| 1410 | SAM 1 VOC installed |
| 1413 | SAM 5 VOC installed |
| 1415 | SAM 4 VOC installed |
| 1420 | PID perimeter check = 0.0 ppm; no odors |
| 1451 | SAM 2 K-factor = 0.269 |
| 1454 | SAM 3 K-factor = 0.270<br>SAM 1 K-factor not adjusted due to invalid sample |
| 1501 | SAM 5 K-factor = 0.368 |
| 1503 | SAM 4 K-factor = 0.269 |
| 1520 | PID perimeter check = 0.0 ppm; no odors |
| 1600 | PID perimeter check |
| 1620 | PID perimeter check = 0.0 ppm; no odors |
| 1700 | End of Day; all personnel offsite<br>Shipping PUFF and PASSIVE samples via FedEx |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 40 | 29.74 | | X | | | | | N | 100% | 13 | SW | Overcast |
| 0800 | 39 | 29.75 | | X | | | | | N | 100% | 13 | SW | Overcast |
| 0900 | 39 | 29.76 | | X | | | | | N | 100% | 13 | SW | Overcast |
| 1000 | 40 | 29.77 | X | | | | | | N | 100% | 13 | SW | Overcast |
| 1100 | 40 | 29.77 | X | | | | | | N | 100% | 13 | SW | Overcast |
| 1200 | 42 | 29.76 | | X | | | | | N | 96% | 14 | SW | Overcast |
| 1300 | 43 | 29.75 | | X | | | | | N | 92% | 14 | SW | Overcast |
| 1400 | 44 | 29.77 | | X | | | | | N | 89% | 14 | SW | Overcast |
| 1500 | 44 | 29.77 | | X | | | | | N | 91% | 13 | SW | Overcast |
| 1600 | 44 | 29.78 | | X | | | | | N | 90% | 13 | SW | Overcast |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite H&S meeting<br>MET Tower offline; looking into issue |
| 0700 | Weather readings |
| 0730 | PID calibration: Passed |
| 0743 | SAM 1 DustTrak (DT) = 3.06 adjusted to 3.01 LPM |
| 0746 | SAM 3 DT – 3.06 adjusted to 2.99 LPM |
| 0747 | SAM 1 DT = 3.06 adjusted to 3.02 LPM |
| 0749 | SAM 5 DT = 3.04 adjusted to 3.00 LPM |
| 0751 | SAM 4 DT = 3.05 adjusted to 2.99 LPM |
| 0752 | PID perimeter check = 0.0 ppm overall<br>IMPL (A – B) = 0.2 – 0.3 ppm; strong tar-like odor. Dissipates before perimeter of site<br>SAM 2 = 0.1 ppm; tar-like odor |
| 0800 | PID perimeter check |
| 0820 | PID perimeter check = 0.0 ppm overall<br>IMPL (A – B) = 0.2 ppm; tar-like odor<br>IMPL (C) = 0.1 ppm; light tar-like odor<br>SAM 2 = 0.1 ppm; light tar-like/exhaust odor |
| 0900 | PID perimeter check |
| 0920 | PID perimeter check = 0.0 ppm overall<br>IMPL (A – B) = 0.3 ppm steady with an occasional jump to 0.7 ppm dissipating within 10 seconds; tar-like odor |

| | |
|---|---|
| | IMPL (C) = 0.2 ppm; tar-like odor<br>SAM 2 = 0.1 ppm; light tar-like odor |
| 1000 | PID perimeter check |
| 1020 | PID perimeter check = 0.0 ppm overall<br>IMPL (A – C) = 0.3 ppm; tar-like odor<br>SAM 2 = 0.1 ppm; tar-like odor<br>IMPL (L) = 0.1 ppm; tar-like odor |
| 1100 | PID perimeter check |
| 1120 | PID perimeter check =<br>IMPL (A – C) = 0.1 ppm; tar-like odor<br>SAM 2 = 0.0 ppm; tar-like odor |
| 1200 | PID perimeter check |
| 1220 | PID perimeter check = 0.0 ppm overall<br>IMPL (B – C) = 0.1 ppm; tar- like odor |
| 1300 | PID perimeter check |
| 1320 | PID perimeter check = 0.0 ppm overall<br>IMPL (A) = 0.1 ppm; tar-like odor<br>IMPL (B – D) = 0.3 ppm; tar-like odor<br>SAM 2 = 0.2 ppm; tar-like odor |
| 1400 | PID perimeter check |
| 1420 | PID perimeter check = 0.0 ppm overall<br>IMPL (B – C) = 0.2 ppm; tar-like odor<br>IMPL (D) = 0.1 ppm; tar-like odor |
| 1500 | PID perimeter check |
| 1520 | PID perimeter check = 0.0 ppm overall<br>IMPL (B – D) = 0.1 ppm; light tar-like odor |
| 1600 | No further soil disturbance.<br>PID = 0.0 ppm<br>IMPL (B – C) = 0.0 ppm; light tar-like odor dissipating quickly |
| 1700 | End of Day; all personnel offsite<br>No shipments |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 39 | 29.82 | | | X | | | | N | 100% | 12 | W | Overcast |
| 0800 | 39 | 29.83 | | | x | | | | N | 99% | 12 | W | Overcast |
| 0900 | 40 | 29.84 | X | | | | | | N | 98% | 13 | W | Overcast |
| 1000 | 49 | 29.83 | X | | | | | | N | 96% | 14 | W | Overcast |
| 1100 | 43 | 29.81 | X | | | | | | N | 91% | 15 | W | Overcast |
| 1200 | 45 | 29.80 | X | | | | | | N | 87% | 17 | W | Overcast |
| 1300 | 46 | 29.78 | X | | | | | | N | 83% | 18 | W | Overcast |
| 1400 | 48 | 29.77 | X | | | | | | N | 78% | 19 | W | Overcast |
| 1500 | 49 | 29.76 | X | | | | | | N | 73% | 21 | N | PC |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite H&S meeting<br>MET Tower offline; looking into issue |
| 0700 | Weather readings |
| 0730 | PID calibration: Passed |
| 0738 | SAM 2 DustTrak (DT) = 3.07 adjusted to 3.01 LPM |
| 0740 | SAM 2 VOC Removed |
| 0742 | SAM 2 SKC flow = 1.97 LPM |
| 0744 | SAM 3 DT = 2.99 LPM |
| 0745 | SAM 3 VOC Removed |
| 0746 | SAM 3 SKC flow = 1.98 LPM |
| 0747 | SAM 1 DT = 3.00 LPM |
| 0749 | SAM 1 VOC Removed |
| 0750 | SAM 1 SKC flow = 1.98 LPM |
| 0755 | SAM 5 DT = 3.01 LPM |
| 0756 | SAM VOC Removed |
| 0757 | SAM 5 SKC flow = 1.95 LPM |
| 0758 | SAM 4 DT = 2.97 adjusted to 3.00 LPM |
| 0759 | SAM 4 VOC Removed |

| | |
|---|---|
| 0800 | SAM 4 SKC flow = 1.98 LPM |
| 0805 | PID perimeter check = 0.0 ppm overall<br>IMPL (B – E) = 0.0 ppm; tar-like odor |
| 0820 | PID perimeter check = 0.0 ppm overall<br>IMPL (B – E) = 0.0 ppm; tar/exhaust-like odor |
| 0900 | PID perimeter check |
| 0920 | PID perimeter check: strong odor/reading on perimeters. Action being taken to reduce odor and readings.<br>IMPL (A) = 0.4 ppm; strong tar-like odor.<br>IMPL (B – D) = 0.5 – 7.6 ppm; strong tar-like odor. |
| 0940 | Odor reduced significantly<br>Readings dropping. |
| 1000 | PID perimeter check<br>IMPL (B) = 0.2 ppm; strong tar-like odor remains<br>IMPL (D – E) = 1.3 ppm; strong tar-like odor. |
| 1020 | PID perimeter check = 0.0 ppm overall<br>IMPL (B) = 0.2 ppm; strong tar-like odor remains<br>IMPL (D – E) = 0.3 – 1.0 ppm; strong tar-like odor.<br>Readings are sporadic and generally hover around 0.3 ppm. |
| 1040 | PID perimeter check = 0.0 ppm overall<br>IMPL (A – B) = 0.0 ppm; light tar-like odor<br>IMPL (C –D) = 0.1 – 0.3 ppm; light tar-like odor<br>IMPL (E) = 0.0 ppm – 0.4 ppm; light tar-like odor. |
| 1100 | PID perimeter check |
| 1120 | PID perimeter check = 0.0 ppm overall<br>IMPL (B – D) = 0.2 ppm; light tar-like odor<br>IMPL (E) = 0.3 ppm; light tar-like odor |
| 1200 | PID perimeter check |
| 1220 | PID perimeter check = 0.0 ppm overall<br>IMPL (E) = 0.1 – 0.2 ppm; light tar-like odor |
| 1300 | PID perimeter check |
| 1320 | PID perimeter check = 0.0 ppm<br>IMPL (B) = 0.1 ppm; light tar-like odor<br>IMPL (C) = 0.2 ppm; light tar-like odor<br>IMPL (D – E) = 0.2 ppm; tar-like odor |
| 1400 | PID perimeter check |
| 1420 | PID perimeter check = 0.0 ppm<br>IMPL(C – E) = 0.1 ppm; tar-like odor |
| 1500 | End of Day. No further readings<br>No sample shipments |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 24 | 30.28 | X | | | | | | N | 69% | 5 | N | S |
| 0800 | 25 | 30.30 | X | | | | | | N | 63% | 7 | N | S |
| 0900 | 30 | 30.31 | X | | | | | | N | 43% | 9 | NE | S |
| 1000 | 31 | 30.32 | X | | | | | | N | 39% | 8 | NE | S |
| 1100 | 33 | 30.32 | X | | | | | | N | 35% | 9 | NE | S |
| 1200 | 35 | 30.30 | X | | | | | | N | 33% | 8 | NE | S |
| 1300 | 39 | 30.27 | X | | | | | | N | 30% | 7 | N | S |
| 1400 | 40 | 30.26 | X | | | | | | N | 29% | 7 | NE | S |
| 1500 | 40 | 30.23 | X | | | | | | N | 30% | 7 | NE | S |
| 1600 | 41 | 30.22 | X | | | | | | N | 30% | 7 | NE | S |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite H&S meeting |
| 0700 | Weather readings |
| 0730 | PID calibration: Passed |
| 0748 | SAM 2 DT = 2.99 LPM |
| 0753 | SAM 2 SKC flow = 1.93 adjusted to 1.99 LPM |
| 0755 | SAM 2 VOC installed |
| 0757 | SAM 3 DT = 2.96 adjusted to 2.98 LPM |
| 0759 | SAM 3 SKC flow = 1.97 adjusted to 2.01 LPM |
| 0802 | SAM 3 VOC installed |
| 0805 | SAM 1 DT = 2.97 adjusted to 3.00 LPM |
| 0807 | SAM 1 SKC flow = 1.97 adjusted to 2.01 LPM |
| 0809 | SAM 1 VOC installed |
| 0814 | SAM 5 DT = 2.98 LPM |
| 0818 | SAM 5 SKC flow = 1.93 adjusted to 2.01 LPM |
| 0821 | SAM 5 OC installed |
| 0822 | SAM 4 DT = 2.90 adjusted to 3.00 LPM |
| 0824 | SAM 4 SKC flow = 1.90 adjusted to 2.00 LPM |

| | |
|---|---|
| 0826 | SAM 4 VOC installed |
| 0830 | PID perimeter check = 0.0 ppm<br>IMPL (D – F) = 0.1 ppm; exhaust-like odor |
| 0900 | PID perimeter check |
| 0920 | PID perimeter check =<br>IMPL (E – F) = 0.0 ppm; light exhaust/tar-like odor |
| 1000 | Rick Osa Onsite |
| 1041 | PID perimeter check |
| 1100 | PID perimeter check = 0.0 ppm<br>IMPL (E – F) = 0.0 ppm; light tar/exhaust-like odor |
| 1130 | SAM 2 DT = 2.93 adjusted to 3.00 LPM |
| 1135 | SAM 3 DT = 2.96 adjusted to 3.00 LPM |
| 1137 | SAM 1 DT = 2.97 adjusted to 3.00 LPM |
| 1142 | SAM 5 DT = 3.00 LPM |
| 1145 | SAM 4 DT = 3.05 adjusted to 2.99 LPM |
| 1155 | PID perimeter check = 0.0 ppm overall<br>IMPL (E – F) = 0.0 ppm; light tar-like odor<br>IMPL (K) = 0.0 ppm; light tar-like odor likely coming from open sewer bypass |
| 1230 | Rick Osa Offsite |
| 1240 | PID perimeter check = 0.0 ppm<br>IMPL (E – F) = 0.0 ppm; very light tar/exhaust like odor |
| 1330 | PID perimeter check = 0.0 ppm; no odors |
| 1400 | PID perimeter check |
| 1420 | PID perimeter check = 0.0 ppm; no odors |
| 1500 | PID perimeter check |
| 1520 | PID perimeter check = 0.0 ppm; no odors |
| 1600 | PID perimeter check |
| 1620 | PID perimeter check = 0.0 ppm; no odors |
| 1700 | End of Day; all personnel offsite<br>Shipping Puff samples from Friday (3/25/22) |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 32 | 30.17 | X | | | | | | N | 63% | 13 | E | Overcast |
| 0800 | 33 | 30.17 | X | | | | | | N | 61% | 14 | E | Overcast |
| 0900 | 35 | 30.14 | X | | | | | | N | 57% | 16 | SE | Overcast |
| 1000 | 37 | 30.14 | X | | | | | | N | 55% | 16 | SE | Overcast |
| 1100 | 39 | 30.10 | | | X | | | | N | 52% | 16 | SE | Overcast |
| 1200 | 42 | 30.08 | X | | | | | | N | 51% | 16 | SE | Overcast |
| 1300 | 41 | 30.08 | X | | | | | | N | 51% | 17 | SE | Overcast |
| 1400 | 44 | 30.00 | X | | | | | | N | 48% | 18 | SE | Overcast |
| 1500 | 45 | 29.96 | X | | | | | | N | 47% | 19 | SE | Overcast |
| 1600 | 46 | 29.93 | X | | | | | | N | 45% | 19 | SE | Overcast |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite H&S meeting |
| 0700 | Weather readings |
| 0730 | PID calibration: Passed |
| 0744 | SAM 2 DustTrak (DT) = 3.01 LPM |
| 0746 | SAM 3 DT = 3.07 adjusted to 3.01 LPM |
| 0747 | SAM 1 DT = 3.08 adjusted to 3.01 LPM |
| 0751 | SAM 5 DT = 3.00 LPM |
| 0752 | SAM 4 DT = 2.91 adjusted to 2.99 LPM |
| 0800 | PID perimeter check |
| 0820 | PID = 0.0 ppm; no odors |
| 0900 | PID perimeter check |
| 0920 | PID = 0.0 ppm<br>IMPL (J – K) = 0.0 ppm; light exhaust/tar-like odor<br>SAM 4 = 0.0 ppm; light exhaust/tar-like odor |
| 1000 | PID perimeter check |
| 1020 | PID = 0.0 ppm overall<br>IMPL (J) = 0.0 ppm; exhaust/tar-like odor<br>IMPL (K) = 0.2 ppm; exhaust/tar-like odor<br>SAM 4 = 0.2 ppm; Exhaust/tar-like odor |

| | |
|---|---|
| 1100 | PID perimeter check |
| 1120 | PID = 0.0 ppm overall<br>IMPL (J – K) = 0.1 ppm; tar/exhaust-like odor<br>SAM 4 = 0.1 ppm; light tar/exhaust-like odor |
| 1200 | PID perimeter check |
| 1220 | PID = 0.0 ppm overall<br>IMPL (J – L) = 0.1 ppm; Exhaust/tar-like odor<br>SAM 4 = 0.1 ppm; Exhaust/tar-like odor |
| 1300 | PID perimeter check |
| 1320 | PID = 0.0 ppm overall<br>IMPL (J – L) = 0.1 ppm; Tar/exhaust-like odor |
| 1400 | PID perimeter check |
| 1420 | PID = 0.0 ppm overall<br>IMPL (H – I) = 0.1 ppm; Exhaust/tar-like odor<br>IMPL (J – K) = 0.2 ppm; Tar/exhaust-like odor<br>SAM 4 = 0.2 ppm; Tar/exhaust-like odor |
| 1500 | PID perimeter check |
| 1520 | PID = 0.0 ppm overall<br>IMPL (H – I) = 0.1 ppm; Exhaust/tar-like odor<br>IMPL (J – K) = 0.2 ppm; Tar/exhaust-like odor<br>SAM 4 = 0.2 ppm; Tar/exhaust-like odor |
| 1600 | PID perimeter check |
| 1620 | IMPL (H – L) = 0.0 ppm; Exhaust/tar-like odor<br>SAM 4 = 0.0 ppm; Tar/exhaust-like odor |
| 1700 | End of Day; all personnel offsite |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 03/29/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 53 | 29.56 | X | | | | | | N | 87% | 17 | S | Overcast |
| 0800 | 56 | 29.54 | X | | | | | | N | 89% | 18 | S | Overcast |
| 0900 | 58 | 29.53 | X | | | | | | N | 89% | 20 | S | Overcast |
| 1000 | 60 | 29.50 | | X | | | | | N | 86% | 22 | S | Overcast |
| 1100 | 65 | 29.47 | | X | | | | | N | 85% | 24 | S | Overcast |
| 1200 | 68 | 29.40 | X | | | | | | N | 81% | 28 | S | Overcast |
| 1300 | 67 | 29.39 | | X | | | | | N | 82% | 25 | S | Overcast |
| 1400 | 68 | 29.38 | | X | | | | | N | 75% | 28 | S | Overcast |
| 1500 | 64 | 29.34 | | X | | | | | N | 92% | 23 | S | Overcast |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite H&S meeting |
| 0700 | Weather readings |
| 0730 | PID calibration: Passed |
| 0738 | SAM 2 DustTrak (DT) = 3.00 LPM |
| 0740 | SAM 2 VOC Removed |
| 0741 | SAM 2 SKC flow = 2.07 adjusted to 2.00 LPM |
| 0751 | SAM 3 DT = 2.99 LPM |
| 0753 | SAM 3 VOC Removed |
| 0754 | SAM 3 SKC flow = 2.05 adjusted 2.01 LPM |
| 0756 | SAM 1 DT = 2.97 adjusted to 3.01 LPM |
| 0758 | SAM 1 VOC Removed |
| 0800 | SAM 1 SKC flow = 2.07 adjusted to 2.02 LPM |
| 0801 | SAM 5 DT = 2.97 adjusted to 3.00 LPM |
| 0802 | SAM 5 VOC Removed |
| 0803 | SAM 5 SKC flow = 2.07 adjusted to 2.02 LPM |
| 0804 | SAM 4 DT = 3.09 adjusted to 3.00 LPM |
| 0805 | SAM 4 VOC Removed |
| 0808 | SAM 4 SKC flow = 2.09 adjusted to 2.00 LPM |

| | |
|---|---|
| 0820 | PID = 0.0 ppm overall<br>IMPL (K – L) = 0.2 ppm; tar-like odor |
| 0900 | PID perimeter check |
| 0920 | PID = 0.0 ppm overall<br>IMPL (L) = 0.2 ppm; tar-like odor |
| 1000 | PID perimeter check |
| 1020 | No readings during this time period due to lightening stand down. |
| 1100 | PID perimeter check withheld due to lightning storm |
| 1154 | SAM 2 VOC installed |
| 1156 | SAM 3 VOC installed |
| 1159 | SAM 1 VOC installed |
| 1203 | SAM 5 VOC installed |
| 1205 | SAM 4 VOC installed |
| 1220 | PID = 0.0 ppm<br>IMPL (J – L) = 0.0 ppm; tar-like odor<br>SAM 4 = 0.0 ppm; tar-like odor |
| 1300 | PID perimeter check |
| 1320 | PID = 0.0 ppm<br>IMPL (J – L) = 0.0 ppm; light tar-like odor<br>SAM 4 = 0.0 ppm; light tar-like odor |
| 1400 | PID perimeter check |
| 1420 | PID = 0.0 ppm<br>IMPL (C) = 0.0 ppm; light exhaust/tar-like odor |
| 1500 | End of Day; all personnel offsite<br>Puff VOC sample shipment |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 03/30/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 37 | 29.44 | X | | | | | | N | 89% | 19 | W | Overcast |
| 0800 | 37 | 29.46 | X | | | | | | N | 90% | 19 | W | Overcast |
| 0900 | 37 | 29.47 | | | X | | | | N | 89% | 18 | W | Overcast |
| 1000 | 38 | 29.52 | | | X | | | | N | 87% | 18 | W | Overcast |
| 1100 | 38 | 29.53 | | | X | | | | N | 88% | 17 | W | Overcast |
| 1200 | 40 | 29.55 | | | X | | | | N | 87% | 16 | W | Overcast |
| 1300 | 40 | 29.55 | | | X | | | | N | 86% | 16 | W | Overcast |
| 1400 | 41 | 29.58 | | | X | | X | | N | 84% | 16 | SW | Overcast |
| 1500 | 42 | 29.58 | | | X | | | | N | 84% | 16 | NW | Overcast |
| 1600 | 42 | 29.60 | | | X | | | | N | 83% | 15 | W | Overcast |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite H&S meeting |
| 0700 | Weather readings |
| 0730 | PID calibration: Passed |
| 0741 | SAM 2 DustTrak (DT) = 3.07 adjusted to 2.99 LPM |
| 0742 | SAM 4 DT = 3.04 adjusted to 3.00 LPM |
| 0747 | SAM 5 DT = 3.04 adjusted to 3.00 LPM |
| 0751 | SAM 3 DT = 3.00 LPM |
| 0752 | SAM 1 DT = 3.00 LPM |
| 0755 | PID = 0.0 ppm overall<br>IMPL (B – F) = 0.3 ppm; strong tar-like odor<br>SAM 1 = 0.0 ppm; tar-like odor |
| 0800 | PID perimeter check |
| 0820 | PID = 0.0 ppm overall<br>IMPL (B – F) = 0.3 ppm; strong tar-like odor<br>SAM 1 = 0.0 ppm; tar-like odor |
| 0900 | PID perimeter check |
| 0920 | PID = 0.0 ppm overall<br>IMPL (B) = 0.1 ppm; tar-like odor<br>IMPL (C) = 0.3 ppm; tar-like odor |

| | |
|---|---|
| | IMPL (D – E) = 0.2 ppm; tar-like odor |
| 1000 | PID perimeter check |
| 1020 | PID = 0.0 ppm overall<br>IMPL (A) = 0.1 ppm; exhaust-like odor<br>IMPL (B) = 0.3 ppm; tar-like odor<br>IMPL (C) = 0.2 ppm; tar-like odor<br>IMPL (D) = 0.1 ppm; tar-like odor |
| 1100 | PID perimeter check |
| 1120 | PID = 0.0 ppm overall<br>IMPL (A – E) = 0.1 ppm; light tar-like odor |
| 1200 | PID perimeter check |
| 1220 | PID = 0.0 ppm overall<br>IMPL (B) = 0.1 ppm; tar-like odor<br>IMPL (C) = 0.2 ppm; tar-like odor<br>IMPL (D – E) = 0.1 ppm; tar-like odor |
| 1300 | PID perimeter check |
| 1320 | PID = 0.0 ppm<br>IMPL (C) = 0.2 ppm; tar/ammonia-like odor<br>IMPL (D – E) = 0.1; tar/ammonia-like odor |
| 1400 | PID perimeter check |
| 1420 | PID = 0.0 ppm overall<br>IMPL (B – D) = 0.2 ppm; tar/ammonia-like odor |
| 1500 | PID perimeter check |
| 1520 | PID = 0.0 ppm overall<br>IMPL (C) = 0.1 ppm |
| 1600 | PID perimeter check |
| 1620 | PID = 0.0 ppm overall<br>IMPL (B – D) = 0.1 ppm; tar/diesel-like odor |
| 1700 | End of Day; all personnel offsite<br>No sample shipment |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 32 | 29.98 | X | | | | | | N | 85% | 10 | NW | Overcast |
| 0800 | 33 | 29.99 | X | | | | | | N | 81% | 10 | NW | Overcast |
| 0900 | 35 | 30.03 | X | | | | | | N | 79% | 11 | NW | S |
| 1000 | 36 | 30.07 | X | | | | | | N | 75% | 11 | NW | PC |
| 1100 | 38 | 30.10 | X | | | | | | N | 71% | 11 | NW | PC |
| 1200 | 40 | 30.11 | X | | | | | | N | 67% | 9 | NW | Overcast |
| 1300 | 42 | 30.12 | X | | | | | | N | 63% | 8 | NW | PC |
| 1400 | 43 | 30.12 | X | | | | | | N | 62% | 7 | NW | PC |
| 1500 | 44 | 30.12 | X | | | | | | N | 60% | 6 | NW | PC |
| 1600 | 46 | 30.12 | X | | | | | | Y | 57% | 5 | NW | PC |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite H&S meeting |
| 0646 | SAM 2 Battery swap |
| 0654 | SAM 4 Battery swap |
| 0700 | Weather readings |
| 0701 | SAM 5 Battery swap |
| 0730 | PID calibration: Passed |
| 0749 | SAM 2 DustTrak (DT) = 3.00 LPM |
| 0750 | SAM 2 VOC Removed |
| 0751 | SAM 2 SKC flow = 1.96 LPM |
| 0753 | SAM 4 DT = 3.00 LPM |
| 0754 | SAM 4 VOC Removed |
| 0755 | SAM 4 SKC flow = 1.95 LPM |
| 0800 | SAM 5 DT = 3.00 LPM |
| 0802 | SAM 5 VOC Removed |
| 0803 | SAM 5 SKC flow = 1.95 LPM |
| 0806 | SAM 3 DT = 3.00 LPM |
| 0807 | SAM 3 VOC Removed |

| | |
|---|---|
| 0808 | SAM 3 SKC flow = 1.97 LPM |
| 0810 | SAM 1 DT = 3.02 LPM |
| 0812 | SAM 1 VOC Removed |
| 0813 | SAM 1 SKC flow = 1.93 LPM |
| 0830 | Sampled frac-tank 257732 ID: FT257732 – WW – 20220401 |
| 0840 | PID perimeter check = 0.0 ppm overall<br>IMPL (B – D) = 0.4 ppm; Heavy tar-like odor from load-out materials |
| 0900 | PID perimeter check |
| 0920 | PID = 0.0 ppm overall<br>IMPL (B – D) = 0.4 ppm; tar-like odor from loadout materials<br>IMPL (E) = 0.6 ppm; tar/heavy exhaust-like odor from trucks and loadout material<br>IMPL (F) = 0.4 ppm; exhaust-like odor |
| 1000 | PID perimeter check |
| 1020 | PID = 0.0 ppm overall<br>IMPL (A – B) = 0.1 ppm; tar-like odor<br>IMPL (C – D) = 0.2 ppm; tar-like odor<br>IMPL (E – F) = 0.1 ppm; tar/exhaust-like odor |
| 1100 | PID perimeter check |
| 1120 | PID = 0.0 ppm overall<br>IMPL (A – B) = 0.2 ppm; tar-like odor<br>IMPL (E) = 0.3 ppm; tar-like odor |
| 1200 | PID perimeter check |
| 1220 | PID = 0.0 ppm overall<br>IMPL (C – D) = 0.2 ppm; tar-like odor<br>IMPL (E) = 0.4 ppm; tar-like odor<br>IMPL (F) = 0.1 ppm; exhaust-like odor |
| 1300 | PID perimeter check |
| 1320 | PID = 0.0 ppm overall<br>IMPL (C – F) = 0.4 ppm; tar odor |
| 1400 | PID perimeter check |
| 1420 | PID = 0.0 ppm overall<br>IMPL (B – E) = 0.3 ppm; tar-like odor |
| 1500 | PID perimeter check |
| 1520 | PID = 0.0 ppm overall<br>IMPL (E – F) = 0.2 ppm; tar-like odor |
| 1600 | PID perimeter check |
| 1620 | PID = 0.0 ppm overall<br>IMPL (A – E) = 0.2 ppm; tar-like odor |
| 1700 | End of Day;<br>No sample shipments |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 48 | 28.9 | X | | | | | | N | 80 | 1.8 | S | S |
| 0800 | 50 | 28.9 | X | | | | | | Y | 71 | 5.1 | S | S |
| 0900 | 55 | 28.9 | X | | | | | | N | 71 | 6.0 | SW | S |
| 1000 | 57 | 28.9 | X | | | | | | N | 69 | 2.9 | NW | S |
| 1100 | 57 | 28.9 | X | | | | | | N | 69 | 4.3 | W | S |
| 1200 | 57 | 28.9 | X | | | | | | Y | 68 | 4.3 | W | S |
| 1300 | 57 | 28.9 | X | | | | | | N | 66 | 6.9 | W | S |
| 1400 | 56 | 28.9 | X | | | | | | Y | 65 | 9.6 | W | S |
| 1500 | 54 | 28.9 | X | | | | | | N | 61 | 6.5 | N | S |
| 1600 | 54 | 28.9 | X | | | | | | N | 60 | 6.7 | N | S |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | ERM & 06 Environmental onsite for site-wide Health & Safety tailgate meeting. |
| 0650 | Calibrate PID – passed zero & span calibration |
| 0700 | Update weather log and walk perimeter with PID – no hits/ odor. |
| 0800 | Update weather log and walk perimeter with PID – no hits/ odor. |
| 0900 | Update weather log and walk perimeter with PID – 0.1ppm at SAM2 & IPML(A) locations & hydrocarbon-like odor near excavation. |
| 1000 | Update weather log and walk perimeter with PID – 0.1ppm at SAM2 & IPML(A) locations & hydrocarbon-like odor near excavation. |
| 1045 | Checked DustTrak & SKC pump flows and installed PUF samples at all SAM locations. Calibrated DustTrak and SKC pump flows at all SAM locations as necessary. |
| 1130 | Update weather log and walk perimeter with PID – 0.1ppm throughout site (all SAM & IPML locations). Strong hydrocarbon-like odor throughout site. |
| 1230 | Update weather log and walk perimeter with PID – 0.1ppm throughout site (all SAM & IPML locations). Strong hydrocarbon-like odor throughout site. |
| 1400 | Update weather log and walk perimeter with PID – 0.1ppm throughout site (all SAM & IPML locations). Strong hydrocarbon-like odor throughout site. |
| 1500 | Update weather log and walk perimeter with PID – 0.1ppm throughout site (all SAM & IPML locations). Strong hydrocarbon-like odor throughout site. |
| 1600 | Update weather log and walk perimeter with PID – 0.1ppm throughout site (all SAM & IPML locations). Strong hydrocarbon-like odor throughout site. |
| 1625 | Prep samples to be delivered to FedEx |
| 1645 | ERM and 06 Environmental have end of day meeting. |

| | |
|---|---|
| 1700 | All personnel offsite. |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 04/04/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 39 | 28.9 | X | | | | | | N | 91 | 4.5 | E | S |
| 0800 | 41 | 28.9 | X | | | | | | N | 87 | 7.2 | E | S |
| 0900 | 42 | 28.9 | X | | | | | | N | 87 | 8.9 | E | PC |
| 1000 | 47 | 28.8 | X | | | | | | N | 84 | 6.7 | E | PC |
| 1100 | 49 | 28.8 | X | | | | | | N | 83 | 3.4 | SE | PC |
| 1200 | 49 | 28.8 | X | | | | | | N | 89 | 2.7 | S | C |
| 1300 | 48 | 28.8 | | | X | | | | N | 95 | 1.1 | SE | C |
| 1400 | 48 | 28.8 | | | X | | | | N | 96 | 7.4 | SE | C |
| 1500 | 48 | 28.8 | | | X | | | | N | 97 | 6.7 | E | C |
| 1600 | 51 | 28.8 | | | X | | | | N | 96 | 6.7 | N | C |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | ERM & 06 Environmental onsite for site-wide Health & Safety tailgate meeting. |
| 0700 | Update weather log and perform perimeter walk with PID – no hits/ odor. |
| 0800 | Update weather log and perform perimeter walk with PID – no hits/ odor. |
| 0900 | Update weather log and perform perimeter walk with PID – no hits/ odor. |
| 1000 | Update weather log and perform perimeter walk with PID – no hits/ odor. |
| 1100 | Update weather log and perform perimeter walk with PID – no hits/ odor. |
| 1200 | Update weather log and perform perimeter walk with PID – no hits/ odor. |
| 1230 | Precipitation begins. |
| 1300 | Update weather log and perform perimeter walk with PID – no hits/ odor. |
| 1445 | Update weather log and perform perimeter walk with PID – no hits/ odor. |
| 1530 | Update weather log and perform perimeter walk with PID – no hits/ odor. |
| 1615 | Update weather log and perform perimeter walk with PID – no hits/ odor. |
| 1640 | Measured DustTrak flow at all SAM locations and calibrated as necessary. |
| 1700 | All personnel offsite. |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 44 | 28.7 | | X | | | | | N | 98 | 6.9 | NW | C |
| 0800 | 44 | 28.7 | | X | | | | | N | 99 | 2.5 | S | C |
| 0900 | 44 | 28.7 | | | X | | | | N | 98 | 4.5 | SW | C |
| 1000 | 45 | 28.7 | X | | | | | | N | 95 | 8.9 | W | C |
| 1100 | 49 | 28.7 | X | | | | | | N | 89 | 6.9 | W | PC |
| 1200 | 51 | 28.7 | X | | | | | | N | 81 | 8.9 | W | PC |
| 1300 | 54 | 28.7 | X | | | | | | N | 67 | 8.1 | W | S |
| 1400 | 55 | 28.7 | X | | | | | | N | 61 | 4.5 | S | S |
| 1500 | 59 | 28.7 | X | | | | | | N | 54 | 5.4 | W | S |
| 1600 | 58 | 28.7 | X | | | | | | N | 52 | 9.4 | W | S |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | ERM & 06 Environmental onsite for site-wide Health & Safety tailgate meeting. |
| 0650 | Calibrate PID meter. |
| 0700 | Update weather log and walk perimeter with PID – no hits/ odor. |
| 0800 | Update weather log and walk perimeter with PID – no hits/ odor. |
| 0900 | Update weather log and walk perimeter with PID – no hits/ odor. |
| 1000 | Swap PUF/ 13A & passive/ 325B samples, check flow of DustTraks and SKC pumps and apply impactor oil to all SAM locations |
| 1130 | Update weather log and walk perimeter with PID – no hits/ odor. |
| 1215 | Update weather log and walk perimeter with PID – no hits/ odor. |
| 1300 | Update weather log and walk perimeter with PID – no hits/ odor. |
| 1400 | Update weather log and walk perimeter with PID – no hits/ odor. |
| 1500 | Update weather log and walk perimeter with PID – no hits/ odor. |
| 1600 | Update weather log and walk perimeter with PID – no hits/ odor. |
| 1615 | Packed up PUF and passive samples and delivered to FedEx for shipping to the lab. |
| 1645 | ERM and 06 Environmental has end of day meeting to discuss the plan for tomorrow. |
| 1700 | All personnel offsite |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 39 | 28.8 | X | | | | | | N | 88 | 4.3 | S | S |
| 0800 | 40 | 28.8 | X | | | | | | N | 81 | 5.3 | SW | PC |
| 0900 | 44 | 28.8 | X | | | | | | Y | 63 | 9.6 | W | C |
| 1000 | 44 | 28.8 | X | | | | | | N | 62 | 8.1 | N | C |
| 1100 | 44 | 28.8 | X | | | | | | N | 57 | 9.2 | SW | C |
| 1200 | 45 | 28.8 | X | | | | | | Y | 55 | 11.9 | W | C |
| 1300 | 46 | 28.8 | X | | | | | | N | 52 | 10.3 | W | C |
| 1400 | 44 | 28.7 | | | X | | | | N | 62 | 9.2 | W | C |
| 1500 | 45 | 28.7 | | | X | | | | N | 59 | 17.9 | W | C |
| 1600 | 43 | 28.7 | | | X | | | | N | 64 | 7.8 | W | C |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | ERM, Feutz & 06 Environmental onsite for site-wide Health & Safety tailgate meeting. |
| 0650 | Calibrated PID. 06 plan to finish compaction and test |
| 0700 | Updated weather conditions log and performed perimeter walk with PID – no hits/ odor. |
| 0800 | Updated weather conditions log and performed perimeter walk with PID – no hits/ odor. |
| 0900 | Updated weather conditions log and performed perimeter walk with PID – SAM 1 & 3 and IMPL D through H read 0.1 ppm after Feutz began installing MH. |
| 1000 | Updated weather conditions log and performed perimeter walk with PID – All SAM & IPML locations read 0.1ppm. |
| 1100 | Updated weather conditions log and performed perimeter walk with PID – All SAM & IPML locations read 0.1ppm. |
| 1200 | Updated weather conditions log and performed perimeter walk with PID – All SAM & IPML locations read 0.1ppm. |
| 1300 | Updated weather conditions log and performed perimeter walk with PID – no hits. |
| 1400 | Updated weather conditions log and performed perimeter walk with PID – no hits. |
| 1500 | Updated weather conditions log and performed perimeter walk with PID – no hits. |
| 1600 | Updated weather conditions log and performed perimeter walk with PID – no hits. |
| 1645 | End of day meeting with ERM and 06 Environmental |
| 1700 | All personnel offsite. |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 36 | 28.8 | X | | | | | | N | 97 | 3.9 | W | C |
| 0800 | 35 | 28.8 | X | | | | | | N | 95 | 3.4 | W | C |
| 0900 | 36 | 28.8 | X | | | | | | N | 94 | 5.1 | W | C |
| 1000 | 38 | 28.8 | | | | | X | | N | 83 | 2.5 | W | C |
| 1100 | 37 | 28.8 | X | | | | | | N | 83 | 6.5 | NW | C |
| 1200 | 38 | 28.8 | X | | | | | | N | 90 | 2.0 | NE | C |
| 1300 | 38 | 28.8 | X | | | | | | N | 83 | 5.4 | NW | C |
| 1400 | 39 | 28.8 | X | | | | | | N | 83 | 4.7 | W | C |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | ERM, Feutz & 06 Environmental onsite for site-wide Health & Safety tailgate meeting. |
| 0650 | Calibrated PID meter: bump test = 97.0ppm (passed). |
| 0700 | Weather log update & PID perimeter walk – no hits. |
| 0800 | Weather log update & PID perimeter walk – no hits. |
| 0900 | Weather log update & PID perimeter walk – no hits. |
| 1000 | Began removing PUF samples and checking DustTrak flows at all SAM locations. Also turned off SKC pumps at SAM # 2, 4, & 5. |
| 1100 | Weather log update & PID perimeter walk – no hits. |
| 1200 | Weather log update & PID perimeter walk – no hits. |
| 1300 | Weather log update & PID perimeter walk – no hits. |
| 1400 | Weather log update & PID perimeter walk – no hits. |
| 1500 | Marshall offsite. No sewer installation planned for rest of the day. |
| 1700 | Remaining personnel offsite. |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 56 | 28.9 | X | | | | | | N | 64 | 2.7 | N | C |
| 0800 | 55 | 29.0 | | | X | | | | N | 59 | 4.7 | N | C |
| 0900 | 56 | 28.9 | X | | | | | | N | 50 | 2.7 | NW | C |
| 1000 | 58 | 28.9 | X | | | | | | N | 47 | 8.1 | N | C |
| 1100 | 59 | 29.0 | X | | | | | | N | 46 | 2.5 | NW | C |
| 1200 | 61 | 29.1 | X | | | | | | N | 62 | 2.5 | S | C |
| 1300 | 63 | 29.0 | X | | | | | | N | 41 | 1.6 | NE | C |
| 1400 | 61 | 29.1 | X | | | | | | N | 44 | 2.2 | NW | C |
| 1500 | 59 | 29.1 | X | | | | | | N | 51 | 2.7 | NW | C |
| 1600 | 58 | 29.2 | X | | | | | | N | 56 | 4.3 | NW | C |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | ERM, Feutz & 06 Environmental onsite for site-wide Health & Safety tailgate meeting. |
| 0650 | Calibrated PID – bump test = 104.2ppm (passed) |
| 0700 | Weather log update & PID perimeter walk – no hits/ odor. |
| 0800 | Weather log update & PID perimeter walk – no hits/ odor. |
| 0900 | Weather log update & PID perimeter walk – no hits/ odor. |
| 1000 | Weather log update & PID perimeter walk – no hits/ odor. |
| 1030 | Installed new PUF samples & checked DustTrak and SKC pump flow rates at all SAM locations |
| 1130 | Weather log update & PID perimeter walk – no hits/ odor. |
| 1215 | Weather log update & PID perimeter walk – no hits/ odor. |
| 1300 | Weather log update & PID perimeter walk – no hits/ odor. |
| 1400 | Weather log update & PID perimeter walk – no hits/ odor. |
| 1500 | Weather log update & PID perimeter walk – no hits/ odor. |
| 1600 | Weather log update & PID perimeter walk – no hits/ odor. |
| 1645 | End of day meeting with ERM, Feutz & 06 Environmental |
| 1700 | All personnel offsite. |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 49 | 29.1 | X | | | | | | X | 77 | 3.8 | E | C |
| 0800 | 52 | 29.1 | X | | | | | | X | 68 | 9.8 | E | S |
| 0900 | 58 | 29.1 | X | | | | | | X | 67 | 3.4 | S | S |
| 1000 | 60 | 29.1 | X | | | | | | X | 74 | 10.7 | SE | PC |
| 1100 | 65 | 29.1 | X | | | | | | X | 71 | 5.8 | SE | PC |
| 1200 | 66 | 29.0 | X | | | | | | X | 72 | 8.3 | S | C |
| 1300 | 65 | 29.0 | X | | | | | | X | 78 | 5.4 | SE | C |
| 1400 | 64 | 29.0 | X | | | | | | X | 82 | 8.9 | SE | C |
| 1500 | 64 | 29.0 | X | | | | | | X | 87 | 6.3 | SE | C |
| 1600 | 63 | 29.0 | X | | | | | | X | 90 | 9.4 | S | C |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | ERM, Feutz & 06 Environmental onsite for site-wide Health & Safety tailgate meeting. |
| 0650 | Calibrated PID – bump test = 100ppm (passed) |
| 0700 | Weather log update & PID perimeter walk – no hits/ odor. |
| 0800 | Weather log update & PID perimeter walk – no hits/ odor. |
| 0900 | Weather log update & PID perimeter walk – no hits/ odor. |
| 1000 | Weather log update & PID perimeter walk – no hits/ odor. |
| 1100 | Weather log update & PID perimeter walk – no hits/ odor. |
| 1200 | Weather log update & PID perimeter walk – no hits/ odor. |
| 1300 | Weather log update & PID perimeter walk – no hits/ odor. |
| 1400 | Weather log update & PID perimeter walk – no hits/ odor. |
| 1500 | Weather log update & PID perimeter walk – no hits/ odor. |
| 1600 | Weather log update & PID perimeter walk – no hits/ odor. |
| 1645 | All personnel have end of day meeting to discuss the plans for tomorrow. |
| 1700 | All personnel offsite. |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 62 | 28.8 | X | | | | | | N | 96 | 6.0 | SW | C |
| 0800 | 62 | 28.8 | | X | | | | | N | 99 | 3.1 | S | C |
| 0900 | | | | X | | | | | N | | | | C |
| 1000 | | | X | | | | | | N | | | | C |
| 1100 | 62 | 28.8 | X | | | | | | N | 99 | 1.8 | SW | C |
| 1200 | 66 | 28.8 | | X | | | | | N | 95 | 3.4 | SW | C |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | ERM & Nick and Tyler with 06 Environmental onsite for H&S meeting. |
| 0650 | Calibrated PID. |
| 0700 | Weather log update and PID perimeter walk – no hits/ odor. |
| 0800 | Weather log update and PID perimeter walk – no hits/ odor. Met tower and SAM 1 and 3 went down when power was turned off onsite. |
| 0815 | Swap PUF samples & check SKC pump and DustTrak flows at all SAM locations |
| 0900 | Weather log update and PID perimeter walk – no hits/ odor. |
| 0930 | Apply impactor oil to all DustTrak inlets at all SAM locations |
| 1000 | Weather log update and PID perimeter walk – no hits/ odor. |
| 1100 | Weather log update and PID perimeter walk – no hits/ odor. SAM#1 , 3, and Met tower back online. |
| 1200 | Weather log update and PID perimeter walk – no hits/ odor. |
| 1230 | Marshall offsite to deliver PUF samples to FedEx. No more work planned for the day. |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 36 | 29.0 | X | | | | | | N | 90 | 9.2 | SW | PC |
| 0800 | 38 | 29.0 | X | | | | | | N | 84 | 6.3 | SW | PC |
| 0900 | 45 | 29.1 | X | | | | | | N | 71 | 7.4 | SW | S |
| 1000 | 47 | 29.1 | X | | | | | | N | 62 | 3.6 | SW | S |
| 1100 | 49 | 29.1 | X | | | | | | N | 5 | 10.1 | W | S |
| 1200 | 53 | 29.1 | X | | | | | | N | 46 | 3.4 | SW | S |
| 1300 | 54 | 29.1 | X | | | | | | N | 35 | 5.1 | SW | S |
| 1400 | 55 | 29.1 | X | | | | | | N | 38 | 12.3 | SW | S |
| 1500 | 57 | 29.1 | X | | | | | | N | 32 | 10.7 | W | S |
| 1600 | 57 | 29.1 | X | | | | | | N | 32 | 14.5 | W | S |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | ERM, Feutz & 06 Environmental onsite for site-wide Health & Safety tailgate meeting. |
| 0650 | Calibrate PID meter. |
| 0700 | Weather log update & PID perimeter check – no hits/ odor. |
| 0800 | Weather log update & PID perimeter check – no hits/ odor. |
| 0830 | SAM#2 offline – swapped battery and turned back on SKC pump. SAM#2 online. |
| 0845 | Swapped power source of SAM #1, #3, & MET tower. Reset MET tower – both SAM locations and MET tower online. |
| 0900 | Weather log update & PID perimeter check – no hits/ odor. |
| 0930 | SAM#2 offline – swapped battery and fixed loose wiring from Solar Charge Connector. |
| 1000 | Weather log update & PID perimeter check – no hits/ odor. |
| 1100 | Weather log update & PID perimeter check – no hits/ odor. |
| 1200 | Weather log update & PID perimeter check – no hits/ odor. |
| 1300 | Weather log update & PID perimeter check – no hits/ odor. |
| 1400 | Weather log update & PID perimeter check – no hits/ odor. |
| 1430 | Checked DustTrak flows at all SAM locations and calibrated as necessary. |
| 1500 | Weather log update & PID perimeter check – no hits/ odor. |
| 1600 | Weather log update & PID perimeter check – no hits/ odor. |
| 1700 | All personnel offsite |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 04/14/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in. Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 46 | 29.1 | X | | | | | | N | 62 | 0.9 | SW | S |
| 0800 | 50 | 29.1 | X | | | | | | N | 55 | 1.1 | S | S |
| 0900 | 54 | 29.1 | X | | | | | | Y | 50 | 3.8 | SW | S |
| 1000 | 56 | 29.0 | X | | | | | | N | 46 | 6.7 | SW | S |
| 1100 | 58 | 29.0 | X | | | | | | N | 46 | 5.1 | S | S |
| 1200 | 63 | 28.9 | X | | | | | | Y | 40 | 6.7 | W | S |
| 1300 | 64 | 28.9 | X | | | | | | N | 39 | 3.4 | SW | PC |
| 1400 | 65 | 28.9 | X | | | | | | Y | 39 | 14.3 | S | PC |
| 1500 | 63 | 28.9 | X | | | | | | Y | 42 | 9.2 | SW | PC |
| 1600 | 63 | 28.9 | X | | | | | | Y | 41 | 9.0 | SW | PC |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | ERM, Feutz & 06 Environmental onsite for site-wide Health & Safety tailgate meeting. |
| 0650 | Calibrated PID. Passed. |
| 0700 | Weather log update & PID perimeter check – no hits/ odors. |
| 0800 | Weather log update & PID perimeter check – no hits/ odors. |
| 0830 | GWM inventory – applied reflective stakes to wells onsite/ near eventual top-soil addition. |
| 0900 | Weather log update & PID perimeter check – no hits/ odors. |
| 1000 | Weather log update & PID perimeter check – no hits/ odors. |
| 1020 | Checked DustTrak flow, removed PUF samples and turned off SKC pump at all SAM locations. |
| 1100 | Weather log update & PID perimeter check – no hits/ odors. |
| 1200 | Weather log update & PID perimeter check – no hits/ odors. |
| 1300 | Weather log update & PID perimeter check – no hits/ odors. |
| 1400 | Weather log update & PID perimeter check – no hits/ odors. |
| 1500 | Weather log update & PID perimeter check – no hits/ odors. |
| 1600 | Marshall offsite. |
| 1700 | All personnel offsite. |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

# `Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 34 | 30.14 | X | | | | | | N | 95% | 7 | NW | Overcast |
| 0800 | 35 | 30.15 | X | | | | | | N | 96% | 8 | N | Overcast |
| 0900 | 37 | 30.14 | | | X | | | | N | 91% | 10 | NW | Overcast |
| 1000 | 39 | 30.13 | | | X | | | | N | 89% | 12 | NW | Overcast |
| 1100 | 40 | 30.12 | X | | | | | | N | 86% | 14 | W | Overcast |
| 1200 | 41 | 30.11 | X | | | | | | N | 81% | 15 | W | Overcast |
| 1300 | 42 | 30.10 | X | | | | | | N | 76% | 19 | W | Overcast |
| 1400 | 43 | 30.09 | X | | | | | | N | 70% | 20 | W | Overcast |
| 1500 | 44 | 30.08 | X | | | | | | N | 65% | 20 | W | Overcast |
| 1600 | 44 | 30.09 | X | | | | | | N | 60% | 22 | NW | Overcast |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite |
| 0645 | H&S meeting |
| 0710 | Josh (ERM) offsite for sample pickup |
| 0725 | Josh (ERM) onsite with sample pickup |
| 0745 | PID calibration: Passed |
| 0828 | SAM 3 DustTrak (DT) = 3.07 adjusted to 3.01 LPM |
| 0829 | SAM 3 SKC flow = 2.04 adjusted to 2.02 LPM |
| 0832 | SAM 3 VOC installed |
| 0834 | SAM 1 DT = 3.07 adjusted to 3.00 LPM |
| 0835 | SAM 1 SKC flow = 1.97 adjusted to 2.01 LPM |
| 0835 | SAM 1 VOC installed |
| 0843 | SAM 2 DT = 3.03 adjusted to 2.99 LPM |
| 0845 | SAM 2 SKC flow = 1.93 adjusted to 2.00 LPM |
| 0847 | SAM 2 VOC installed |
| 0848 | SAM 4 DT = 3.00 LPM |
| 0849 | SAM 4 SKC flow = 1.93 adjusted to 2.00 LPM |
| 0851 | SAM 4 VOC installed |

| | |
|---|---|
| 0900 | SAM 5 DT = 2.98 adjusted to 3.00 LPM |
| 0902 | SAM 5 SKC flow = 1.95 adjusted to 2.01 LPM |
| 0904 | SAM 5 VOC installed |
| 0905 | PID perimeter check = 0.0 ppm; no odors |
| 1000 | PID perimeter check = 0.0 ppm; no odors |
| 1100 | PID perimeter check = 0.0 ppm; no odors |
| 1200 | PID perimeter check = 0.0 ppm; no odors |
| 1225 | Josh (ERM) offsite for lunch |
| 1245 | Josh (ERM) onsite with lunch |
| 1300 | PID perimeter check = 0.0 ppm; no odors |
| 1400 | PID perimeter check = 0.0 ppm; no odors |
| 1500 | PID perimeter check = 0.0 ppm; no odors |
| 1600 | PID perimeter check = 0.0 ppm; no odors<br>End of Day; All personnel offsite |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 04/18/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 33 | 30.25 | X | | | | | | N | 75% | 11 | W | S |
| 0800 | 36 | 30.27 | X | | | | | | N | 72% | 11 | NW | S |
| 0900 | 37 | 30.27 | X | | | | | | N | 71% | 11 | NW | S |
| 1000 | 40 | 30.29 | X | | | | | | N | 69% | 11 | NW | S |
| 1100 | 43 | 30.29 | X | | | | | | N | 63% | 11 | NW | S |
| 1200 | 44 | 30.28 | X | | | | | | N | 57% | 11 | NW | S |
| 1300 | 46 | 30.27 | X | | | | | | N | 51% | 11 | NW | S |
| 1400 | 48 | 30.26 | X | | | | | | N | 48% | 11 | NW | S |
| 1500 | 50 | 30.25 | X | | | | | | N | 45% | 10 | W | S |
| 1600 | 51 | 30.23 | X | | | | | | N | 43% | 9 | W | S |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite |
| 0645 | H&S meeting |
| 0730 | PID calibration: Passed |
| 0755 | SAM 3 DustTrak (DT) = 3.01 LPM |
| 0756 | SAM 1 DT = 3.01 LPM |
| 0802 | SAM 2 DT = 3.04 adjusted to 3.02 |
| 0806 | SAM 4 DT = 3.01 LPM |
| 0807 | SAM 5 DT = 3.02 LPM |
| 0815 | PID perimeter check = 0.0 ppm; no odors |
| 0900 | PID perimeter check = 0.0 ppm; no odors |
| 1000 | PID perimeter check = 0.0 ppm; no odors |
| 1100 | PID perimeter check = 0.0 ppm; no odors |
| 1200 | PID perimeter check = 0.0 ppm; no odors |
| 1300 | PID perimeter check = 0.0 ppm; no odors |
| 1400 | PID perimeter check = 0.0 ppm; no odors |
| 1500 | PID perimeter check = 0.0 ppm; no odors |
| 1600 | PID perimeter check = 0.0 ppm; no odors |

| | |
|---|---|
| 1700 | End of Day<br>All personnel offsite<br>No Sample Shipment |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 04/19/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 44 | 30.16 | | | X | | | | N | 69% | 15 | SE | Overcast |
| 0800 | 45 | 30.16 | | X | | | | | N | 70% | 14 | SE | Overcast |
| 0900 | 46 | 30.16 | | X | | | | | N | 71% | 15 | SE | Overcast |
| 1000 | 47 | 30.14 | | | X | | | | N | 72% | 17 | SE | Overcast |
| 1100 | 50 | 30.10 | | | X | | | | N | 68% | 19 | SE | Overcast |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite |
| 0645 | H&S meeting |
| 0650 | PID calibration: Passed |
| 0703 | SAM 5 DustTrak (DT) = 3.07 adjusted to 3.00 LPM |
| 0705 | SAM 5 VOC Removed |
| 0706 | SAM 5 SKC flow = 2.02 LPM |
| 0707 | SAM 4 DT = 3.03 adjusted to 3.00 LPM |
| 0708 | SAM 4 VOC Removed |
| 0709 | SAM 4 SKC flow = 2.02 LPM |
| 0715 | SAM 2 DT = 2.96 adjusted to 3.01 LPM |
| 0717 | SAM 2 VOC Removed |
| 0718 | SAM 2 SKC flow = 2.04 adjusted to 1.99 LPM |
| 0724 | SAM 3 DT = 2.94 adjusted to 3.00 LPM |
| 0726 | SAM 3 VOC Removed |
| 0727 | SAM 3 SKC flow = 1.99 LPM |
| 0728 | SAM 1 DT = 2.95 adjusted to 3.01 LPM |
| 0730 | SAM 1 VOC Removed |
| 0731 | SAM 1 SKC flow = 1.99 LPM |
| 0742 | SAM 3 VOC Installed |
| 0745 | SAM 1 VOC Installed |
| 0750 | SAM 2 VOC Installed |
| 0751 | SAM 4 VOC Installed |

| | |
|---|---|
| 0755 | SAM 5 VOC Installed |
| 0810 | SAM 5 Passive Removed (ID: 1167619) |
| 0813 | SAM 5 Passive Installed (ID: 1166969) |
| 0816 | SAM 4 Passive Removed (ID: 1167529) |
| 0818 | SAM 4 Passive Installed (ID: 1166965) |
| 0821 | SAM 2 Passive Removed (ID: 1150254) |
| 0823 | SAM 2 Passive Installed (ID: 1166885) |
| 0827 | SAM 3 Passive Removed (ID: 1167074) |
| 0830 | SAM 3 Passive Installed (ID: 1166889) |
| 0831 | SAM 1 Passive Removed (ID: 1141603) |
| 0833 | SAM 1 Passive Installed (ID: 1153944) |
| 0835 | PID perimeter check = 0.0 ppm; no odors |
| 0900 | PID perimeter check = 0.0 ppm; no odors |
| 1000 | PID perimeter check = 0.0 ppm; no odors |
| 1100 | PID perimeter check = 0.0 ppm; no odors |
| 1200 | End of Day; no operations continuing<br>Shipping Passive and Puff Samples via FedEx |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 04/20/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 53 | 30.10 | X | | | | | | N | 92% | 11 | SW | Overcast |
| 0800 | 54 | 30.13 | X | | | | | | N | 90% | 11 | W | Overcast |
| 0900 | 55 | 30.17 | X | | | | | | N | 87% | 10 | NW | Overcast |
| 1000 | 56 | 30.20 | X | | | | | | N | 84% | 10 | W | PC |
| 1100 | 60 | 30.23 | X | | | | | | N | 76% | 10 | W | S |
| 1200 | 63 | 30.25 | X | | | | | | N | 69% | 9 | W | S |
| 1300 | 65 | 30.26 | X | | | | | | N | 61% | 8 | W | S |
| 1400 | 69 | 30.27 | X | | | | | | N | 50% | 7 | W | S |
| 1500 | 71 | 30.27 | X | | | | | | N | 45% | 7 | W | S |
| 1600 | 72 | 30.27 | X | | | | | | N | 41% | 6 | NW | S |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite |
| 0645 | H&S meeting |
| 0730 | PID calibration: Passed |
| 0802 | SAM 5 DustTrak (DT) = 2.94 adjusted to 3.00 LPM |
| 0803 | SAM 4 DT = 2.96 adjusted to 2.99 LPM |
| 0806 | SAM 2 DT = 3.01 LPM |
| 0810 | SAM 3 DT = 2.99 LPM |
| 0811 | SAM 1 DT = 2.99 LPM |
| 0815 | PID perimeter check = 0.0 ppm; no odors |
| 0900 | PID perimeter check = 0.0 ppm; no odors |
| 1000 | PID perimeter check = 0.0 ppm; no odors |
| 1040 | Jason Maska (ERM) onsite for April Audit |
| 1049 | SAM 5 DT flow verification = 2.97 LPM |
| 1055 | SAM 4 DT flow verification = 2.97 LPM |
| 1109 | SAM 2 DT flow verification = 3.03 LPM |
| 1114 | SAM 1 DT flow verification = 3.00 LPM |
| 1119 | SAM 3 DT flow verification = 2.99 LPM |

| | |
|---|---|
| 1120 | PID perimeter check = 0.0 ppm; no odors |
| 1200 | PID perimeter check = 0.0 ppm; no odors |
| 1240 | Jason Maska (ERM) offsite |
| 1300 | PID perimeter check = 0.0 ppm; no odors |
| 1400 | PID perimeter check = 0.0 ppm; no odors |
| 1500 | PID perimeter check = 0.0 ppm; no odors |
| 1600 | PID perimeter check = 0.0 ppm; no odors |
| 1700 | End of Day; all personnel offsite<br>No sample shipment |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 04/21/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 54 | 30.34 | X | | | | | | N | 100% | 10 | SE | Overcast |
| 0800 | 55 | 30.22 | | X | | | | | N | 100% | 10 | SE | Overcast |
| 0900 | 57 | 30.32 | | | X | | | | N | 100% | 11 | SE | Overcast |
| 1000 | 58 | 30.30 | X | | | | | | N | 100% | 13 | SE | Overcast |
| 1100 | 59 | 30.28 | X | | | | | | N | 98% | 14 | SE | Overcast |
| 1200 | 62 | 30.27 | X | | | | | | N | 97% | 15 | SE | Overcast |
| 1300 | 65 | 30.24 | X | | | | | | N | 93% | 17 | SE | PC |
| 1400 | 71 | 30.20 | X | | | | | | N | 87% | 18 | SE | PC |
| 1500 | 72 | 30.18 | X | | | | | | N | 83% | 17 | S | PC |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite |
| 0645 | H&S meeting |
| 0730 | PID calibration: Passed |
| 0750 | PID perimeter check = 0.0 ppm; no odors |
| 0815 | Lightning stand down |
| 0900 | SAM 5 DustTrak (DT) = 3.01 LPM |
| 0902 | SAM 5 VOC Removed |
| 0903 | SAM 5 SKC flow = 2.04 LPM |
| 0904 | SAM 4 DT = 3.02 LPM |
| 0906 | SAM 4 VOC Removed |
| 0908 | SAM 4 SKC flow = 2.06 LPM |
| 0934 | SAM 2 DT = 3.01 LPM |
| 0936 | SAM 2 VOC Removed |
| 0937 | SAM 2 SKC flow = 2.01 LPM |
| 0938 | SAM 3 DT = 2.98 LPM |
| 0939 | SAM 3 VOC Removed |
| 0940 | SAM 3 SKC flow = 2.01 LPM |
| 0942 | SAM 1 DT = 3.01 LPM |

| | |
|---|---|
| 0943 | SAM 1 VOC Removed |
| 0944 | SAM 1 SKC flow = 2.00 LPM |
| 0945 | PID perimeter check = 0.0 ppm; no odors |
| 1000 | PID perimeter check = 0.0 ppm; no odors |
| 1100 | PID perimeter check = 0.0 ppm; no odors |
| 1200 | PID perimeter check = 0.0 ppm; no odors |
| 1300 | PID perimeter check = 0.0 ppm; no odors |
| 1400 | PID perimeter check = 0.0 ppm; no odors |
| 1500 | PID perimeter check = 0.0 ppm; no odors |
| 1600 | End of Day; all personnel offsite<br>No sample shipments |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 04/22/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 52 | 30.03 | X | | | | | | N | 72% | 6 | W | Overcast |
| 0800 | 51 | 30.05 | X | | | | | | N | 68% | 10 | NW | Overcast |
| 0900 | 50 | 30.06 | X | | | | | | N | 68% | 11 | NW | Overcast |
| 1000 | 50 | 30.08 | X | | | | | | N | 67% | 12 | NW | Overcast |
| 1100 | 53 | 30.09 | X | | | | | | N | 59% | 13 | W | PC |
| 1200 | 55 | 30.10 | X | | | | | | N | 54% | 15 | W | PC |
| 1300 | 56 | 30.11 | X | | | | | | N | 51% | 16 | W | PC |
| 1400 | 55 | 30.12 | X | | | | | | N | 52% | 16 | W | Overcast |
| 1500 | 55 | 30.11 | X | | | | | | N | 53% | 16 | W | Overcast |
| 1600 | 54 | 30.13 | X | | | | | | N | 52% | 17 | W | Overcast |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite |
| 0645 | H&S meeting |
| 0730 | PID calibration: Passed |
| 0745 | PID perimeter check = 0.0 ppm; no odors |
| 0756 | SAM 3 DustTrak (DT) = 3.01 LPM |
| 0757 | SAM 3 SKC flow = 2.02 LPM |
| 0800 | SAM 3 VOC installed |
| 0802 | SAM 1 DT = 3.00 LPM |
| 0803 | SAM 1 SKC flow = 1.99 LPM |
| 0805 | SAM 1 VOC installed |
| 0811 | SAM 2 DT = 3.02 LPM |
| 0812 | SAM 2 SKC flow = 2.01 LPM |
| 0813 | SAM 2 VOC installed |
| 0815 | SAM 4 DT = 3.00 LPM |
| 0818 | SAM 4 SKC flow = 2.03 adjusted to 2.00 LPM |
| 0820 | SAM 4 VOC installed |
| 0827 | SAM 5 DT = 3.00 LPM |

| | |
|---|---|
| 0829 | SAM 5 SKC flow = 2.03 adjusted to 2.00 LPM |
| 0831 | SAM 5 VOC installed |
| 0835 | PID perimeter check = 0.0 ppm; no odors |
| 0900 | PID perimeter check = 0.0 ppm; no odors |
| 1000 | PID perimeter check = 0.0 ppm; no odors |
| 1100 | PID perimeter check = 0.0 ppm; no odors |
| 1130 | Michael Abegg and Casey Burnstein (ERM) onsite for groundwater sampling |
| 1200 | PID perimeter check = 0.0 ppm; no odors |
| 1300 | PID perimeter check = 0.0 ppm; no odors |
| 1400 | PID perimeter check = 0.0 ppm; no odors |
| 1500 | PID perimeter check = 0.0 ppm; no odors |
| 1600 | PID perimeter check = 0.0 ppm; no odors<br>End of Day; all personnel offsite<br>Shipping Puff samples via FedEx |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 04/25/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 36 | 30.34 | X | | | | | | N | 69% | 12 | NW | S |
| 0800 | 36 | 30.35 | X | | | | | | N | 66% | 13 | NW | S |
| 0900 | 39 | 30.35 | X | | | | | | N | 61% | 13 | NW | S |
| 1000 | 40 | 30.35 | X | | | | | | N | 58% | 13 | NW | S |
| 1100 | 43 | 30.36 | X | | | | | | N | 54% | 13 | NW | S |
| 1200 | 45 | 30.36 | X | | | | | | N | 49% | 14 | NW | S |
| 1300 | 48 | 30.35 | X | | | | | | N | 45% | 14 | NW | S |
| 1400 | 51 | 30.33 | X | | | | | | N | 40% | 15 | NW | S |
| 1500 | 53 | 30.31 | X | | | | | | N | 43% | 16 | NW | S |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite |
| 0645 | H&S meeting |
| 0730 | PID calibration: Passed |
| 0750 | PID perimeter check = 0.0 ppm; no odors |
| 0807 | SAM 3 DustTrak (DT) = 3.06 adjusted to 3.01 LPM |
| 0809 | SAM 1 DT = 3.06 adjusted to 3.00 LPM |
| 0814 | SAM 2 DT = 3.06 adjusted to 3.00 LPM |
| 0815 | SAM 4 DT = 3.00 LPM |
| 0818 | SAM 5 DT = 3.01 LPM |
| 0850 | PID perimeter check = 0.0 ppm; no odors |
| 0930 | PID perimeter check = 0.0 ppm; no odors |
| 1000 | PID perimeter check = 0.0 ppm; no odors |
| 1100 | PID perimeter check = 0.0 ppm; no odors |
| 1200 | PID perimeter check = 0.0 ppm; no odors |
| 1300 | PID perimeter check = 0.0 ppm; no odors |
| 1400 | PID perimeter check = 0.0 ppm; no odors |
| 1500 | PID perimeter check = 0.0 ppm; no odors |
| 1530 | End of Day; all personnel offsite |

| | |
|---|---|
| | No sample shipments |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 04/26/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 37 | 30.34 | X | | | | | | N | 77% | 7 | E | S |
| 0800 | 39 | 30.34 | X | | | | | | N | 74% | 7 | E | S |
| 0900 | 43 | 30.34 | X | | | | | | N | 68% | 7 | E | S |
| 1000 | 49 | 30.32 | X | | | | | | N | 58% | 6 | E | S |
| 1100 | 50 | 30.32 | X | | | | | | N | 56% | 6 | E | S |
| 1200 | 54 | 30.29 | X | | | | | | N | 49% | 5 | SE | S |
| 1300 | 59 | 30.26 | X | | | | | | N | 46% | 4 | SE | S |
| 1400 | 60 | 30.25 | X | | | | | | N | 44% | 4 | SE | S |
| 1500 | 64 | 30.21 | X | | | | | | N | 40% | 4 | SE | PC |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite |
| 0645 | H&S meeting |
| 0730 | PID calibration: Passed |
| 0750 | PID perimeter check = 0.0 ppm; no odors |
| 0802 | SAM 3 DustTrak (DT) = 3.01 LPM |
| 0804 | SAM 3 VOC Removed |
| 0806 | SAM 3 SKC flow = 2.04 adjusted to 2.00 LPM |
| 0808 | SAM 3 VOC Installed |
| 0810 | SAM 1 DT = 2.95 adjusted to 3.00 LPM |
| 0812 | SAM 1 VOC Removed |
| 0813 | SAM 1 SKC flow = 2.01 LPM |
| 0815 | SAM 1 VOC Installed |
| 0820 | SAM 2 DT = 2.96 adjusted to 3.00 LPM |
| 0822 | SAM 2 VOC Removed |
| 0824 | SAM 2 SKC flow = 2.00 LPM |
| 0825 | SAM 2 VOC Installed |
| 0826 | SAM 4 DT = 2.99 LPM |
| 0827 | SAM 4 VOC Removed |

| | |
|---|---|
| 0828 | SAM 4 SKC flow = 2.00 LPM |
| 0829 | SAM 4 VOC Installed |
| 0836 | SAM 5 DT = 2.98 LPM |
| 0838 | SAM 5 VOC Removed |
| 0840 | SAM 5 SKC flow = 1.99 LPM |
| 0842 | SAM 5 VOC Installed |
| 0900 | PID perimeter check = 0.0 ppm; no odors |
| 1000 | PID perimeter check = 0.0 ppm; no odors |
| 1100 | PID perimeter check = 0.0 ppm; no odors |
| 1200 | PID perimeter check = 0.0 ppm; no odors |
| 1300 | PID perimeter check = 0.0 ppm; no odors |
| 1500 | PID perimeter check = 0.0 ppm; no odors |
| 1530 | End of Day; all personnel offsite<br>Shipping Puff samples via FedEx |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 04/27/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 46 | 30.20 | X | | | | | | N | 74% | 13 | SE | PC |
| 0800 | 48 | 30.19 | X | | | | | | N | 71% | 14 | SE | PC |
| 0900 | 52 | 30.18 | X | | | | | | N | 67% | 14 | SE | OC |
| 1000 | 55 | 30.18 | X | | | | | | N | 65% | 13 | SE | OC |
| 1100 | 57 | 30.17 | | | X | | | | N | 62% | 13 | SE | OC |
| 1200 | 60 | 30.15 | X | | | | | | N | 58% | 12 | SE | OC |
| 1300 | 61 | 30.13 | X | | | | | | N | 56% | 12 | SE | OC |
| 1400 | 62 | 30.11 | | X | | | | | N | 55% | 11 | SE | OC |
| 1500 | 63 | 30.08 | X | | | | | | N | 57% | 11 | SE | OC |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite |
| 0645 | H&S meeting |
| 0730 | PID calibration: Passed |
| 0749 | SAM 3 DustTrak (DT) = 2.97 adjusted to 3.00 LPM |
| 0752 | SAM 1 DT = 3.00 LPM |
| 0756 | SAM 2 DT = 3.00 LPM |
| 0758 | SAM 4 DT = 3.01 LPM |
| 0802 | SAM 5 DT = 3.00 LPM |
| 0820 | PID perimeter check = 0.0 ppm; no odors |
| 0900 | PID perimeter check = 0.0 ppm; no odors |
| 1000 | PID perimeter check = 0.0 ppm; no odors |
| 1100 | PID perimeter check = 0.0 ppm; no odors |
| 1200 | PID perimeter check = 0.0 ppm; no odors |
| 1300 | PID perimeter check = 0.0 ppm; no odors |
| 1400 | PID perimeter check = 0.0 ppm; no odors |
| 1500 | PID perimeter check = 0.0 ppm; no odors |
| 1530 | End of Day; all personnel offsite<br>No sample shipments |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 04/28/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 52 | 30.07 | X | | | | | | N | 73% | 12 | SE | OC |
| 0800 | 53 | 30.07 | X | | | | | | N | 72% | 13 | SE | OC |
| 0900 | 56 | 30.05 | X | | | | | | N | 65% | 14 | SE | OC |
| 1000 | 58 | 30.03 | X | | | | | | N | 60% | 14 | SE | PC |
| 1100 | 64 | 30.02 | X | | | | | | N | 52% | 15 | SE | PC |
| 1200 | 66 | 30.02 | X | | | | | | N | 48% | 15 | SE | OC |
| 1300 | 69 | 30.00 | X | | | | | | N | 42% | 16 | SE | OC |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite |
| 0700 | H&S meeting |
| 0800 | PID calibration: Passed |
| 0819 | SAM 3 DustTrak (DT) = 2.98 LPM |
| 0820 | SAM 3 VOC Removed |
| 0821 | SAM 3 SKC flow = 2.02 LPM |
| 0822 | SAM 3 Passive Removed (ID: 1166889) |
| 0825 | SAM 1 DT = 2.99 LPM |
| 0827 | SAM 1 VOC Removed |
| 0829 | SAM 1 SKC flow = 2.03 adjusted to 2.01 LPM |
| 0830 | SAM 1 Passive Removed (ID: 1153944) |
| 0836 | SAM 2 DT = 3.00 LPM |
| 0838 | SAM 2 VOC Removed |
| 0840 | SAM 2 SKC flow = 2.04 adjusted to 2.00 LPM |
| 0841 | SAM 2 Passive Removed (ID: 1166885) |
| 0842 | SAM 4 DT = 3.00 LPM |
| 0843 | SAM 4 VOC Removed |
| 0843 | SAM 4 SKC flow = 2.03 adjusted to 2.01 LPM |
| 0844 | SAM 4 Passive Removed |
| 0850 | SAM 5 DT = 2.98 LPM |

| | |
|---|---|
| 0853 | SAM 5 VOC Removed |
| 0854 | SAM 5 SKC flow = 2.05 adjusted to 1.99 LPM |
| 0854 | SAM 5 Passive Removed (ID: 1166969) |
| 0950 | **Post Remediation Sampling Started** |
| 0955 | SAM 3 Passive Installed (ID: 1155791) |
| 0957 | SAM 1 Passive Installed (ID: 1153876) |
| 1000 | SAM 2 Passive Installed (ID: 1155768) |
| 1004 | SAM 4 Passive Installed (ID: 1155820) |
| 1007 | SAM 5 Passive Installed (ID: 1155885) |
| 1115 | SAM 1 VOC installed |
| 1119 | SAM 3 VOC installed |
| 1123 | SAM 2 VOC installed |
| 1125 | SAM 4 VOC installed |
| 1130 | SAM 5 VOC installed |
| 1145 | Morning PID perimeter check = 0.0 ppm; no odors |
| 1300 | PID perimeter check = 0.0 ppm; no odors |
| 1330 | ERM offsite |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 04/29/2022

# Air Monitoring Field Log

**Client Company: ERM**

**Site Location: Champaign 5th Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | | | | | | | | | | | | | |
| 0800 | | | | | | | | | | | | | |
| 0900 | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | |
| 1100 | | | | | | | | | | | | | |
| 1200 | | | | | | | | | | | | | |
| 1300 | | | | | | | | | | | | | |
| 1400 | | | | | | | | | | | | | |
| 1500 | | | | | | | | | | | | | |
| 1600 | | | | | | | | | | | | | |

## Site Activity Log

| Time | Activity |
|---|---|
| 0800 | Onsite Weekend<br>PID calibration: Passed |
| 0830 | Morning PID perimeter check = 0.0 ppm; no odors<br>Josh (ERM) offsite |
| 1400 | Afternoon PID perimeter check = 0.0 ppm; no odors<br>Dropping off trailer for field office supplies |
| 1500 | SAM 2 Battery = 99%<br>SAM 4 Battery = 99%<br>SAM 5 Battery = 96% |
| 1530 | Josh (ERM) offsite<br>NOTE: Weather not recorded for this day due to travel for trailer. |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Completed by: Joshua Richards Date: 04/30/2022 Reviewed: _____

# Air Monitoring Field Log

**Client Company: ERM**

**Site Location: Champaign 5th Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 53 | 983.7 | X | | | | | | N | 77% | 4 | SW | PC |
| 0800 | 54 | 983.8 | X | | | | | | N | 75% | 5 | W | PC |
| 0900 | 55 | 984.4 | X | | | | | | N | 72% | 7 | W | PC |
| 1000 | 54 | 984.6 | X | | | | | | N | 74% | 8 | W | PC |
| 1100 | 54 | 985.1 | X | | | | | | N | 72% | 9 | W | PC |
| 1200 | 54 | 985.4 | X | | | | | | N | 69% | 8 | SW | PC |
| 1300 | 54 | 985.7 | X | | | | | | N | 69% | 7 | W | PC |
| 1400 | 55 | 986.3 | X | | | | | | N | 68% | 7 | W | PC |
| 1500 | 55 | 986.8 | X | | | | | | N | 68% | 6 | W | PC |
| 1600 | 56 | 986.8 | X | | | | | | N | 63% | 5 | W | PC |

## Site Activity Log

| Time | Activity |
|---|---|
| 1000 | Josh (ERM) onsite<br>PID calibration: Passed |
| 1020 | PID perimeter check = 0.0 ppm; no odors<br>SAM 5 DustTrak (DT) = 2.98 LPM<br>SAM 4 DT = 3.00 LPM<br>SAM 2 DT = 2.99 LPM<br>SAM 3 DT = 2.95 adjusted to 3.01 LPM<br>SAM 1 DT = 2.99 LPM |
| 1030 | Josh (ERM) offsite |
| 1300 | Josh (ERM) onsite<br>PID perimeter check = 0.0 ppm; no odors |
| 1320 | Josh (ERM) offsite. |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Completed by: Joshua Richards Date: 05/01/2022 Reviewed: _____

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 45 | 30.09 | X | | | | | | N | 84% | 7 | W | S |
| 0800 | 48 | 30.10 | X | | | | | | N | 80% | 7 | W | S |
| 0900 | 51 | 30.10 | X | | | | | | N | 74% | 6 | W | S |
| 1000 | 52 | 30.09 | X | | | | | | N | 71% | 6 | W | S |
| 1100 | 56 | 30.08 | X | | | | | | N | 64% | 6 | W | S |
| 1200 | 60 | 30.07 | X | | | | | | N | 55% | 6 | SW | PC |
| 1300 | 63 | 30.06 | X | | | | | | N | 49% | 7 | SW | PC |
| 1400 | 65 | 30.05 | X | | | | | | N | 48% | 7 | SW | PC |
| 1500 | 66 | 30.04 | X | | | | | | N | 48% | 7 | SW | PC |
| 1600 | 67 | 30.02 | X | | | | | | N | 47% | 7 | SW | PC |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite |
| 0700 | H&S meeting |
| 0730 | PID calibration: Passed |
| 0802 | SAM 3 DustTrak (DT) = 3.01 LPM |
| 0805 | SAM 3 VOC Removed |
| 0806 | SAM 3 SKC flow = 1.99 LPM |
| 0808 | SAM 1 DT = 2.97 adjusted to 3.00 LPM |
| 0810 | SAM 1 VOC Removed |
| 0811 | SAM 1 SKC flow = 1.99 LPM |
| 0820 | SAM 2 DT = 2.99 LPM |
| 0822 | SAM 2 VOC Removed |
| 0824 | SAM 2 SKC flow = 1.97 adjusted to 1.99 LPM |
| 0825 | SAM 4 DT = 2.97 adjusted to 2.99 LPM |
| 0827 | SAM 4 VOC Removed |
| 0829 | SAM 4 SKC flow = 1.99 LPM |
| 0836 | SAM 5 DT = 2.94 adjusted to 3.01 LPM |
| 0840 | SAM 5 SKC flow = 1.99 LPM |

| | |
|---|---|
| 0900 | PID perimeter check = 0.0 ppm; no odors |
| 0930 | SAM 3 VOC Installed |
| 0932 | SAM 1 VOC Installed |
| 0939 | SAM 2 VOC Installed |
| 0940 | SAM 4 VOC Installed |
| 0947 | SAM 5 VOC Installed |
| 1000 | PID perimeter check = 0.0 ppm; no odors |
| 1100 | PID perimeter check = 0.0 ppm; no odors |
| 1200 | PID perimeter check = 0.0 ppm; no odors |
| 1230 | ERM onsite to remove Puf samples and PM10 as post remediation sampling has been competed for these.<br>Performing final flow verifications |
| 1256 | SAM 1 DT = 2.96 LPM<br>SAM 3 DT = 2.94 LPM |
| 1257 | SAM 1 VOC Removed |
| 1258 | SAM 1 SKC flow = 2.03 LPM |
| 1300 | SAM 3 DT = 2.94 LPM |
| 1301 | SAM 3 VOC Removed |
| 1302 | SAM 3 SKC flow = 2.07 LPM |
| 1307 | SAM 2 DT = 2.98 LPM |
| 1309 | SAM 2 VOC Removed |
| 1310 | SAM 2 SKC flow = 2.08 LPM |
| 1312 | SAM 4 DT = 3.01 LPM |
| 1314 | SAM 4 VOC Removed |
| 1315 | SAM 4 SKC flow = 2.07 LPM |
| 1320 | SAM 5 DT = 3.03 LPM |
| 1321 | SAM 5 VOC Removed |
| 1322 | SAM 5 SKC flow = 2.06 LPM |
| 1330 | ERM finished performing flow readings and analytics<br>Beginning SAM station breakdowns<br>Taking: DustTraks, SKC pumps<br>Leaving: Passive Samples, Fencing |
| 1340 | PID perimeter check = 0.0 ppm; no odors |
| 1400 | PID perimeter check = 0.0 ppm; no odors |
| 1500 | PID perimeter check = 0.0 ppm; no odors |
| 1600 | PID perimeter check = 0.0 ppm; no odors |
| 1700 | End of Day; all personnel offsite<br>Shipping: 5 Passive samples, 15 Puff samples (Friday, Sat/Sun, Monday) via FedEx. |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 05/02/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 60 | 29.67 | X | | | | | | N | 100% | 10 | SW | OC |
| 0800 | 62 | 29.67 | X | | | | | | N | 100% | 13 | SW | OC |
| 0900 | 63 | 29.67 | X | | | | | | N | 100% | 15 | SW | OC |
| 1000 | 64 | 29.67 | X | | | | | | N | 100% | 15 | SW | OC |
| 1100 | 65 | 29.68 | | X | | | | | N | 100% | 15 | SW | OC |
| 1200 | 66 | 29.69 | | X | | | | | N | 99% | 16 | W | OC |
| 1300 | 65 | 29.71 | X | | | | | | N | 100% | 16 | W | OC |
| 1400 | 63 | 29.73 | X | | | | | | N | 100% | 15 | W | OC |
| 1500 | 62 | 29.75 | X | | | | | | N | 100% | 14 | W | OC |
| 1600 | 59 | 29.79 | X | | | | | | N | 98% | 14 | W | OC |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite |
| 0800 | Feutz onsite for equipment pickup<br>Morning PID perimeter check = 0.0 ppm; no odors |
| 0930 | Feutz offsite |
| 1250 | Ameren onsite |
| 1300 | Ameren offsite |
| 1330 | PID perimeter check = 0.0 ppm; no odors |
| 1700 | End daily monitoring |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 05/03/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 45 | 30.16 | X | | | | | | N | 87% | 9 | N | OC |
| 0800 | 46 | 30.17 | X | | | | | | N | 86% | 9 | N | OC |
| 0900 | 48 | 30.19 | X | | | | | | N | 84% | 9 | N | OC |
| 1000 | 50 | 30.19 | X | | | | | | N | 82% | 9 | N | OC |
| 1100 | 52 | 30.19 | X | | | | | | N | 81% | 9 | NE | OC |
| 1200 | 53 | 30.17 | X | | | | | | N | 82% | 9 | NE | OC |
| 1300 | 56 | 30.16 | X | | | | | | N | 79% | 9 | NE | OC |
| 1400 | 58 | 30.15 | X | | | | | | N | 75% | 9 | NE | OC |
| 1500 | 60 | 30.14 | X | | | | | | N | 73% | 7 | NE | OC |
| 1600 | 60 | 30.16 | X | | | | | | N | 72% | 6 | NE | OC |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite. Conducted H&S Meeting. |
| 0740 | Feutz onsite – saw cutting<br>American Water onsite |
| 0745 | American Water offsite |
| 0800 | Lighting people onsite |
| 0805 | Lighting people offsite |
| 0920 | Feutz (Bob) onsite |
| 1000 | PID Calibration: Passed<br>PID perimeter check = 0.0 ppm; no odors |
| 1200 | Ameren onsite |
| 1445 | PID perimeter check = 0.0 ppm; no odors |
| 1600 | End of Daily weather monitoring |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 05/04/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 52 | 30.03 | | | X | | | | N | 90% | 10 | E | OC |
| 0800 | 53 | 30.04 | | X | | | | | N | 90% | 11 | E | OC |
| 0900 | 53 | 30.01 | | | X | | | | N | 90% | 13 | E | OC |
| 1000 | 54 | 30.00 | | X | | | | | N | 89% | 13 | E | OC |
| 1100 | 55 | 29.99 | | X | | | | | N | 94% | 11 | E | OC |
| 1200 | 54 | 29.96 | | X | | | | | N | 100% | 11 | E | OC |
| 1300 | 54 | 29.95 | | X | | | | | N | 100% | 11 | E | OC |
| 1400 | 54 | 29.95 | | x | | | | | N | 100% | 11 | E | OC |
| 1500 | 53 | 29.94 | | X | | | | | N | 100% | 11 | E | OC |
| 1600 | 52 | 29.93 | | X | | | | | N | 100% | 11 | E | OC |

## Site Activity Log

| Time | Activity |
|---|---|
| 0800 | Onsite<br>PID calibration: Passed<br>Morning PID perimeter check = 0.0 ppm; no odors |
| 1300 | Afternoon PID perimeter check = 0.0 ppm; no odors |
| 1600 | End of Daily Post Remediation Air Monitoring<br>No sample shipment |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 05/05/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 51 | 29.65 | X | | | | | | N | 99% | 11 | NE | OC |
| 0800 | 51 | 29.65 | X | | | | | | N | 100% | 11 | NE | OC |
| 0900 | 51 | 29.65 | X | | | | | | N | 98% | 11 | NEE | OC |
| 1000 | 52 | 29.64 | | | X | | | | N | 96% | 11 | N | OC |
| 1100 | 53 | 29.63 | | | X | | | | N | 95% | 11 | N | OC |
| 1200 | 53 | 29.63 | X | | | | | | N | 94% | 12 | N | OC |
| 1300 | 54 | 29.63 | X | | | | | | N | 92 | 12 | N | OC |
| 1400 | 54 | 29.63 | X | | | | | | N | 90% | 13 | N | OC |
| 1500 | 54 | 29.63 | | X | | | | | N | 90% | 13 | N | OC |
| 1600 | 54 | 29.63 | X | | | | | | N | 89% | 13 | N | OC |

## Site Activity Log

| Time | Activity |
|---|---|
| 0700 | Onsite<br>PID calibration: Passed |
| 0800 | Morning PID perimeter check = 0.0 ppm; no odors |
| 1300 | Afternoon PID perimeter check = 0.0 ppm; no odors |
| 1600 | End of Daily Post Remediation Air Monitoring<br>No sample shipment |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 05/06/2022

# Air Monitoring Field Log

**Client Company: ERM**

**Site Location: Champaign 5th Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 55 | 29.92 | X | | | | | | N | 71% | 11 | NE | S |
| 0800 | 56 | 29.92 | X | | | | | | N | 69% | 13 | NE | S |
| 0900 | 56 | 29.92 | X | | | | | | N | 66% | 14 | NE | S |
| 1000 | 57 | 29.92 | X | | | | | | N | 64% | 15 | NE | S |
| 1100 | 59 | 29.92 | X | | | | | | N | 62% | 15 | NE | S |
| 1200 | 62 | 29.93 | X | | | | | | N | 56% | 14 | NE | S |
| 1300 | 65 | 29.93 | X | | | | | | N | 51% | 13 | NE | S |
| 1400 | 67 | 29.90 | X | | | | | | N | 43% | 14 | NE | S |
| 1500 | 67 | 29.90 | X | | | | | | N | 42% | 14 | NE | S |
| 1600 | 68 | 29.90 | X | | | | | | N | 41% | 13 | NE | S |

## Site Activity Log

| Time | Activity |
|---|---|
| 1050 | Onsite<br>PID calibration: Passed |
| 1100 | Morning PID perimeter check = 0.0 ppm; no odors |
| 1150 | Josh (ERM) offsite |
| 1300 | Josh (ERM) onsite<br>Afternoon PID perimeter check = 0.0 ppm; no odors |
| 1315 | Josh (ERM) offsite |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Completed by: Joshua Richards Date: 05/07/2022 Reviewed: _____

# Air Monitoring Field Log

**Client Company: ERM**

**Site Location: Champaign 5th Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 53 | 29.98 | X | | | | | | N | 81% | 12 | SE | PC |
| 0800 | 54 | 29.97 | X | | | | | | N | 77% | 13 | SE | PC |
| 0900 | 56 | 29.96 | X | | | | | | N | 71% | 14 | SE | PC |
| 1000 | 60 | 29.95 | X | | | | | | N | 64% | 15 | SE | PC |
| 1100 | 62 | 29.94 | X | | | | | | N | 56% | 15 | SE | PC |
| 1200 | 65 | 29.93 | X | | | | | | N | 50% | 16 | SE | PC |
| 1300 | 68 | 29.93 | X | | | | | | N | 46% | 17 | SE | PC |
| 1400 | 69 | 29.93 | X | | | | | | N | 45% | 17 | SE | OC |
| 1500 | 71 | 29.88 | X | | | | | | N | 41% | 19 | SE | S |
| 1600 | 71 | 29.86 | X | | | | | | N | 42% | 19 | SE | S |

## Site Activity Log

| Time | Activity |
|---|---|
| 1045 | Onsite<br>PID calibration: Passed |
| 1100 | Morning PID perimeter check = 0.0 ppm; no odors |
| 1300 | Afternoon PID perimeter check = 0.0 ppm; no odors |
| 1330 | Josh (ERM) offsite |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Completed by: Joshua Richards Date: 05/08/2022 Reviewed: _____

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 57 | 29.91 | X | | | | | | N | 90% | 15 | SE | OC |
| 0800 | 59 | 29.91 | X | | | | | | N | 87% | 17 | SE | OC |
| 0900 | 62 | 29.90 | X | | | | | | N | 81% | 18 | SE | PC |
| 1000 | 63 | 29.89 | X | | | | | | N | 80% | 18 | S | PC |
| 1100 | 67 | 29.90 | X | | | | | | N | 74% | 20 | S | PC |
| 1200 | 71 | 29.89 | X | | | | | | N | 67% | 23 | S | S |
| 1300 | 74 | 29.89 | X | | | | | | N | 65% | 23 | S | S |
| 1400 | 76 | 29.88 | X | | | | | | N | 60% | 24 | S | S |
| 1500 | 79 | 29.85 | X | | | | | | N | 60% | 25 | S | S |
| 1600 | 79 | 29.85 | X | | | | | | N | 62% | 24 | S | S |

## Site Activity Log

| Time | Activity |
|---|---|
| 0700 | Onsite |
| 0707 | CSL worker onsite |
| 0720 | CSL rigs onsite for pole installation |
| 0750 | PID calibration: Passed |
| 0800 | Morning PID perimeter check = 0.0 ppm, no odors |
| 0847 | CSL Auger onsite |
| 0925 | Concrete truck and USIC onsite |
| 1030 | 1 Light base in place |
| 1100 | CSL onsite |
| 1300 | Afternoon PID perimeter check = 0.0 ppm; no odors |
| 1600 | Offsite. |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 05/09/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 68 | 30.03 | X | | | | | | N | 100% | 13 | S | OC |
| 0800 | 71 | 30.06 | X | | | | | | N | 95% | 14 | S | OC |
| 0900 | 74 | 30.04 | X | | | | | | N | 85% | 14 | S | OC |
| 1000 | 76 | 30.05 | X | | | | | | N | 82% | 14 | S | PC |
| 1100 | 79 | 30.05 | X | | | | | | N | 77% | 15 | S | PC |
| 1200 | 82 | 30.05 | X | | | | | | N | 73% | 14 | S | PC |
| 1300 | 84 | 30.05 | X | | | | | | N | 70% | 14 | S | S |
| 1400 | 86 | 30.01 | X | | | | | | N | 66% | 14 | S | S |
| 1500 | 88 | 30.01 | X | | | | | | N | 61% | 14 | S | S |
| 1600 | 89 | 30.01 | X | | | | | | N | 59% | 14 | S | S |

## Site Activity Log

| Time | Activity |
|---|---|
| 0700 | Onsite<br>PID calibration: Passed |
| 0800 | Morning PID perimeter check = 0.0 ppm; no odors |
| 1300 | Afternoon PID perimeter check = 0.0 ppm; no odors |
| 1330 | Josh (ERM) offsite<br>Weather monitoring continues |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 05/10/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 71 | 30.12 | X | | | | | | N | 100% | 6 | S | PC |
| 0800 | 75 | 30.11 | X | | | | | | N | 94% | 6 | S | PC |
| 0900 | 77 | 30.14 | X | | | | | | N | 90% | 6 | S | PC |
| 1000 | 79 | 30.14 | X | | | | | | N | 85% | 6 | S | PC |
| 1100 | 82 | 30.14 | X | | | | | | N | 77% | 6 | S | PC |
| 1200 | 87 | 30.11 | X | | | | | | N | 65% | 5 | S | S |
| 1300 | 90 | 30.08 | X | | | | | | N | 58% | 6 | S | S |
| 1400 | 91 | 30.03 | X | | | | | | N | 54% | 7 | S | S |
| 1500 | 92 | 30.03 | X | | | | | | N | 52% | 7 | S | S |
| 1600 | 92 | 30.05 | X | | | | | | N | 52% | 9 | S | S |

## Site Activity Log

| Time | Activity |
|---|---|
| 0730 | Onsite<br>PID calibration: Passed<br>CSL onsite running light cables, etc.<br>Trucks dumping top-soil |
| 0827 | CCG onsite |
| 0944 | CSL and CCG offsite |
| 1000 | Morning PID perimeter check = 0.0 ppm; no odors |
| 1300 | Afternoon PID perimeter check = 0.0 ppm; no odors |
| 1600 | ERM offsite |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 05/11/2022

# Air Monitoring Field Log

**Client Company: Ameren Services**

**Site Location: Champaign MGP – Fifth Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 73 | 30.09 | X | | | | | | N | 89% | 9 | SE | S |
| 0800 | 76 | 30.09 | X | | | | | | N | 79% | 10 | SE | S |
| 0900 | 80 | 30.09 | X | | | | | | N | 66% | 11 | SE | S |
| 1000 | 81 | 30.08 | X | | | | | | N | 63% | 12 | SE | S |
| 1100 | 83 | 30.09 | X | | | | | | N | 57% | 12 | SE | S |
| 1200 | 86 | 30.07 | X | | | | | | N | 49% | 12 | SE | S |
| 1300 | 88 | 30.06 | X | | | | | | N | 44% | 11 | SE | S |
| 1400 | 89 | 30.05 | X | | | | | | N | 40% | 11 | SE | S |
| 1500 | 90 | 30.03 | X | | | | | | N | 40% | 11 | SE | S |
| 1600 | 90 | 30.02 | X | | | | | | N | 40% | 11 | SE | S |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite |
| 0800 | PID calibration: Passed<br>Morning PID perimeter check = 0.0 ppm; no odors |
| 1300 | Afternoon PID perimeter check = 0.0 ppm; no odors |
| 1600 | ERM offsite |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Date: 05/12/2022

# Air Monitoring Field Log

**Client Company: ERM**

**Site Location: Champaign 5th Street**

## Weather Conditions

**Cloud Cover:** S = Sunny (Clear); PC = Partly Cloudy; H = Hazy; D = Dusty

| Time | Temp. (°F) | Barometric Pressure (in Hg) | Precipitation (check one) | | | | | | Visible Dust | Humidity (%) | Wind | | Cloud Cover |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | None | Rain | Drizzle | Fog | Sleet | Snow | | | Speed | Direction* | |
| 0700 | 63 | 29.99 | X | | | | | | N | 81% | 7 | SE | S |
| 0800 | 68 | 30.00 | X | | | | | | N | 72% | 8 | SE | S |
| 0900 | 75 | 30.00 | X | | | | | | N | 56% | 8 | SE | S |
| 1000 | 80 | 29.99 | X | | | | | | N | 49% | 9 | S | S |
| 1100 | 82 | 29.99 | X | | | | | | N | 44% | 8 | S | S |
| 1200 | 86 | 29.97 | X | | | | | | N | 34% | 7 | S | S |
| 1300 | 86 | 29.97 | X | | | | | | N | 33% | 7 | S | S |
| 1400 | 87 | 29.96 | X | | | | | | N | 32% | 8 | SE | S |
| 1500 | 88 | 29.95 | X | | | | | | N | 30% | 8 | SE | S |
| 1600 | 88 | 29.90 | X | | | | | | N | 29% | 10 | SE | S |

## Site Activity Log

| Time | Activity |
|---|---|
| 0630 | Onsite |
| 0800 | PID calibration: Passed<br>Morning PID perimeter check = 0.0 ppm; no odors |
| 0814 | SAM 1 Passive Removed |
| 0815 | SAM 3 Passive Removed |
| 0818 | SAM 2 Passive Removed |
| 0820 | SAM 4 Passive Removed |
| 0822 | SAM 5 Passive Removed |
| 1300 | Afternoon PID perimeter check = 0.0 ppm; no odors |
| 1330 | Josh (ERM) offsite<br>Weather monitoring continuing. |
| 1700 | Final Day and End of Post Remediation Air Monitoring |

**Note:** This form is to be completed hourly during field activities.

- Wind Direction is the direction from which the wind is coming from.

Completed by: Joshua Richards Date: 05/13/2022 Reviewed: _____

ERM-Ameren-Form-AQ-001 Ver 0
Champaign, Illinois

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

| Date: 12/15/2021 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

## Passive Sample SAM #1

| | | | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| Sample Removed | Sample ID: | 211203-15-SAM1 | |
| | Time Removed: (CST) | 1330 | |
| | Date Removed: | 12/15/2021 | |
| Was the sample recapped with plug and stored in freezer? | | Yes | No |
| Time sample was put in the freezer: (CST) | | Not Recorded | |
| Sample Installed | Sample ID: | 211203-15-SAM1 | |
| | Time Installed: (CST) | 1400 | |
| | Date Installed: | 12/03/2021 | |

NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments:
Lab ID: 1141495

## Passive Sample SAM #3

| | | | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| Sample Removed | Sample ID: | 211203-15-SAM3 | |
| | Time Removed: (CST) | 1332 | |
| | Date Removed: | 12/17/2021 | |
| Was the sample recapped with plug and stored in freezer? | | Yes | No |
| Time sample was put in the freezer: (CST) | | Not Recorded | |
| Sample Installed | Sample ID: | 211203-15-SAM3 | |
| | Time Installed: (CST) | 1332 | |
| | Date Installed: | 12/03/2021 | |

NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments:
Lab ID: 1166885

## Passive Sample SAM #2

| | | | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| Sample Removed | Sample ID: | 211203-15-SAM2 | |
| | Time Removed: (CST) | 1325 | |
| | Date Removed: | 12/15/2021 | |
| Was the sample recapped with plug and stored in freezer? | | Yes | No |
| Time sample was put in the freezer: (CST) | | Not Recorded | |
| Sample Installed | Sample ID: | 211203-15-SAM2 | |
| | Time Installed: (CST) | 1202 | |
| | Date Installed: | 12/03/2021 | |

NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments:
Lab ID: 1167703

| Passive Sample SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No | |
| Sample Removed | Sample ID: | 211203-15-SAM4 | | Additional Comments: Lab ID: 1167510 |
| | Time Removed: (CST) | 1322 | | |
| | Date Removed: | 12/15/2021 | | |
| Was the sample recapped with plug and stored in freezer? | | Yes | No | |
| Time sample was put in the freezer: (CST) | | Not Recorded | | |
| Sample Installed | Sample ID: | 211203-15-SAM4 | | |
| | Time Installed: (CST) | 1246 | | |
| | Date Installed: | 12/03/2021 | | |
| NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap! | | | | |

| Passive Sample SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No | |
| Sample Removed | Sample ID: | 211203-15-SAM5 | | Additional Comments: Lab ID: 1153944 |
| | Time Removed: (CST) | 1315 | | |
| | Date Removed: | 12/15/2021 | | |
| Was the sample recapped with plug and stored in freezer? | | Yes | No | |
| Time sample was put in the freezer: (CST) | | Not Recorded | | |
| Sample Installed | Sample ID: | 211203-15-SAM5 | | |
| | Time Installed: (CST) | 1340 | | |
| | Date Installed: | 12/03/2021 | | |
| NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap! | | | | |

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

Before leaving site:

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
5. Lock door and gate

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

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

| Date: 12/29/2021 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

## Passive Sample SAM #1

| | | | |
|---|---|---|---|
| Is site free of damage or vandalism? | | (Yes) | No |
| Sample Removed | Sample ID: | 211215-29-SAM1 | |
| | Time Removed: (CST) | 0925 | |
| | Date Removed: | 12/29/2021 | |
| Was the sample recapped with plug and stored in freezer? | | (Yes) | No |
| Time sample was put in the freezer: (CST) | | Not Recorded | |
| Sample Installed | Sample ID: | 211215-29-SAM1 | |
| | Time Installed: (CST) | 1449 | |
| | Date Installed: | 12/15/2021 | |

NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments:
Lab ID: 1152377

## Passive Sample SAM #3

| | | | |
|---|---|---|---|
| Is site free of damage or vandalism? | | (Yes) | No |
| Sample Removed | Sample ID: | 211215-29-SAM3 | |
| | Time Removed: (CST) | 0922 | |
| | Date Removed: | 12/29/2021 | |
| Was the sample recapped with plug and stored in freezer? | | (Yes) | No |
| Time sample was put in the freezer: (CST) | | Not Recorded | |
| Sample Installed | Sample ID: | 211215-29-SAM3 | |
| | Time Installed: (CST) | 1451 | |
| | Date Installed: | 12/15/2021 | |

NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments:
Lab ID: 1155791

## Passive Sample SAM #2

| | | | |
|---|---|---|---|
| Is site free of damage or vandalism? | | (Yes) | No |
| Sample Removed | Sample ID: | 211215-29-SAM2 | |
| | Time Removed: (CST) | 0945 | |
| | Date Removed: | 12/29/2021 | |
| Was the sample recapped with plug and stored in freezer? | | (Yes) | No |
| Time sample was put in the freezer: (CST) | | Not Recorded | |
| Sample Installed | Sample ID: | 211215-29-SAM2 | |
| | Time Installed: (CST) | 1427 | |
| | Date Installed: | 12/15/2021 | |

NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments:
Lab ID: 1153876

## Passive Sample SAM #4

| | | | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| Sample Removed | Sample ID: | 211215-29-SAM4 | |
| | Time Removed: (CST) | 0934 | |
| | Date Removed: | 12/29/2021 | |
| Was the sample recapped with plug and stored in freezer? | | Yes | No |
| Time sample was put in the freezer: (CST) | | Not Recorded | |
| Sample Installed | Sample ID: | 211215-29-SAM4 | |
| | Time Installed: (CST) | 1434 | |
| | Date Installed: | 12/15/2021 | |

NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments:
Lab ID: 1155820

## Passive Sample SAM #5

| | | | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| Sample Removed | Sample ID: | 211215-29-SAM5 | |
| | Time Removed: (CST) | 0930 | |
| | Date Removed: | 12/29/2021 | |
| Was the sample recapped with plug and stored in freezer? | | Yes | No |
| Time sample was put in the freezer: (CST) | | Not Recorded | |
| Sample Installed | Sample ID: | 211215-29-SAM5 | |
| | Time Installed: (CST) | 1439 | |
| | Date Installed: | 12/15/2021 | |

NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments:
Lab ID: 115885

**Safety Observation/Suggestion:**

Before leaving site:

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
5. Lock door and gate

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

ERM-Ameren-Form-AQ-001 Ver 0
Champaign, Illinois

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

| Date: 01/12/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

## Passive Sample SAM #1

| | | | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| Sample Removed | Sample ID: | 2112129-220112-SAM1 | |
| | Time Removed: (CST) | 1206 | |
| | Date Removed: | 01/12/2022 | |
| Was the sample recapped with plug and stored in freezer? | | Yes | No |
| Time sample was put in the freezer: (CST) | | Not Recorded | |
| Sample Installed | Sample ID: | 2112129-220112-SAM1 | |
| | Time Installed: (CST) | 0925 | |
| | Date Installed: | 12/29/2021 | |

NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments:
Lab ID: 1141644

## Passive Sample SAM #3

| | | | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| Sample Removed | Sample ID: | 2112129-220112-SAM3 | |
| | Time Removed: (CST) | 1201 | |
| | Date Removed: | 01/12/2022 | |
| Was the sample recapped with plug and stored in freezer? | | Yes | No |
| Time sample was put in the freezer: (CST) | | Not Recorded | |
| Sample Installed | Sample ID: | 2112129-220112-SAM3 | |
| | Time Installed: (CST) | 0922 | |
| | Date Installed: | 12/29/2021 | |

NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments:
Lab ID: 1153804

## Passive Sample SAM #2

| | | | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| Sample Removed | Sample ID: | 2112129-220112-SAM2 | |
| | Time Removed: (CST) | 1227 | |
| | Date Removed: | 01/12/2022 | |
| Was the sample recapped with plug and stored in freezer? | | Yes | No |
| Time sample was put in the freezer: (CST) | | Not Recorded | |
| Sample Installed | Sample ID: | 2112129-220112-SAM2 | |
| | Time Installed: (CST) | 0945 | |
| | Date Installed: | 12/29/2021 | |

NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments:
Lab ID: 1152298

## Passive Sample SAM #4

| | | | |
|---|---|---|---|
| Is site free of damage or vandalism? | | (Yes) | No |
| Sample Removed | Sample ID: | 2112129-220112-SAM4 | |
| | Time Removed: (CST) | 1217 | |
| | Date Removed: | 01/12/2022 | |
| Was the sample recapped with plug and stored in freezer? | | (Yes) | No |
| Time sample was put in the freezer: (CST) | | Not Recorded | |
| Sample Installed | Sample ID: | 2112129-220112-SAM4 | |
| | Time Installed: (CST) | 0934 | |
| | Date Installed: | 12/29/2021 | |

NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments:
Lab ID: 1155739

## Passive Sample SAM #5

| | | | |
|---|---|---|---|
| Is site free of damage or vandalism? | | (Yes) | No |
| Sample Removed | Sample ID: | 2112129-220112-SAM5 | |
| | Time Removed: (CST) | 1211 | |
| | Date Removed: | 01/12/2022 | |
| Was the sample recapped with plug and stored in freezer? | | (Yes) | No |
| Time sample was put in the freezer: (CST) | | Not Recorded | |
| Sample Installed | Sample ID: | 2112129-220112-SAM5 | |
| | Time Installed: (CST) | 0930 | |
| | Date Installed: | 12/29/2021 | |

NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments:
Lab ID: 1155768

**Safety Observation/Suggestion:**

Before leaving site:

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
5. Lock door and gate

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

# Passive Samples

| Date: 1/26/22 | Technician: Marshall Arendell/Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

## Passive Sample SAM #1

| | | | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| **Sample Removed** | Sample ID: | 20220112-26-SE-SAM1 | |
| | Time Removed: (CST) | 0849 | |
| | Date Removed: | 1/26/2022 | |
| **Was the sample recapped with plug and stored in freezer?** | | Yes | No |
| **Time sample was put in the freezer: (CST)** | | 0905 | |
| **Sample Installed** | Sample ID: | 20220112-26-SE-SAM1 | |
| | Time Installed: (CST) | 1207 | |
| | Date Installed: | 1/12/2022 | |

**NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!**

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments:

## Passive Sample SAM #3

| | | | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| **Sample Removed** | Sample ID: | 20220112-26-SE-SAM3 | |
| | Time Removed: (CST) | 0851 | |
| | Date Removed: | 1/26/2022 | |
| **Was the sample recapped with plug and stored in freezer?** | | Yes | No |
| **Time sample was put in the freezer: (CST)** | | 0905 | |
| **Sample Installed** | Sample ID: | 20220112-26-SE-SAM3 | |
| | Time Installed: (CST) | 1204 | |
| | Date Installed: | 1/12/2022 | |

**NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!**

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments:

## Passive Sample SAM #2

| | | | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| **Sample Removed** | Sample ID: | 20220112-26-NE-SAM2 | |
| | Time Removed: (CST) | 0845 | |
| | Date Removed: | 1/26/2022 | |
| **Was the sample recapped with plug and stored in freezer?** | | Yes | No |
| **Time sample was put in the freezer: (CST)** | | 0905 | |
| **Sample Installed** | Sample ID: | 20220112-26-NE-SAM2 | |
| | Time Installed: (CST) | 1229 | |
| | Date Installed: | 1/12/2022 | |

**NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!**

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments:

| Passive Sample SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No | |
| **Sample Removed** | Sample ID: | 20220112-26-NW-SAM4 | | Additional Comments: |
| | Time Removed: (CST) | 0858 | | |
| | Date Removed: | 1/26/2022 | | |
| **Was the sample recapped with plug and stored in freezer?** | | Yes | No | |
| **Time sample was put in the freezer: (CST)** | | 0905 | | |
| **Sample Installed** | Sample ID: | 20220112-26-NW-SAM4 | | |
| | Time Installed: (CST) | 1219 | | |
| | Date Installed: | 1/12/2022 | | |
| **NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!** | | | | |

| Passive Sample SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No | |
| **Sample Removed** | Sample ID: | 20220112-26-SW-SAM5 | | Additional Comments: |
| | Time Removed: (CST) | 0855 | | |
| | Date Removed: | 1/26/2022 | | |
| **Was the sample recapped with plug and stored in freezer?** | | Yes | No | |
| **Time sample was put in the freezer: (CST)** | | 0905 | | |
| **Sample Installed** | Sample ID: | 20220112-26-SW-SAM5 | | |
| | Time Installed: (CST) | 1213 | | |
| | Date Installed: | 1/12/2022 | | |
| **NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!** | | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# Passive Samples

| Date: 02/09/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

## Passive Sample SAM #1

| | | | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| **Sample Removed** | Sample ID: | 20220126-0209-SE-SAM1 | |
| | Time Removed: (CST) | 0828 | |
| | Date Removed: | 2/9/2022 | |
| **Was the sample recapped with plug and stored in freezer?** | | Yes | No |
| **Time sample was put in the freezer: (CST)** | | 0849 | |
| **Sample Installed** | Sample ID: | 20220126-0209-SE-SAM1 | |
| | Time Installed: (CST) | 0935 | |
| | Date Installed: | 1/26/2022 | |

**NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!**

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments: ID = 1166969

## Passive Sample SAM #2

| | | | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| **Sample Removed** | Sample ID: | 20220126-0209-SE-SAM2 | |
| | Time Removed: (CST) | 0822 | |
| | Date Removed: | 2/9/2022 | |
| **Was the sample recapped with plug and stored in freezer?** | | Yes | No |
| **Time sample was put in the freezer: (CST)** | | 0849 | |
| **Sample Installed** | Sample ID: | 20220126-0209-SE-SAM2 | |
| | Time Installed: (CST) | 0926 | |
| | Date Installed: | 1/26/2022 | |

**NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!**

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments: ID = 1167510

## Passive Sample SAM #3

| | | | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| **Sample Removed** | Sample ID: | 20220126-0209-NE-SAM3 | |
| | Time Removed: (CST) | 0827 | |
| | Date Removed: | 2/9/2022 | |
| **Was the sample recapped with plug and stored in freezer?** | | Yes | No |
| **Time sample was put in the freezer: (CST)** | | 0849 | |
| **Sample Installed** | Sample ID: | 20220126-0209-NE-SAM3 | |
| | Time Installed: (CST) | 0931 | |
| | Date Installed: | 1/26/2022 | |

**NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!**

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments: ID = 1153944

| Passive Sample SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No | |
| **Sample Removed** | Sample ID: | 20220112-26-NW-SAM4 | | Additional Comments: ID = 1166885 |
| | Time Removed: (CST) | 0843 | | |
| | Date Removed: | 2/9/2022 | | |
| **Was the sample recapped with plug and stored in freezer?** | | Yes | No | |
| **Time sample was put in the freezer: (CST)** | | 0849 | | |
| **Sample Installed** | Sample ID: | 20220112-26-NW-SAM4 | | |
| | Time Installed: (CST) | 0946 | | |
| | Date Installed: | 1/26/2022 | | |
| **NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!** | | | | |

| Passive Sample SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No | |
| **Sample Removed** | Sample ID: | 20220112-26-SW-SAM5 | | Additional Comments: ID = 1141521 |
| | Time Removed: (CST) | 0837 | | |
| | Date Removed: | 2/9/2022 | | |
| **Was the sample recapped with plug and stored in freezer?** | | Yes | No | |
| **Time sample was put in the freezer: (CST)** | | 0849 | | |
| **Sample Installed** | Sample ID: | 20220112-26-SW-SAM5 | | |
| | Time Installed: (CST) | 0941 | | |
| | Date Installed: | 1/26/2022 | | |
| **NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!** | | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# Passive Samples

| Date: 02/23/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

## Passive Sample SAM #1

| | | | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| **Sample Removed** | Sample ID: | 20220209-23-SE-SAM1 | |
| | Time Removed: (CST) | 0857 | |
| | Date Removed: | 2/23/2022 | |
| **Was the sample recapped with plug and stored in freezer?** | | Yes | No |
| **Time sample was put in the freezer: (CST)** | | 0927 | |
| **Sample Installed** | Sample ID: | 20220209-23-SE-SAM1 | |
| | Time Installed: (CST) | 0833 | |
| | Date Installed: | 2/9/2022 | |

**NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!**

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments: ID = 1152377

## Passive Sample SAM #2

| | | | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| **Sample Removed** | Sample ID: | 20220209-23-NE-SAM2 | |
| | Time Removed: (CST) | 0847 | |
| | Date Removed: | 2/23/2022 | |
| **Was the sample recapped with plug and stored in freezer?** | | Yes | No |
| **Time sample was put in the freezer: (CST)** | | 0927 | |
| **Sample Installed** | Sample ID: | 20220209-23-NE-SAM2 | |
| | Time Installed: (CST) | 0823 | |
| | Date Installed: | 2/9/2022 | |

**NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!**

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments: ID = 1153876

## Passive Sample SAM #3

| | | | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| **Sample Removed** | Sample ID: | 20220209-23-SE-SAM3 | |
| | Time Removed: (CST) | 0856 | |
| | Date Removed: | 2/23/2022 | |
| **Was the sample recapped with plug and stored in freezer?** | | Yes | No |
| **Time sample was put in the freezer: (CST)** | | 0927 | |
| **Sample Installed** | Sample ID: | 20220209-23-SE-SAM3 | |
| | Time Installed: (CST) | 0830 | |
| | Date Installed: | 2/9/2022 | |

**NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!**

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments: ID = 1155768

| Passive Sample SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No | |
| **Sample Removed** | Sample ID: | 20220209-23-NW-SAM4 | | Additional Comments: ID = 1155791 |
| | Time Removed: (CST) | 0916 | | |
| | Date Removed: | 2/23/2022 | | |
| **Was the sample recapped with plug and stored in freezer?** | | Yes | No | |
| **Time sample was put in the freezer: (CST)** | | 0927 | | |
| **Sample Installed** | Sample ID: | 20220209-23-NW-SAM4 | | |
| | Time Installed: (CST) | 0845 | | |
| | Date Installed: | 2/9/2022 | | |
| **NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!** | | | | |

| Passive Sample SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No | |
| **Sample Removed** | Sample ID: | 20220209-23-SW-SAM5 | | Additional Comments: ID = 1155820 |
| | Time Removed: (CST) | 0906 | | |
| | Date Removed: | 2/23/2022 | | |
| **Was the sample recapped with plug and stored in freezer?** | | Yes | No | |
| **Time sample was put in the freezer: (CST)** | | 0927 | | |
| **Sample Installed** | Sample ID: | 20220209-23-SW-SAM5 | | |
| | Time Installed: (CST) | 0839 | | |
| | Date Installed: | 2/9/2022 | | |
| **NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!** | | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# Passive Samples

| Date: 03/09/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

## Passive Sample SAM #1

| | | | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| **Sample Removed** | Sample ID: | 20220223-0309-SE-SAM1 | |
| | Time Removed: (CST) | | |
| | Date Removed: | 3/9/2022 | |
| **Was the sample recapped with plug and stored in freezer?** | | Yes | No |
| **Time sample was put in the freezer: (CST)** | | ? | |
| **Sample Installed** | Sample ID: | 20220223-0309-SE-SAM1 | |
| | Time Installed: (CST) | 0940 | |
| | Date Installed: | 2/23/2022 | |

**NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!**

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments: ID = 1141603

## Passive Sample SAM #2

| | | | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| **Sample Removed** | Sample ID: | 20220223-0309-SE-SAM2 | |
| | Time Removed: (CST) | | |
| | Date Removed: | 3/9/2022 | |
| **Was the sample recapped with plug and stored in freezer?** | | Yes | No |
| **Time sample was put in the freezer: (CST)** | | ? | |
| **Sample Installed** | Sample ID: | 20220223-0309-SE-SAM2 | |
| | Time Installed: (CST) | 0933 | |
| | Date Installed: | 2/23/2022 | |

**NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!**

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments: ID = 1150254

## Passive Sample SAM #3

| | | | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| **Sample Removed** | Sample ID: | 20220223-0309-NE-SAM3 | |
| | Time Removed: (CST) | | |
| | Date Removed: | 3/9/2022 | |
| **Was the sample recapped with plug and stored in freezer?** | | Yes | No |
| **Time sample was put in the freezer: (CST)** | | ? | |
| **Sample Installed** | Sample ID: | 20220223-0309-NE-SAM3 | |
| | Time Installed: (CST) | 0937 | |
| | Date Installed: | 2/23/2022 | |

**NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!**

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments: ID = 1167074

| Passive Sample SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No | |
| **Sample Removed** | Sample ID: | 20220223-0309-NW-SAM4 | | Additional Comments: ID = 1167529 |
| | Time Removed: (CST) | | | |
| | Date Removed: | 3/9/2022 | | |
| **Was the sample recapped with plug and stored in freezer?** | | Yes | No | |
| **Time sample was put in the freezer: (CST)** | | ? | | |
| **Sample Installed** | Sample ID: | 20220223-0309-NW-SAM4 | | |
| | Time Installed: (CST) | 0947 | | |
| | Date Installed: | 2/23/2022 | | |
| **NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!** | | | | |

| Passive Sample SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No | |
| **Sample Removed** | Sample ID: | 20220223-0309-SW-SAM5 | | Additional Comments: ID = 1167619 |
| | Time Removed: (CST) | | | |
| | Date Removed: | 3/9/2022 | | |
| **Was the sample recapped with plug and stored in freezer?** | | Yes | No | |
| **Time sample was put in the freezer: (CST)** | | ? | | |
| **Sample Installed** | Sample ID: | 20220223-0309-SW-SAM5 | | |
| | Time Installed: (CST) | 0944 | | |
| | Date Installed: | 2/23/2022 | | |
| **NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!** | | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# Passive Samples

| Dates: 3/9/22 - 3/23/22 | Technician: Marshall Arendell / Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

## Passive Sample SAM #1

| | | | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| **Sample Installed** | Sample ID: | 20220309-23-SE-SAM1 | |
| | Time Installed: (CST) | 1030 | |
| | Date Installed: | 3/9/2022 | |
| **Sample Removed** | Sample ID: | 20220309-23-SE-SAM1 | |
| | Time Removed: (CST) | 0841 | |
| | Date Removed: | 3/23/2022 | |
| **Was the sample recapped with plug and stored in freezer?** | | Yes | No |
| **Time sample was put in the freezer: (CST)** | | 0928 | |

**NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!**

Observations (Site Conditions, Equipment Conditions, etc.):

Samples installed by Marshall Arendell. Samples removed by Joshua Richards

Additional Comments: ID = 1153944

## Passive Sample SAM #2

| | | | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| **Sample Installed** | Sample ID: | 20220309-23-NE-SAM2 | |
| | Time Installed: (CST) | 1043 | |
| | Date Installed: | 3/9/2022 | |
| **Sample Removed** | Sample ID: | 20220309-23-NE-SAM2 | |
| | Time Removed: (CST) | 0834 | |
| | Date Removed: | 3/23/2022 | |
| **Was the sample recapped with plug and stored in freezer?** | | Yes | No |
| **Time sample was put in the freezer: (CST)** | | 0928 | |

**NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!**

Observations (Site Conditions, Equipment Conditions, etc.):

Samples installed by Marshall Arendell. Samples removed by Joshua Richards

Additional Comments: ID = 1166885

## Passive Sample SAM #3

| | | | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| **Sample Installed** | Sample ID: | 20220309-23-SE-SAM3 | |
| | Time Installed: (CST) | 1021 | |
| | Date Installed: | 3/9/2022 | |
| **Sample Removed** | Sample ID: | 20220309-23-SE-SAM3 | |
| | Time Removed: (CST) | 0841 | |
| | Date Removed: | 3/23/2022 | |
| **Was the sample recapped with plug and stored in freezer?** | | Yes | No |
| **Time sample was put in the freezer: (CST)** | | 0928 | |

**NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!**

Observations (Site Conditions, Equipment Conditions, etc.):

Samples installed by Marshall Arendell. Samples removed by Joshua Richards

Additional Comments: ID = 1166889

| Passive Sample SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No | Samples installed by Marshall Arendell. Samples removed by Joshua Richards |
| **Sample Installed** | Sample ID: | 20220309-23-NW-SAM4 | | Additional Comments: ID = 1166965 |
| | Time Installed: (CST) | 1038 | | |
| | Date Installed: | 3/9/2022 | | |
| **Sample Removed** | Sample ID: | 20220309-23-NW-SAM4 | | |
| | Time Removed: (CST) | 0901 | | |
| | Date Removed: | 3/23/2022 | | |
| **Was the sample recapped with plug and stored in freezer?** | | Yes | No | |
| **Time sample was put in the freezer: (CST)** | | 0928 | | |
| **NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!** | | | | |

| Passive Sample SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No | Samples installed by Marshall Arendell. Samples removed by Joshua Richards |
| **Sample Installed** | Sample ID: | 20220309-23-SW-SAM5 | | Additional Comments: ID = 1166969 |
| | Time Installed: (CST) | 1034 | | |
| | Date Installed: | 3/9/2022 | | |
| **Sample Removed** | Sample ID: | 20220309-23-SW-SAM5 | | |
| | Time Removed: (CST) | 0856 | | |
| | Date Removed: | 3/23/2022 | | |
| **Was the sample recapped with plug and stored in freezer?** | | Yes | No | |
| **Time sample was put in the freezer: (CST)** | | 0928 | | |
| **NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!** | | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# Passive Samples

| Dates: 3/23/22 - 4/06/22 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

## Passive Sample SAM #1

| | | | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| **Sample Installed** | Sample ID: | 20220323-0406-SE-SAM1 | |
| | Time Installed: (CST) | 1025 | |
| | Date Installed: | 3/23/2022 | |
| **Sample Removed** | Sample ID: | 20220323-0406-SE-SAM1 | |
| | Time Removed: (CST) | ? | |
| | Date Removed: | 4/6/2022 | |
| **Was the sample recapped with plug and stored in freezer?** | | Yes | No |
| **Time sample was put in the freezer: (CST)** | | ? | |
| **NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!** | | | |

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments: ID = 1153876

## Passive Sample SAM #2

| | | | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| **Sample Installed** | Sample ID: | 20220323-0406-NE-SAM2 | |
| | Time Installed: (CST) | 1020 | |
| | Date Installed: | 3/23/2022 | |
| **Sample Removed** | Sample ID: | 20220323-0406-NE-SAM2 | |
| | Time Removed: (CST) | ? | |
| | Date Removed: | 4/6/2022 | |
| **Was the sample recapped with plug and stored in freezer?** | | Yes | No |
| **Time sample was put in the freezer: (CST)** | | ? | |
| **NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!** | | | |

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments: ID = 1155768

## Passive Sample SAM #3

| | | | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| **Sample Installed** | Sample ID: | 20220323-0406-SE-SAM3 | |
| | Time Installed: (CST) | 1027 | |
| | Date Installed: | 3/23/2022 | |
| **Sample Removed** | Sample ID: | 20220323-0406-SE-SAM3 | |
| | Time Removed: (CST) | ? | |
| | Date Removed: | 4/6/2022 | |
| **Was the sample recapped with plug and stored in freezer?** | | Yes | No |
| **Time sample was put in the freezer: (CST)** | | ? | |
| **NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!** | | | |

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments: ID = 1155791

| Passive Sample SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No | |
| **Sample Installed** | Sample ID: | 20220323-0406-NW-SAM4 | | Additional Comments: ID = 1155820 |
| | Time Installed: (CST) | 1035 | | |
| | Date Installed: | 3/23/2022 | | |
| **Sample Removed** | Sample ID: | 20220323-0406-NW-SAM4 | | |
| | Time Removed: (CST) | ? | | |
| | Date Removed: | 4/6/2022 | | |
| **Was the sample recapped with plug and stored in freezer?** | | Yes | No | |
| **Time sample was put in the freezer: (CST)** | | ? | | |
| **NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!** | | | | |

| Passive Sample SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No | |
| **Sample Installed** | Sample ID: | 20220323-0406-SW-SAM5 | | Additional Comments: ID = 1155885 |
| | Time Installed: (CST) | 1033 | | |
| | Date Installed: | 3/23/2022 | | |
| **Sample Removed** | Sample ID: | 20220323-0406-SW-SAM5 | | |
| | Time Removed: (CST) | ? | | |
| | Date Removed: | 4/6/2022 | | |
| **Was the sample recapped with plug and stored in freezer?** | | Yes | No | |
| **Time sample was put in the freezer: (CST)** | | ? | | |
| **NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!** | | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# Passive Samples

| Date: 4/6/22 - 4/20/22 | Technician: Marshall Arendell / Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

## Passive Sample SAM #1

| | | | |
|---|---|---|---|
| Is site free of damage or vandalism? | | **Yes** | No |
| **Sample Installed** | Sample ID: | 20220406-20-SE-SAM1 | |
| | Time Installed: (CST) | 1013 | |
| | Date Installed: | 4/6/2022 | |
| **Sample Removed** | Sample ID: | 20220406-20-SE-SAM1 | |
| | Time Removed: (CST) | 831 | |
| | Date Removed: | 4/20/2022 | |
| **Was the sample recapped with plug and stored in freezer?** | | **Yes** | No |
| **Time sample was put in the freezer: (CST)** | | 837 | |
| **NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!** | | | |

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments: ID = 1141603

## Passive Sample SAM #3

| | | | |
|---|---|---|---|
| Is site free of damage or vandalism? | | **Yes** | No |
| **Sample Installed** | Sample ID: | 20220406-20-SE-SAM3 | |
| | Time Installed: (CST) | 1031 | |
| | Date Installed: | 4/6/2022 | |
| **Sample Removed** | Sample ID: | 20220406-20-SE-SAM3 | |
| | Time Removed: (CST) | 827 | |
| | Date Removed: | 4/20/2022 | |
| **Was the sample recapped with plug and stored in freezer?** | | **Yes** | No |
| **Time sample was put in the freezer: (CST)** | | 837 | |
| **NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!** | | | |

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments: ID = 1167074

## Passive Sample SAM #2

| | | | |
|---|---|---|---|
| Is site free of damage or vandalism? | | **Yes** | No |
| **Sample Installed** | Sample ID: | 20220406-20-NE-SAM2 | |
| | Time Installed: (CST) | 1119 | |
| | Date Installed: | 4/6/2022 | |
| **Sample Removed** | Sample ID: | 20220406-20-NE-SAM2 | |
| | Time Removed: (CST) | 821 | |
| | Date Removed: | 4/20/2022 | |
| **Was the sample recapped with plug and stored in freezer?** | | **Yes** | No |
| **Time sample was put in the freezer: (CST)** | | 837 | |
| **NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!** | | | |

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments: ID = 1150254

| Passive Sample SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Is site free of damage or vandalism? | | **Yes** | No | |
| **Sample Installed** | Sample ID: | 20220406-20-NW-SAM4 | | Additional Comments: ID = 1167529 |
| | Time Installed: (CST) | 1103 | | |
| | Date Installed: | 4/6/2022 | | |
| **Sample Removed** | Sample ID: | 20220406-20-NW-SAM4 | | |
| | Time Removed: (CST) | 816 | | |
| | Date Removed: | 4/20/2022 | | |
| **Was the sample recapped with plug and stored in freezer?** | | **Yes** | No | |
| **Time sample was put in the freezer: (CST)** | | 837 | | |
| **NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!** | | | | |

| Passive Sample SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Is site free of damage or vandalism? | | **Yes** | No | |
| **Sample Installed** | Sample ID: | 20220406-20-SW-SAM5 | | Additional Comments: ID = 1167619 |
| | Time Installed: (CST) | 1048 | | |
| | Date Installed: | 4/6/2022 | | |
| **Sample Removed** | Sample ID: | 20220406-20-SW-SAM5 | | |
| | Time Removed: (CST) | 810 | | |
| | Date Removed: | 4/20/2022 | | |
| **Was the sample recapped with plug and stored in freezer?** | | **Yes** | No | |
| **Time sample was put in the freezer: (CST)** | | 837 | | |
| **NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!** | | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# Passive Samples

| Dates: 4/20/22 - 4/29/22 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

## Passive Sample SAM #1

| | | | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| **Sample Installed** | Sample ID: | 20220420-0429-SE-SAM1 | |
| | Time Installed: (CST) | 0833 | |
| | Date Installed: | 4/20/2022 | |
| **Sample Removed** | Sample ID: | 20220420-0429-SE-SAM1 | |
| | Time Removed: (CST) | 0830 | |
| | Date Removed: | 4/29/2022 | |
| **Was the sample recapped with plug and stored in freezer?** | | Yes | No |
| **Time sample was put in the freezer: (CST)** | | 0900 | |
| **NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!** | | | |

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments: ID = 1153944

## Passive Sample SAM #2

| | | | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| **Sample Installed** | Sample ID: | 20220420-0429-NE-SAM2 | |
| | Time Installed: (CST) | 0823 | |
| | Date Installed: | 4/20/2022 | |
| **Sample Removed** | Sample ID: | 20220420-0429-NE-SAM2 | |
| | Time Removed: (CST) | 0841 | |
| | Date Removed: | 4/29/2022 | |
| **Was the sample recapped with plug and stored in freezer?** | | Yes | No |
| **Time sample was put in the freezer: (CST)** | | 0900 | |
| **NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!** | | | |

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments: ID = 1166885

## Passive Sample SAM #3

| | | | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| **Sample Installed** | Sample ID: | 20220420-0429-SE-SAM3 | |
| | Time Installed: (CST) | 0830 | |
| | Date Installed: | 4/20/2022 | |
| **Sample Removed** | Sample ID: | 20220420-0429-SE-SAM3 | |
| | Time Removed: (CST) | 0822 | |
| | Date Removed: | 4/29/2022 | |
| **Was the sample recapped with plug and stored in freezer?** | | Yes | No |
| **Time sample was put in the freezer: (CST)** | | 0900 | |
| **NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!** | | | |

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments: ID = 1166889

| Passive Sample SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No | |
| **Sample Installed** | Sample ID: | 20220420-0429-NW-SAM4 | | Additional Comments: ID = 1166965 |
| | Time Installed: (CST) | 0818 | | |
| | Date Installed: | 4/20/2022 | | |
| **Sample Removed** | Sample ID: | 20220420-0429-NW-SAM4 | | |
| | Time Removed: (CST) | 0844 | | |
| | Date Removed: | 4/29/2022 | | |
| **Was the sample recapped with plug and stored in freezer?** | | Yes | No | |
| **Time sample was put in the freezer: (CST)** | | 0900 | | |
| **NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!** | | | | |

| Passive Sample SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No | |
| **Sample Installed** | Sample ID: | 20220420-0429-SW-SAM5 | | Additional Comments: ID = 1166969 |
| | Time Installed: (CST) | 0813 | | |
| | Date Installed: | 4/20/2022 | | |
| **Sample Removed** | Sample ID: | 20220420-0429-SW-SAM5 | | |
| | Time Removed: (CST) | 0854 | | |
| | Date Removed: | 4/29/2022 | | |
| **Was the sample recapped with plug and stored in freezer?** | | Yes | No | |
| **Time sample was put in the freezer: (CST)** | | 0900 | | |
| **NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!** | | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# Passive Samples

| Dates: 4/29/22 - 5/13/22 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

## Passive Sample SAM #1

| | | | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| **Sample Installed** | Sample ID: | 20220429-0513-SE-SAM1 | |
| | Time Installed: (CST) | 0833 | |
| | Date Installed: | 4/29/2022 | |
| **Sample Removed** | Sample ID: | 20220429-0513-SE-SAM1 | |
| | Time Removed: (CST) | 0814 | |
| | Date Removed: | 5/13/2022 | |
| **Was the sample recapped with plug and stored in freezer?** | | Yes | No |
| **Time sample was put in the freezer: (CST)** | | 0830 | |
| **NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!** | | | |

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments: ID = 1153876

## Passive Sample SAM #2

| | | | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| **Sample Installed** | Sample ID: | 20220429-0513-NE-SAM2 | |
| | Time Installed: (CST) | 0823 | |
| | Date Installed: | 4/29/2022 | |
| **Sample Removed** | Sample ID: | 20220429-0513-NE-SAM2 | |
| | Time Removed: (CST) | 0818 | |
| | Date Removed: | 5/13/2022 | |
| **Was the sample recapped with plug and stored in freezer?** | | Yes | No |
| **Time sample was put in the freezer: (CST)** | | 0830 | |
| **NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!** | | | |

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments: ID = 1155768

## Passive Sample SAM #3

| | | | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| **Sample Installed** | Sample ID: | 20220429-0513-SE-SAM3 | |
| | Time Installed: (CST) | 0830 | |
| | Date Installed: | 4/29/2022 | |
| **Sample Removed** | Sample ID: | 20220429-0513-SE-SAM3 | |
| | Time Removed: (CST) | 0815 | |
| | Date Removed: | 5/13/2022 | |
| **Was the sample recapped with plug and stored in freezer?** | | Yes | No |
| **Time sample was put in the freezer: (CST)** | | 0830 | |
| **NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!** | | | |

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments: ID = 1155791

| Passive Sample SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No | |
| **Sample Installed** | Sample ID: | 20220429-0513-NW-SAM4 | | Additional Comments: ID = 1155820 |
| | Time Installed: (CST) | 0818 | | |
| | Date Installed: | 4/29/2022 | | |
| **Sample Removed** | Sample ID: | 20220429-0513-NW-SAM4 | | |
| | Time Removed: (CST) | 0820 | | |
| | Date Removed: | 5/13/2022 | | |
| **Was the sample recapped with plug and stored in freezer?** | | Yes | No | |
| **Time sample was put in the freezer: (CST)** | | 0830 | | |
| **NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!** | | | | |

| Passive Sample SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No | |
| **Sample Installed** | Sample ID: | 20220429-0513-SW-SAM5 | | Additional Comments: ID = 1155885 |
| | Time Installed: (CST) | 1007 | | |
| | Date Installed: | 4/29/2022 | | |
| **Sample Removed** | Sample ID: | 20220429-0513-SW-SAM5 | | |
| | Time Removed: (CST) | 0822 | | |
| | Date Removed: | 5/13/2022 | | |
| **Was the sample recapped with plug and stored in freezer?** | | Yes | No | |
| **Time sample was put in the freezer: (CST)** | | 0830 | | |
| **NOTE: Use the diffusion cap from the last sample to setup the new sample. Do not lose the diffusion cap!** | | | | |

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

Before leaving site:

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
5. Lock door and gate

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

| Date: 12/07/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1114 | 0.0 | N | NA |
| SAM-2 | 1123 | 0.0 | N | NA |
| SAM-3 | 1136 | 0.0 | N | NA |
| SAM-4 | 1145 | 0.0 | N | NA |
| IMPL-A | 1102 | 0.0 | N | NA |
| IMPL-B | 1106 | 0.0 | N | NA |
| IMPL-C | 1109 | 0.0 | N | NA |
| IMPL-D | 1109 | 0.0 | N | NA |
| IMPL-E | 1127 | 0.0 | N | NA |
| IMPL-F | 1130 | 0.0 | N | NA |
| IMPL-G | 1138 | 0.0 | N | NA |
| IMPL-H | 1141 | 0.0 | N | NA |
| IMPL-I | 1144 | 0.0 | N | NA |
| IMPL-J | 1147 | 0.0 | N | NA |
| IMPL-K | 1150 | 0.0 | N | NA |
| IMPL-L | 1153 | 0.0 | N | NA |

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

At the end of the day:

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

| Date: 12/07/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1435 | 0.0 | N | NA |
| SAM-2 | 1441 | 0.0 | N | NA |
| SAM-3 | 1448 | 0.0 | N | NA |
| SAM-4 | 1456 | 0.0 | N | NA |
| IMPL-A | 1425 | 0.0 | N | NA |
| IMPL-B | 1431 | 0.0 | N | NA |
| IMPL-C | 1433 | 0.0 | N | NA |
| IMPL-D | 1437 | 0.0 | N | NA |
| IMPL-E | 1443 | 0.0 | N | NA |
| IMPL-F | 1446 | 0.0 | N | NA |
| IMPL-G | 1450 | 0.0 | N | NA |
| IMPL-H | 1452 | 0.0 | N | NA |
| IMPL-I | 1454 | 0.0 | N | NA |
| IMPL-J | 1458 | 0.0 | N | NA |
| IMPL-K | 1500 | 0.0 | N | NA |
| IMPL-L | 1502 | 0.0 | N | NA |

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

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

| Date: 12/08/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 0822 | 0.0 | N | NA |
| SAM-2 | 0830 | 0.0 | N | NA |
| SAM-3 | 0839 | 0.0 | N | NA |
| SAM-4 | 0854 | 0.0 | N | NA |
| IMPL-A | 0813 | 0.0 | N | NA |
| IMPL-B | 0816 | 0.0 | N | NA |
| IMPL-C | 0820 | 0.0 | N | NA |
| IMPL-D | 0825 | 0.0 | N | NA |
| IMPL-E | 0827 | 0.0 | N | NA |
| IMPL-F | 0833 | 0.0 | N | NA |
| IMPL-G | 0835 | 0.0 | N | NA |
| IMPL-H | 0843 | 0.0 | N | NA |
| IMPL-I | 0849 | 0.0 | N | NA |
| IMPL-J | 0851 | 0.0 | N | NA |
| IMPL-K | 0858 | 0.0 | N | NA |
| IMPL-L | 0900 | 0.0 | N | NA |

| 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.

| Date: 12/08/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1513 | 0.0 | N | NA |
| SAM-2 | 1524 | 0.0 | N | NA |
| SAM-3 | 1538 | 0.0 | N | NA |
| SAM-4 | 1546 | 0.0 | N | NA |
| IMPL-A | 1505 | 0.0 | N | NA |
| IMPL-B | 1508 | 0.0 | N | NA |
| IMPL-C | 1510 | 0.0 | N | NA |
| IMPL-D | 1518 | 0.0 | N | NA |
| IMPL-E | 1520 | 0.0 | N | NA |
| IMPL-F | 1534 | 0.0 | N | NA |
| IMPL-G | 1536 | 0.0 | N | NA |
| IMPL-H | 1540 | 0.0 | N | NA |
| IMPL-I | 1542 | 0.0 | N | NA |
| IMPL-J | 1544 | 0.0 | N | NA |
| IMPL-K | 1549 | 0.0 | N | NA |
| IMPL-L | 1551 | 0.0 | N | NA |

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

At the end of the day:

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

| Date: 12/09/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1536 | 0.0 | N | NA |
| SAM-2 | 1541 | 0.0 | N | NA |
| SAM-3 | 1544 | 0.0 | N | NA |
| SAM-4 | 1548 | 0.0 | N | NA |
| IMPL-A | 1530 | 0.0 | N | NA |
| IMPL-B | 1532 | 0.0 | N | NA |
| IMPL-C | 1534 | 0.0 | N | NA |
| IMPL-D | 1538 | 0.0 | N | NA |
| IMPL-E | 1540 | 0.0 | N | NA |
| IMPL-F | 1542 | 0.0 | N | NA |
| IMPL-G | 1543 | 0.0 | N | NA |
| IMPL-H | 1545 | 0.0 | N | NA |
| IMPL-I | 1546 | 0.0 | N | NA |
| IMPL-J | 1547 | 0.0 | N | NA |
| IMPL-K | 1549 | 0.0 | N | NA |
| IMPL-L | 1550 | 0.0 | N | NA |

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

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

| Date: 12/09/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 0938 | 0.0 | N | NA |
| SAM-2 | 0944 | 0.0 | N | NA |
| SAM-3 | 0948 | 0.0 | N | NA |
| SAM-4 | 0953 | 0.0 | N | NA |
| IMPL-A | 0932 | 0.0 | N | NA |
| IMPL-B | 0934 | 0.0 | N | NA |
| IMPL-C | 0936 | 0.0 | N | NA |
| IMPL-D | 0940 | 0.0 | N | NA |
| IMPL-E | 0942 | 0.0 | N | NA |
| IMPL-F | 0946 | 0.0 | N | NA |
| IMPL-G | 0947 | 0.0 | N | NA |
| IMPL-H | 0950 | 0.0 | N | NA |
| IMPL-I | 0951 | 0.0 | N | NA |
| IMPL-J | 0952 | 0.0 | N | NA |
| IMPL-K | 0954 | 0.0 | N | NA |
| IMPL-L | 0956 | 0.0 | N | NA |

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

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

| Date: 12/10/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1218 | 0.0 | N | NA |
| SAM-2 | 1209 | 0.0 | N | NA |
| SAM-3 | 1228 | 0.0 | N | NA |
| SAM-4 | 1242 | 0.0 | N | NA |
| IMPL-A | 1200 | 0.0 | N | NA |
| IMPL-B | 1203 | 0.0 | N | NA |
| IMPL-C | 1206 | 0.0 | N | NA |
| IMPL-D | 1212 | 0.0 | N | NA |
| IMPL-E | 1215 | 0.0 | N | NA |
| IMPL-F | 1221 | 0.0 | N | NA |
| IMPL-G | 1224 | 0.0 | N | NA |
| IMPL-H | 1231 | 0.0 | N | NA |
| IMPL-I | 1235 | 0.0 | N | NA |
| IMPL-J | 1238 | 0.0 | N | NA |
| IMPL-K | 1245 | 0.0 | N | NA |
| IMPL-L | 1250 | 0.0 | N | NA |

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

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| Date: 12/10/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 0919 | 0.0 | N | NA |
| SAM-2 | 0923 | 0.0 | N | NA |
| SAM-3 | 0926 | 0.0 | N | NA |
| SAM-4 | 0933 | 0.0 | N | NA |
| IMPL-A | 0916 | 0.0 | N | NA |
| IMPL-B | 0917 | 0.0 | N | NA |
| IMPL-C | 0918 | 0.0 | N | NA |
| IMPL-D | 0921 | 0.0 | N | NA |
| IMPL-E | 0922 | 0.0 | N | NA |
| IMPL-F | 0924 | 0.0 | N | NA |
| IMPL-G | 0925 | 0.0 | N | NA |
| IMPL-H | 0928 | 0.0 | N | NA |
| IMPL-I | 0930 | 0.0 | N | NA |
| IMPL-J | 0932 | 0.0 | N | NA |
| IMPL-K | 0935 | 0.0 | N | NA |
| IMPL-L | 0936 | 0.0 | N | NA |

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

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

Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/13/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1618 | 0.0 | N | NA |
| SAM-2 | 1623 | 0.0 | N | NA |
| SAM-3 | 1628 | 0.0 | N | NA |
| SAM-4 | 1633 | 0.0 | N | NA |
| IMPL-A | 1615 | 0.0 | N | NA |
| IMPL-B | 1616 | 0.0 | N | NA |
| IMPL-C | 1617 | 0.0 | N | NA |
| IMPL-D | 1619 | 0.0 | N | NA |
| IMPL-E | 1620 | 0.0 | N | NA |
| IMPL-F | 1625 | 0.0 | N | NA |
| IMPL-G | 1627 | 0.0 | N | NA |
| IMPL-H | 1629 | 0.0 | N | NA |
| IMPL-I | 1630 | 0.0 | N | NA |
| IMPL-J | 1632 | 0.0 | N | NA |
| IMPL-K | 1634 | 0.0 | N | NA |
| IMPL-L | 1636 | 0.0 | N | 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.

| Date: 12/13/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 0931 | 0.0 | N | NA |
| SAM-2 | 0936 | 0.0 | N | NA |
| SAM-3 | 0939 | 0.0 | N | NA |
| SAM-4 | 0943 | 0.0 | N | NA |
| IMPL-A | 0927 | 0.0 | N | NA |
| IMPL-B | 0929 | 0.0 | N | NA |
| IMPL-C | 0930 | 0.0 | N | NA |
| IMPL-D | 0933 | 0.0 | N | NA |
| IMPL-E | 0935 | 0.0 | N | NA |
| IMPL-F | 0937 | 0.0 | N | NA |
| IMPL-G | 0938 | 0.0 | N | NA |
| IMPL-H | 0940 | 0.0 | N | NA |
| IMPL-I | 0941 | 0.0 | N | NA |
| IMPL-J | 0942 | 0.0 | N | NA |
| IMPL-K | 0944 | 0.0 | N | NA |
| IMPL-L | 0946 | 0.0 | N | NA |

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

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

Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/14/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 0842 | 0.0 | N | NA |
| SAM-2 | 0845 | 0.0 | N | NA |
| SAM-3 | 0850 | 0.0 | N | NA |
| SAM-4 | 0848 | 0.0 | N | NA |
| IMPL-A | 0830 | 0.0 | N | NA |
| IMPL-B | 0831 | 0.0 | N | NA |
| IMPL-C | 0832 | 0.0 | N | NA |
| IMPL-D | 0833 | 0.0 | N | NA |
| IMPL-E | 0834 | 0.0 | N | NA |
| IMPL-F | 0835 | 0.0 | N | NA |
| IMPL-G | 0836 | 0.0 | N | NA |
| IMPL-H | 0837 | 0.0 | N | NA |
| IMPL-I | 0838 | 0.0 | N | NA |
| IMPL-J | 0839 | 0.0 | N | NA |
| IMPL-K | 0840 | 0.0 | N | NA |
| IMPL-L | 0841 | 0.0 | N | NA |

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

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/14/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1018 | 0.0 | N | NA |
| SAM-2 | 1021 | 0.0 | N | NA |
| SAM-3 | 1024 | 0.0 | N | NA |
| SAM-4 | 1027 | 0.0 | N | NA |
| IMPL-A | 0958 | 0.0 | N | NA |
| IMPL-B | 1000 | 0.0 | N | NA |
| IMPL-C | 1001 | 0.0 | N | NA |
| IMPL-D | 1002 | 0.0 | N | NA |
| IMPL-E | 1003 | 0.0 | N | NA |
| IMPL-F | 1005 | 0.0 | N | NA |
| IMPL-G | 1007 | 0.0 | N | NA |
| IMPL-H | 1008 | 0.0 | N | NA |
| IMPL-I | 1009 | 0.0 | N | NA |
| IMPL-J | 1010 | 0.0 | N | NA |
| IMPL-K | 1012 | 0.0 | N | NA |
| IMPL-L | 1015 | 0.0 | N | NA |

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

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| Date: 12/14/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1144 | 0.0 | N | New Document from Jarred: PID for 12 secs per location if 0.0 ppm |
| SAM-2 | 1146 | 0.0 | N | NA |
| SAM-3 | 1147 | 0.0 | N | NA |
| SAM-4 | 1149 | 0.0 | N | NA |
| IMPL-A | 1140 | 0.0 | N | NA |
| IMPL-B | 1140 | 0.0 | N | NA |
| IMPL-C | 1140 | 0.0 | N | NA |
| IMPL-D | 1141 | 0.0 | N | NA |
| IMPL-E | 1141 | 0.0 | N | NA |
| IMPL-F | 1141 | 0.0 | N | NA |
| IMPL-G | 1142 | 0.0 | N | NA |
| IMPL-H | 1142 | 0.0 | N | NA |
| IMPL-I | 1142 | 0.0 | N | NA |
| IMPL-J | 1143 | 0.0 | N | NA |
| IMPL-K | 1143 | 0.0 | N | NA |
| IMPL-L | 1143 | 0.0 | N | NA |

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

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

Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/14/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1324 | 0.0 | N | New Document from Jarred: PID for 12 secs per location if 0.0 ppm |
| SAM-2 | 1326 | 0.0 | N | NA |
| SAM-3 | 1328 | 0.0 | N | NA |
| SAM-4 | 1330 | 0.0 | N | NA |
| IMPL-A | 1315 | 0.0 | N | NA |
| IMPL-B | 1316 | 0.0 | N | NA |
| IMPL-C | 1317 | 0.0 | N | NA |
| IMPL-D | 1318 | 0.0 | N | NA |
| IMPL-E | 1319 | 0.0 | N | NA |
| IMPL-F | 1320 | 0.0 | N | NA |
| IMPL-G | 1321 | 0.0 | N | NA |
| IMPL-H | 1321 | 0.0 | N | NA |
| IMPL-I | 1322 | 0.0 | N | NA |
| IMPL-J | 1323 | 0.0 | N | NA |
| IMPL-K | 1323 | 0.0 | N | NA |
| IMPL-L | 1323 | 0.0 | N | NA |

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

At the end of the day:

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

| Date: 12/14/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1619 | 0.0 | N | New Document from Jarred: PID for 12 secs per location if 0.0 ppm |
| SAM-2 | 1621 | 0.0 | N | NA |
| SAM-3 | 1623 | 0.0 | N | NA |
| SAM-4 | 1625 | 0.0 | N | NA |
| IMPL-A | 1605 | 0.0 | N | NA |
| IMPL-B | 1607 | 0.0 | N | NA |
| IMPL-C | 1609 | 0.0 | N | NA |
| IMPL-D | 1611 | 0.0 | N | NA |
| IMPL-E | 1613 | 0.0 | N | NA |
| IMPL-F | 1614 | 0.0 | N | NA |
| IMPL-G | 1615 | 0.0 | N | NA |
| IMPL-H | 1616 | 0.0 | N | NA |
| IMPL-I | 1617 | 0.0 | N | NA |
| IMPL-J | 1617 | 0.0 | N | NA |
| IMPL-K | 1618 | 0.0 | N | NA |
| IMPL-L | 1618 | 0.0 | N | NA |

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

At the end of the day:

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

Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/15/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 0741 | 0.0 | N | New Document from Jarred: PID for 12 secs per location if 0.0 ppm |
| SAM-2 | 0744 | 0.0 | N | NA |
| SAM-3 | 0746 | 0.0 | N | NA |
| SAM-4 | 0750 | 0.0 | N | NA |
| IMPL-A | 0736 | 0.0 | N | NA |
| IMPL-B | 0736 | 0.0 | N | NA |
| IMPL-C | 0736 | 0.0 | N | NA |
| IMPL-D | 0737 | 0.0 | N | NA |
| IMPL-E | 0737 | 0.0 | N | Readings in quick succession due to moving equipment |
| IMPL-F | 0737 | 0.0 | N | NA |
| IMPL-G | 0737 | 0.0 | N | NA |
| IMPL-H | 0739 | 0.0 | N | NA |
| IMPL-I | 0739 | 0.0 | N | NA |
| IMPL-J | 0739 | 0.0 | N | NA |
| IMPL-K | 0740 | 0.0 | N | NA |
| IMPL-L | 0740 | 0.0 | N | 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.

Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/15/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1455 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1458 | 0.0 | N | NA |
| SAM-3 | 1500 | 0.0 | N | NA |
| SAM-4 | 1503 | 0.0 | N | NA |
| IMPL-A | 1504 | 0.0 | N | NA |
| IMPL-B | 1506 | 0.0 | N | NA |
| IMPL-C | 1507 | 0.0 | N | NA |
| IMPL-D | 1509 | 0.0 | N | NA |
| IMPL-E | 1510 | 0.0 | N | Readings in quick succession due to moving equipment |
| IMPL-F | 1511 | 0.0 | N | NA |
| IMPL-G | 1512 | 0.0 | N | NA |
| IMPL-H | 1513 | 0.0 | N | NA |
| IMPL-I | 1515 | 0.0 | N | NA |
| IMPL-J | 1516 | 0.0 | N | NA |
| IMPL-K | 1518 | 0.0 | N | NA |
| IMPL-L | 1519 | 0.0 | N | NA |

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

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| Date: 12/15/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1455 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1458 | 0.0 | N | NA |
| SAM-3 | 1500 | 0.0 | N | NA |
| SAM-4 | 1503 | 0.0 | N | NA |
| IMPL-A | 1504 | 0.0 | N | NA |
| IMPL-B | 1506 | 0.0 | N | NA |
| IMPL-C | 1507 | 0.0 | N | NA |
| IMPL-D | 1509 | 0.0 | N | NA |
| IMPL-E | 1510 | 0.0 | N | Readings in quick succession due to moving equipment |
| IMPL-F | 1511 | 0.0 | N | NA |
| IMPL-G | 1512 | 0.0 | N | NA |
| IMPL-H | 1513 | 0.0 | N | NA |
| IMPL-I | 1515 | 0.0 | N | NA |
| IMPL-J | 1516 | 0.0 | N | NA |
| IMPL-K | 1518 | 0.0 | N | NA |
| IMPL-L | 1519 | 0.0 | N | NA |

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

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/15/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 0954 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 0951 | 0.0 | N | NA |
| SAM-3 | 0955 | 0.0 | N | NA |
| SAM-4 | 0959 | 0.0 | N | NA |
| IMPL-A | 1000 | 0.0 | N | NA |
| IMPL-B | 1003 | 0.0 | N | NA |
| IMPL-C | 1004 | 0.0 | N | NA |
| IMPL-D | 1007 | 0.0 | N | NA |
| IMPL-E | 1009 | 0.0 | N | Readings in quick succession due to moving equipment |
| IMPL-F | 1010 | 0.0 | N | NA |
| IMPL-G | 1011 | 0.0 | N | NA |
| IMPL-H | 1012 | 0.0 | N | NA |
| IMPL-I | 1014 | 0.0 | N | NA |
| IMPL-J | 1015 | 0.0 | N | NA |
| IMPL-K | 1017 | 0.0 | N | NA |
| IMPL-L | 1018 | 0.0 | N | NA |

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

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/15/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 0954 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 0951 | 0.0 | N | NA |
| SAM-3 | 0955 | 0.0 | N | NA |
| SAM-4 | 0959 | 0.0 | N | NA |
| IMPL-A | 1000 | 0.0 | N | NA |
| IMPL-B | 1003 | 0.0 | N | NA |
| IMPL-C | 1004 | 0.0 | N | NA |
| IMPL-D | 1007 | 0.0 | N | NA |
| IMPL-E | 1009 | 0.0 | N | Readings in quick succession due to moving equipment |
| IMPL-F | 1010 | 0.0 | N | NA |
| IMPL-G | 1011 | 0.0 | N | NA |
| IMPL-H | 1012 | 0.0 | N | NA |
| IMPL-I | 1014 | 0.0 | N | NA |
| IMPL-J | 1015 | 0.0 | N | NA |
| IMPL-K | 1017 | 0.0 | N | NA |
| IMPL-L | 1018 | 0.0 | N | NA |

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

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/15/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1054 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1051 | 0.0 | N | NA |
| SAM-3 | 1055 | 0.0 | N | NA |
| SAM-4 | 1059 | 0.0 | N | NA |
| IMPL-A | 1101 | 0.0 | N | NA |
| IMPL-B | 1102 | 0.0 | N | NA |
| IMPL-C | 1104 | 0.0 | N | NA |
| IMPL-D | 1107 | 0.0 | N | NA |
| IMPL-E | 1109 | 0.0 | N | Readings in quick succession due to moving equipment |
| IMPL-F | 1110 | 0.0 | N | NA |
| IMPL-G | 1112 | 0.0 | N | NA |
| IMPL-H | 1113 | 0.0 | N | NA |
| IMPL-I | 1114 | 0.0 | N | NA |
| IMPL-J | 1115 | 0.0 | N | NA |
| IMPL-K | 1117 | 0.0 | N | NA |
| IMPL-L | 1119 | 0.0 | N | NA |

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

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/15/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1154 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1151 | 0.0 | N | NA |
| SAM-3 | 1155 | 0.0 | N | NA |
| SAM-4 | 1159 | 0.0 | N | NA |
| IMPL-A | 1201 | 0.0 | N | NA |
| IMPL-B | 1202 | 0.0 | N | NA |
| IMPL-C | 1204 | 0.0 | N | NA |
| IMPL-D | 1207 | 0.0 | N | NA |
| IMPL-E | 1209 | 0.0 | N | Readings in quick succession due to moving equipment |
| IMPL-F | 1210 | 0.0 | N | NA |
| IMPL-G | 1212 | 0.0 | N | NA |
| IMPL-H | 1213 | 0.0 | N | NA |
| IMPL-I | 1214 | 0.0 | N | NA |
| IMPL-J | 1215 | 0.0 | N | NA |
| IMPL-K | 1217 | 0.0 | N | NA |
| IMPL-L | 1219 | 0.0 | N | NA |

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

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/15/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1252 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1255 | 0.0 | N | NA |
| SAM-3 | 1153 | 0.0 | N | NA |
| SAM-4 | 1258 | 0.0 | N | NA |
| IMPL-A | 1301 | 0.0 | N | NA |
| IMPL-B | 1302 | 0.0 | N | NA |
| IMPL-C | 1304 | 0.0 | N | NA |
| IMPL-D | 1307 | 0.0 | N | NA |
| IMPL-E | 1309 | 0.0 | N | Readings in quick succession due to moving equipment |
| IMPL-F | 1310 | 0.0 | N | NA |
| IMPL-G | 1312 | 0.0 | N | NA |
| IMPL-H | 1313 | 0.0 | N | NA |
| IMPL-I | 1314 | 0.0 | N | NA |
| IMPL-J | 1315 | 0.0 | N | NA |
| IMPL-K | 1317 | 0.0 | N | NA |
| IMPL-L | 1318 | 0.0 | N | NA |

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

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/15/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1352 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1355 | 0.0 | N | NA |
| SAM-3 | 1353 | 0.0 | N | NA |
| SAM-4 | 1358 | 0.0 | N | NA |
| IMPL-A | 1401 | 0.0 | N | NA |
| IMPL-B | 1402 | 0.0 | N | NA |
| IMPL-C | 1404 | 0.0 | N | NA |
| IMPL-D | 1406 | 0.0 | N | NA |
| IMPL-E | 1407 | 0.0 | N | Readings in quick succession due to moving equipment |
| IMPL-F | 1409 | 0.0 | N | NA |
| IMPL-G | 1410 | 0.0 | N | NA |
| IMPL-H | 1412 | 0.0 | N | NA |
| IMPL-I | 1414 | 0.0 | N | NA |
| IMPL-J | 1415 | 0.0 | N | NA |
| IMPL-K | 1417 | 0.0 | N | NA |
| IMPL-L | 1418 | 0.0 | N | NA |

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

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/15/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1452 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1455 | 0.0 | N | NA |
| SAM-3 | 1453 | 0.0 | N | NA |
| SAM-4 | 1458 | 0.0 | N | NA |
| IMPL-A | 1501 | 0.0 | N | NA |
| IMPL-B | 1502 | 0.0 | N | NA |
| IMPL-C | 1504 | 0.0 | N | NA |
| IMPL-D | 1506 | 0.0 | N | NA |
| IMPL-E | 1507 | 0.0 | N | Readings in quick succession due to moving equipment |
| IMPL-F | 1509 | 0.0 | N | NA |
| IMPL-G | 1510 | 0.0 | N | NA |
| IMPL-H | 1512 | 0.0 | N | NA |
| IMPL-I | 1514 | 0.0 | N | NA |
| IMPL-J | 1515 | 0.0 | N | NA |
| IMPL-K | 1517 | 0.0 | N | NA |
| IMPL-L | 1518 | 0.0 | N | NA |

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

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/15/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1552 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1555 | 0.0 | N | NA |
| SAM-3 | 1553 | 0.0 | N | NA |
| SAM-4 | 1558 | 0.0 | N | NA |
| IMPL-A | 1601 | 0.0 | N | NA |
| IMPL-B | 1602 | 0.0 | N | NA |
| IMPL-C | 1604 | 0.0 | N | NA |
| IMPL-D | 1605 | 0.0 | N | NA |
| IMPL-E | 1606 | 0.0 | N | Readings in quick succession due to moving equipment |
| IMPL-F | 1608 | 0.0 | N | NA |
| IMPL-G | 1609 | 0.0 | N | NA |
| IMPL-H | 1611 | 0.0 | N | NA |
| IMPL-I | 1612 | 0.0 | N | NA |
| IMPL-J | 1614 | 0.0 | N | NA |
| IMPL-K | 1615 | 0.0 | N | NA |
| IMPL-L | 1617 | 0.0 | N | NA |

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

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

| Date: 12/17/2021 | Technician Name: Marshall Arendell | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 0801 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 0812 | 0.0 | N | NA |
| SAM-3 | 0802 | 0.0 | N | NA |
| SAM-4 | 0808 | 0.0 | N | NA |
| IMPL-A | 0814 | 0.0 | N | NA |
| IMPL-B | 0816 | 0.0 | N | NA |
| IMPL-C | 0819 | 0.0 | N | NA |
| IMPL-D | 0821 | 0.0 | N | NA |
| IMPL-E | 0823 | 0.0 | N | NA |
| IMPL-F | 0825 | 0.0 | N | NA |
| IMPL-G | 0827 | 0.0 | N | NA |
| IMPL-H | 0829 | 0.0 | N | NA |
| IMPL-I | 0832 | 0.0 | N | NA |
| IMPL-J | 0833 | 0.0 | N | NA |
| IMPL-K | 0835 | 0.0 | N | NA |
| IMPL-L | 0837 | 0.0 | N | NA |

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

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4. Confirm all analyzers are in "operate" mode

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| Date: 12/17/2021 | Technician Name: Marshall Arendell | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 0850 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 0903 | 0.0 | N | NA |
| SAM-3 | 0851 | 0.0 | N | NA |
| SAM-4 | 0859 | 0.0 | N | NA |
| IMPL-A | 0903 | 0.0 | N | NA |
| IMPL-B | 0905 | 0.0 | N | NA |
| IMPL-C | 0907 | 0.0 | N | NA |
| IMPL-D | 0909 | 0.0 | N | NA |
| IMPL-E | 0912 | 0.0 | N | NA |
| IMPL-F | 0914 | 0.0 | N | NA |
| IMPL-G | 0916 | 0.0 | N | NA |
| IMPL-H | 0918 | 0.0 | N | NA |
| IMPL-I | 0920 | 0.0 | N | NA |
| IMPL-J | 1623 | 0.0 | N | NA |
| IMPL-K | 1625 | 0.0 | N | NA |
| IMPL-L | 1627 | 0.0 | N | NA |

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

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/17/2021 | Technician Name: Marshall Arendell | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 0952 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1000 | 0.0 | N | NA |
| SAM-3 | 0953 | 0.0 | N | NA |
| SAM-4 | 0957 | 0.0 | N | NA |
| IMPL-A | 1004 | 0.0 | N | NA |
| IMPL-B | 1006 | 0.0 | N | NA |
| IMPL-C | 1008 | 0.0 | N | NA |
| IMPL-D | 1010 | 0.0 | N | NA |
| IMPL-E | 1012 | 0.0 | N | NA |
| IMPL-F | 1015 | 0.0 | N | NA |
| IMPL-G | 1017 | 0.0 | N | NA |
| IMPL-H | 1019 | 0.0 | N | NA |
| IMPL-I | 1021 | 0.0 | N | NA |
| IMPL-J | 1024 | 0.0 | N | NA |
| IMPL-K | 1026 | 0.0 | N | NA |
| IMPL-L | 1028 | 0.0 | N | NA |

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

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/15/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1045 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1059 | 0.0 | N | NA |
| SAM-3 | 1048 | 0.0 | N | NA |
| SAM-4 | 1053 | 0.0 | N | NA |
| IMPL-A | 1102 | 0.0 | N | NA |
| IMPL-B | 1104 | 0.0 | N | Readings in quick succession due to moving equipment |
| IMPL-C | 1105 | 0.0 | N | NA |
| IMPL-D | 1106 | 0.0 | N | NA |
| IMPL-E | 1108 | 0.0 | N | NA |
| IMPL-F | 1109 | 0.0 | N | NA |
| IMPL-G | 1110 | 0.0 | N | NA |
| IMPL-H | 1111 | 0.0 | N | NA |
| IMPL-I | 1113 | 0.0 | N | NA |
| IMPL-J | 1114 | 0.0 | N | NA |
| IMPL-K | 1116 | 0.0 | N | NA |
| IMPL-L | 1117 | 0.0 | N | NA |

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

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| Date: 12/17/2021 | Technician Name: Marshall Arendell | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1200 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1205 | 0.0 | N | NA |
| SAM-3 | 1202 | 0.0 | N | NA |
| SAM-4 | 1210 | 0.0 | N | NA |
| IMPL-A | 1213 | 0.0 | N | NA |
| IMPL-B | 1215 | 0.0 | N | NA |
| IMPL-C | 1217 | 0.0 | N | NA |
| IMPL-D | 1219 | 0.0 | N | NA |
| IMPL-E | 1222 | 0.0 | N | NA |
| IMPL-F | 1224 | 0.0 | N | NA |
| IMPL-G | 1226 | 0.0 | N | NA |
| IMPL-H | 1228 | 0.0 | N | NA |
| IMPL-I | 1229 | 0.0 | N | NA |
| IMPL-J | 1230 | 0.0 | N | NA |
| IMPL-K | 1232 | 0.0 | N | NA |
| IMPL-L | 1233 | 0.0 | N | NA |

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

At the end of the day:

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/17/2021 | Technician Name: Marshall Arendell | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1300 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1305 | 0.0 | N | NA |
| SAM-3 | 1302 | 0.0 | N | NA |
| SAM-4 | 1310 | 0.0 | N | NA |
| IMPL-A | 1313 | 0.0 | N | NA |
| IMPL-B | 1315 | 0.0 | N | NA |
| IMPL-C | 1317 | 0.0 | N | NA |
| IMPL-D | 1318 | 0.0 | N | NA |
| IMPL-E | 1321 | 0.0 | N | NA |
| IMPL-F | 1323 | 0.0 | N | NA |
| IMPL-G | 1325 | 0.0 | N | NA |
| IMPL-H | 1327 | 0.0 | N | NA |
| IMPL-I | 1329 | 0.0 | N | NA |
| IMPL-J | 1330 | 0.0 | N | NA |
| IMPL-K | 1332 | 0.0 | N | NA |
| IMPL-L | 1334 | 0.0 | N | NA |

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

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/17/2021 | Technician Name: Marshall Arendell | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1400 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1406 | 0.0 | N | NA |
| SAM-3 | 1402 | 0.0 | N | NA |
| SAM-4 | 1411 | 0.0 | N | NA |
| IMPL-A | 1413 | 0.0 | N | NA |
| IMPL-B | 1415 | 0.0 | N | NA |
| IMPL-C | 1417 | 0.0 | N | NA |
| IMPL-D | 1418 | 0.0 | N | NA |
| IMPL-E | 1421 | 0.0 | N | NA |
| IMPL-F | 1423 | 0.0 | N | NA |
| IMPL-G | 1425 | 0.0 | N | NA |
| IMPL-H | 1427 | 0.0 | N | NA |
| IMPL-I | 1429 | 0.0 | N | NA |
| IMPL-J | 1430 | 0.0 | N | NA |
| IMPL-K | 1432 | 0.0 | N | NA |
| IMPL-L | 1434 | 0.0 | N | NA |

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|---|---|

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/17/2021 | Technician Name: Marshall Arendell | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1500 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1506 | 0.0 | N | NA |
| SAM-3 | 1502 | 0.0 | N | NA |
| SAM-4 | 1511 | 0.0 | N | NA |
| IMPL-A | 1513 | 0.0 | N | NA |
| IMPL-B | 1515 | 0.0 | N | NA |
| IMPL-C | 1517 | 0.0 | N | NA |
| IMPL-D | 1518 | 0.0 | N | NA |
| IMPL-E | 1520 | 0.0 | N | NA |
| IMPL-F | 1523 | 0.0 | N | NA |
| IMPL-G | 1525 | 0.0 | N | NA |
| IMPL-H | 1527 | 0.0 | N | NA |
| IMPL-I | 1529 | 0.0 | N | NA |
| IMPL-J | 1530 | 0.0 | N | NA |
| IMPL-K | 1532 | 0.0 | N | NA |
| IMPL-L | 1533 | 0.0 | N | NA |

| Safety Observation/Suggestion: | |
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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/17/2021 | Technician Name: Marshall Arendell | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1545 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1556 | 0.0 | N | NA |
| SAM-3 | 1548 | 0.0 | N | NA |
| SAM-4 | 1551 | 0.0 | N | NA |
| IMPL-A | 1559 | 0.0 | N | NA |
| IMPL-B | 1600 | 0.0 | N | NA |
| IMPL-C | 1602 | 0.0 | N | NA |
| IMPL-D | 1603 | 0.0 | N | NA |
| IMPL-E | 1605 | 0.0 | N | NA |
| IMPL-F | 1607 | 0.0 | N | NA |
| IMPL-G | 1609 | 0.0 | N | NA |
| IMPL-H | 1610 | 0.0 | N | NA |
| IMPL-I | 1612 | 0.0 | N | NA |
| IMPL-J | 1612 | 0.0 | N | NA |
| IMPL-K | 1615 | 0.0 | N | NA |
| IMPL-L | 1616 | 0.0 | N | NA |

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/20/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 0924 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 0926 | 0.0 | N | NA |
| SAM-3 | 0928 | 0.0 | N | NA |
| SAM-4 | 0930 | 0.0 | N | NA |
| IMPL-A | 0903 | 0.0 | N | NA |
| IMPL-B | 0906 | 0.0 | N | NA |
| IMPL-C | 0909 | 0.0 | N | NA |
| IMPL-D | 0911 | 0.0 | N | NA |
| IMPL-E | 0913 | 0.0 | N | NA |
| IMPL-F | 0915 | 0.0 | N | NA |
| IMPL-G | 0916 | 0.0 | N | NA |
| IMPL-H | 0917 | 0.0 | N | NA |
| IMPL-I | 0918 | 0.0 | N | NA |
| IMPL-J | 0921 | 0.0 | N | NA |
| IMPL-K | 0922 | 0.0 | N | NA |
| IMPL-L | 0924 | 0.0 | N | NA |

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/21/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 0914 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 0916 | 0.0 | N | NA |
| SAM-3 | 0918 | 0.0 | N | NA |
| SAM-4 | 0920 | 0.0 | N | NA |
| IMPL-A | 0900 | 0.0 | N | NA |
| IMPL-B | 0901 | 0.0 | N | NA |
| IMPL-C | 0902 | 0.0 | N | NA |
| IMPL-D | 0903 | 0.0 | N | NA |
| IMPL-E | 0904 | 0.0 | N | NA |
| IMPL-F | 0905 | 0.0 | N | NA |
| IMPL-G | 0906 | 0.0 | N | NA |
| IMPL-H | 0908 | 0.0 | N | NA |
| IMPL-I | 0910 | 0.0 | N | NA |
| IMPL-J | 0911 | 0.0 | N | NA |
| IMPL-K | 0912 | 0.0 | N | NA |
| IMPL-L | 0913 | 0.0 | N | NA |

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| Date: 12/21/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 0914 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 0916 | 0.0 | N | NA |
| SAM-3 | 0918 | 0.0 | N | NA |
| SAM-4 | 0920 | 0.0 | N | NA |
| IMPL-A | 0900 | 0.0 | N | NA |
| IMPL-B | 0901 | 0.0 | N | NA |
| IMPL-C | 0902 | 0.0 | N | NA |
| IMPL-D | 0903 | 0.0 | N | NA |
| IMPL-E | 0904 | 0.0 | N | NA |
| IMPL-F | 0905 | 0.0 | N | NA |
| IMPL-G | 0906 | 0.0 | N | NA |
| IMPL-H | 0908 | 0.0 | N | NA |
| IMPL-I | 0910 | 0.0 | N | NA |
| IMPL-J | 0911 | 0.0 | N | NA |
| IMPL-K | 0912 | 0.0 | N | NA |
| IMPL-L | 0913 | 0.0 | N | NA |

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| Date: 12/21/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1101 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1055 | 0.0 | N | NA |
| SAM-3 | 1107 | 0.0 | N | NA |
| SAM-4 | 1115 | 0.0 | N | NA |
| IMPL-A | 1056 | 0.0 | N | NA |
| IMPL-B | 1058 | 0.0 | N | NA |
| IMPL-C | 1059 | 0.0 | N | NA |
| IMPL-D | 1100 | 0.0 | N | NA |
| IMPL-E | 1103 | 0.0 | N | NA |
| IMPL-F | 1104 | 0.0 | N | NA |
| IMPL-G | 1109 | 0.0 | N | NA |
| IMPL-H | 1110 | 0.0 | N | NA |
| IMPL-I | 1111 | 0.0 | N | NA |
| IMPL-J | 1112 | 0.0 | N | NA |
| IMPL-K | 1117 | 0.0 | N | NA |
| IMPL-L | 1120 | 0.0 | N | NA |

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|---|---|

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/21/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1220 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1206 | 0.0 | N | NA |
| SAM-3 | 1210 | 0.0 | N | NA |
| SAM-4 | 1215 | 0.0 | N | NA |
| IMPL-A | 1200 | 0.0 | N | NA |
| IMPL-B | 1201 | 0.0 | N | NA |
| IMPL-C | 1202 | 0.0 | N | NA |
| IMPL-D | 1203 | 0.0 | N | NA |
| IMPL-E | 1204 | 0.0 | N | NA |
| IMPL-F | 1207 | 0.0 | N | NA |
| IMPL-G | 1208 | 0.0 | N | NA |
| IMPL-H | 1211 | 0.0 | N | NA |
| IMPL-I | 1212 | 0.0 | N | NA |
| IMPL-J | 1213 | 0.0 | N | NA |
| IMPL-K | 1217 | 0.0 | N | NA |
| IMPL-L | 1218 | 0.0 | N | NA |

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

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/21/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1402 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1353 | 0.0 | N | NA |
| SAM-3 | 1356 | 0.0 | N | NA |
| SAM-4 | 1115 | 0.0 | N | NA |
| IMPL-A | 1345 | 0.0 | N | NA |
| IMPL-B | 1346 | 0.0 | N | NA |
| IMPL-C | 1348 | 0.0 | N | NA |
| IMPL-D | 1349 | 0.0 | N | NA |
| IMPL-E | 1350 | 0.0 | N | NA |
| IMPL-F | 1354 | 0.0 | N | NA |
| IMPL-G | 1355 | 0.0 | N | NA |
| IMPL-H | 1358 | 0.0 | N | NA |
| IMPL-I | 1359 | 0.0 | N | NA |
| IMPL-J | 1400 | 0.0 | N | NA |
| IMPL-K | 1405 | 0.0 | N | NA |
| IMPL-L | 1407 | 0.0 | N | NA |

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

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/21/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1402 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm<br>This PID reading ran into the 1300 PID reading. |
| SAM-2 | 1410 | 0.0 | N | NA |
| SAM-3 | 1413 | 0.0 | N | NA |
| SAM-4 | 1416 | 0.0 | N | NA |
| IMPL-A | 1407 | 0.0 | N | NA |
| IMPL-B | 1407 | 0.0 | N | NA |
| IMPL-C | 1408 | 0.0 | N | NA |
| IMPL-D | 1408 | 0.0 | N | NA |
| IMPL-E | 1409 | 0.0 | N | NA |
| IMPL-F | 1411 | 0.0 | N | NA |
| IMPL-G | 1412 | 0.0 | N | NA |
| IMPL-H | 1413 | 0.0 | N | NA |
| IMPL-I | 1415 | 0.0 | N | NA |
| IMPL-J | 1415 | 0.0 | N | NA |
| IMPL-K | 1417 | 0.0 | N | NA |
| IMPL-L | 1418 | 0.0 | N | NA |

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|---|---|

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/21/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1520 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1516 | 0.0 | N | NA |
| SAM-3 | 1524 | 0.0 | N | NA |
| SAM-4 | 1533 | 0.0 | N | NA |
| IMPL-A | 1510 | 0.0 | N | NA |
| IMPL-B | 1511 | 0.0 | N | NA |
| IMPL-C | 1512 | 0.0 | N | NA |
| IMPL-D | 1513 | 0.0 | N | NA |
| IMPL-E | 1514 | 0.0 | N | NA |
| IMPL-F | 1518 | 0.0 | N | NA |
| IMPL-G | 1519 | 0.0 | N | NA |
| IMPL-H | 1526 | 0.0 | N | NA |
| IMPL-I | 1529 | 0.0 | N | NA |
| IMPL-J | 1531 | 0.0 | N | NA |
| IMPL-K | 1535 | 0.0 | N | NA |
| IMPL-L | 1538 | 0.0 | N | Slight oily odor as road is torn up on northern 5th st. |

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

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/21/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1611 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1606 | 0.0 | N | NA |
| SAM-3 | 1615 | 0.0 | N | NA |
| SAM-4 | 1622 | 0.0 | N | NA |
| IMPL-A | 1600 | 0.0 | N | NA |
| IMPL-B | 1601 | 0.0 | N | NA |
| IMPL-C | 1602 | 0.0 | N | NA |
| IMPL-D | 1603 | 0.0 | N | NA |
| IMPL-E | 1604 | 0.0 | N | NA |
| IMPL-F | 1608 | 0.0 | N | NA |
| IMPL-G | 1609 | 0.0 | N | NA |
| IMPL-H | 1612 | 0.0 | N | NA |
| IMPL-I | 1613 | 0.0 | N | NA |
| IMPL-J | 1618 | 0.0 | N | NA |
| IMPL-K | 1624 | 0.0 | N | NA |
| IMPL-L | 1626 | 0.0 | N | Slight oily odor as road is torn up on northern 5th st dissipating |

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

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| Date: 12/20/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1024 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1026 | 0.0 | N | NA |
| SAM-3 | 1028 | 0.0 | N | NA |
| SAM-4 | 1030 | 0.0 | N | NA |
| IMPL-A | 1003 | 0.0 | N | NA |
| IMPL-B | 1006 | 0.0 | N | NA |
| IMPL-C | 1009 | 0.0 | N | NA |
| IMPL-D | 1011 | 0.0 | N | NA |
| IMPL-E | 1013 | 0.0 | N | NA |
| IMPL-F | 1015 | 0.0 | N | NA |
| IMPL-G | 1016 | 0.0 | N | NA |
| IMPL-H | 1017 | 0.0 | N | NA |
| IMPL-I | 1018 | 0.0 | N | NA |
| IMPL-J | 1021 | 0.0 | N | NA |
| IMPL-K | 1022 | 0.0 | N | NA |
| IMPL-L | 1024 | 0.0 | N | NA |

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| Date: 12/20/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1528 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1530 | 0.0 | N | NA |
| SAM-3 | 1532 | 0.0 | N | NA |
| SAM-4 | 1534 | 0.0 | N | NA |
| IMPL-A | 1521 | 0.0 | N | NA |
| IMPL-B | 1522 | 0.0 | N | NA |
| IMPL-C | 1523 | 0.0 | N | NA |
| IMPL-D | 1523 | 0.0 | N | NA |
| IMPL-E | 1524 | 0.0 | N | NA |
| IMPL-F | 1524 | 0.0 | N | NA |
| IMPL-G | 1525 | 0.0 | N | NA |
| IMPL-H | 1526 | 0.0 | N | NA |
| IMPL-I | 1526 | 0.0 | N | NA |
| IMPL-J | 1527 | 0.0 | N | NA |
| IMPL-K | 1527 | 0.0 | N | NA |
| IMPL-L | 1528 | 0.0 | N | NA |

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

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

| Date: 12/21/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 0914 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 0916 | 0.0 | N | NA |
| SAM-3 | 0918 | 0.0 | N | NA |
| SAM-4 | 0920 | 0.0 | N | NA |
| IMPL-A | 0900 | 0.0 | N | NA |
| IMPL-B | 0901 | 0.0 | N | NA |
| IMPL-C | 0902 | 0.0 | N | NA |
| IMPL-D | 0903 | 0.0 | N | NA |
| IMPL-E | 0904 | 0.0 | N | NA |
| IMPL-F | 0905 | 0.0 | N | NA |
| IMPL-G | 0906 | 0.0 | N | NA |
| IMPL-H | 0908 | 0.0 | N | NA |
| IMPL-I | 0910 | 0.0 | N | NA |
| IMPL-J | 0911 | 0.0 | N | NA |
| IMPL-K | 0912 | 0.0 | N | NA |
| IMPL-L | 0913 | 0.0 | N | NA |

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

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 0914 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 0916 | 0.0 | N | NA |
| SAM-3 | 0918 | 0.0 | N | NA |
| SAM-4 | 0920 | 0.0 | N | NA |
| IMPL-A | 0900 | 0.0 | N | NA |
| IMPL-B | 0901 | 0.0 | N | NA |
| IMPL-C | 0902 | 0.0 | N | NA |
| IMPL-D | 0903 | 0.0 | N | NA |
| IMPL-E | 0904 | 0.0 | N | NA |
| IMPL-F | 0905 | 0.0 | N | NA |
| IMPL-G | 0906 | 0.0 | N | NA |
| IMPL-H | 0908 | 0.0 | N | NA |
| IMPL-I | 0910 | 0.0 | N | NA |
| IMPL-J | 0911 | 0.0 | N | NA |
| IMPL-K | 0912 | 0.0 | N | NA |
| IMPL-L | 0913 | 0.0 | N | NA |

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| Date: 12/21/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1101 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1055 | 0.0 | N | NA |
| SAM-3 | 1107 | 0.0 | N | NA |
| SAM-4 | 1115 | 0.0 | N | NA |
| IMPL-A | 1056 | 0.0 | N | NA |
| IMPL-B | 1058 | 0.0 | N | NA |
| IMPL-C | 1059 | 0.0 | N | NA |
| IMPL-D | 1100 | 0.0 | N | NA |
| IMPL-E | 1103 | 0.0 | N | NA |
| IMPL-F | 1104 | 0.0 | N | NA |
| IMPL-G | 1109 | 0.0 | N | NA |
| IMPL-H | 1110 | 0.0 | N | NA |
| IMPL-I | 1111 | 0.0 | N | NA |
| IMPL-J | 1112 | 0.0 | N | NA |
| IMPL-K | 1117 | 0.0 | N | NA |
| IMPL-L | 1120 | 0.0 | N | NA |

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|---|---|

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/21/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1220 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1206 | 0.0 | N | NA |
| SAM-3 | 1210 | 0.0 | N | NA |
| SAM-4 | 1215 | 0.0 | N | NA |
| IMPL-A | 1200 | 0.0 | N | NA |
| IMPL-B | 1201 | 0.0 | N | NA |
| IMPL-C | 1202 | 0.0 | N | NA |
| IMPL-D | 1203 | 0.0 | N | NA |
| IMPL-E | 1204 | 0.0 | N | NA |
| IMPL-F | 1207 | 0.0 | N | NA |
| IMPL-G | 1208 | 0.0 | N | NA |
| IMPL-H | 1211 | 0.0 | N | NA |
| IMPL-I | 1212 | 0.0 | N | NA |
| IMPL-J | 1213 | 0.0 | N | NA |
| IMPL-K | 1217 | 0.0 | N | NA |
| IMPL-L | 1218 | 0.0 | N | NA |

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/21/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1402 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1353 | 0.0 | N | NA |
| SAM-3 | 1356 | 0.0 | N | NA |
| SAM-4 | 1115 | 0.0 | N | NA |
| IMPL-A | 1345 | 0.0 | N | NA |
| IMPL-B | 1346 | 0.0 | N | NA |
| IMPL-C | 1348 | 0.0 | N | NA |
| IMPL-D | 1349 | 0.0 | N | NA |
| IMPL-E | 1350 | 0.0 | N | NA |
| IMPL-F | 1354 | 0.0 | N | NA |
| IMPL-G | 1355 | 0.0 | N | NA |
| IMPL-H | 1358 | 0.0 | N | NA |
| IMPL-I | 1359 | 0.0 | N | NA |
| IMPL-J | 1400 | 0.0 | N | NA |
| IMPL-K | 1405 | 0.0 | N | NA |
| IMPL-L | 1407 | 0.0 | N | NA |

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/21/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1402 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm<br>This PID reading ran into the 1300 PID reading. |
| SAM-2 | 1410 | 0.0 | N | NA |
| SAM-3 | 1413 | 0.0 | N | NA |
| SAM-4 | 1416 | 0.0 | N | NA |
| IMPL-A | 1407 | 0.0 | N | NA |
| IMPL-B | 1407 | 0.0 | N | NA |
| IMPL-C | 1408 | 0.0 | N | NA |
| IMPL-D | 1408 | 0.0 | N | NA |
| IMPL-E | 1409 | 0.0 | N | NA |
| IMPL-F | 1411 | 0.0 | N | NA |
| IMPL-G | 1412 | 0.0 | N | NA |
| IMPL-H | 1413 | 0.0 | N | NA |
| IMPL-I | 1415 | 0.0 | N | NA |
| IMPL-J | 1415 | 0.0 | N | NA |
| IMPL-K | 1417 | 0.0 | N | NA |
| IMPL-L | 1418 | 0.0 | N | NA |

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

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| Date: 12/21/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1520 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1516 | 0.0 | N | NA |
| SAM-3 | 1524 | 0.0 | N | NA |
| SAM-4 | 1533 | 0.0 | N | NA |
| IMPL-A | 1510 | 0.0 | N | NA |
| IMPL-B | 1511 | 0.0 | N | NA |
| IMPL-C | 1512 | 0.0 | N | NA |
| IMPL-D | 1513 | 0.0 | N | NA |
| IMPL-E | 1514 | 0.0 | N | NA |
| IMPL-F | 1518 | 0.0 | N | NA |
| IMPL-G | 1519 | 0.0 | N | NA |
| IMPL-H | 1526 | 0.0 | N | NA |
| IMPL-I | 1529 | 0.0 | N | NA |
| IMPL-J | 1531 | 0.0 | N | NA |
| IMPL-K | 1535 | 0.0 | N | NA |
| IMPL-L | 1538 | 0.0 | N | Slight oily odor as road is torn up on northern 5th st. |

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

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/21/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1611 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1606 | 0.0 | N | NA |
| SAM-3 | 1615 | 0.0 | N | NA |
| SAM-4 | 1622 | 0.0 | N | NA |
| IMPL-A | 1600 | 0.0 | N | NA |
| IMPL-B | 1601 | 0.0 | N | NA |
| IMPL-C | 1602 | 0.0 | N | NA |
| IMPL-D | 1603 | 0.0 | N | NA |
| IMPL-E | 1604 | 0.0 | N | NA |
| IMPL-F | 1608 | 0.0 | N | NA |
| IMPL-G | 1609 | 0.0 | N | NA |
| IMPL-H | 1612 | 0.0 | N | NA |
| IMPL-I | 1613 | 0.0 | N | NA |
| IMPL-J | 1618 | 0.0 | N | NA |
| IMPL-K | 1624 | 0.0 | N | NA |
| IMPL-L | 1626 | 0.0 | N | Slight oily odor as road is torn up on northern 5th st dissipating |

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

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| Date: 12/22/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 0815 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 0808 | 0.0 | N | NA |
| SAM-3 | 0832 | 0.0 | N | NA |
| SAM-4 | 0840 | 0.0 | N | NA |
| IMPL-A | 0800 | 0.0 | N | NA |
| IMPL-B | 0803 | 0.0 | N | NA |
| IMPL-C | 0805 | 0.0 | N | NA |
| IMPL-D | 0806 | 0.0 | N | NA |
| IMPL-E | 0810 | 0.0 | N | NA |
| IMPL-F | 0812 | 0.0 | N | NA |
| IMPL-G | 0818 | 0.0 | N | NA |
| IMPL-H | 0821 | 0.0 | N | NA |
| IMPL-I | 0824 | 0.0 | N | NA |
| IMPL-J | 0827 | 0.0 | N | NA |
| IMPL-K | 0835 | 0.0 | N | NA |
| IMPL-L | 0838 | 0.0 | N | Slight oily odor as road is torn up on northern 5th st dissipating |

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

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/22/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 0815 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 0808 | 0.0 | N | NA |
| SAM-3 | 0832 | 0.0 | N | NA |
| SAM-4 | 0840 | 0.0 | N | NA |
| IMPL-A | 0800 | 0.0 | N | NA |
| IMPL-B | 0803 | 0.0 | N | NA |
| IMPL-C | 0805 | 0.0 | N | NA |
| IMPL-D | 0806 | 0.0 | N | NA |
| IMPL-E | 0810 | 0.0 | N | NA |
| IMPL-F | 0812 | 0.0 | N | NA |
| IMPL-G | 0818 | 0.0 | N | NA |
| IMPL-H | 0821 | 0.0 | N | NA |
| IMPL-I | 0824 | 0.0 | N | NA |
| IMPL-J | 0827 | 0.0 | N | NA |
| IMPL-K | 0835 | 0.0 | N | NA |
| IMPL-L | 0838 | 0.0 | N | Slight oily odor as road is torn up on northern 5th st dissipating |

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

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/22/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1003 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 0958 | 0.0 | N | NA |
| SAM-3 | 1007 | 0.0 | N | NA |
| SAM-4 | 1009 | 0.0 | N | NA |
| IMPL-A | 0950 | 0.0 | N | Oily odor with brief 0.1ppm hits for 10 secs |
| IMPL-B | 0952 | 0.0 | N | NA |
| IMPL-C | 0954 | 0.0 | N | NA |
| IMPL-D | 0956 | 0.0 | N | NA |
| IMPL-E | 0959 | 0.0 | N | NA |
| IMPL-F | 1000 | 0.0 | N | NA |
| IMPL-G | 1001 | 0.0 | N | NA |
| IMPL-H | 1005 | 0.0 | N | NA |
| IMPL-I | 1006 | 0.0 | N | NA |
| IMPL-J | 1008 | 0.0 | N | NA |
| IMPL-K | 1009 | 0.0 | N | NA |
| IMPL-L | 1010 | 0.0 | N | Slight oily odor as road is torn up on northern 5th st dissipating |

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

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Twice Daily Quality Site Check Form

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

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1113 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1106 | 0.0 | N | NA |
| SAM-3 | 1117 | 0.0 | N | NA |
| SAM-4 | 1122 | 0.0 | N | NA |
| IMPL-A | 1100 | 0.0 | N | Oily odor with brief 0.1ppm hits for 10 secs |
| IMPL-B | 1101 | 0.0 | N | NA |
| IMPL-C | 1103 | 0.0 | N | NA |
| IMPL-D | 1104 | 0.0 | N | NA |
| IMPL-E | 1108 | 0.0 | N | NA |
| IMPL-F | 1110 | 0.0 | N | NA |
| IMPL-G | 1114 | 0.0 | N | NA |
| IMPL-H | 1115 | 0.0 | N | NA |
| IMPL-I | 1118 | 0.0 | N | NA |
| IMPL-J | 1119 | 0.0 | N | NA |
| IMPL-K | 1120 | 0.0 | N | NA |
| IMPL-L | 1123 | 0.0 | N | Slight oily odor as road is torn up on northern 5th st dissipating |

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/22/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1311 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1306 | 0.0 | N | NA |
| SAM-3 | 1316 | 0.0 | N | NA |
| SAM-4 | 1320 | 0.0 | N | NA |
| IMPL-A | 1300 | 0.0 | N | Oily odor with brief 0.1ppm hits for 10 secs |
| IMPL-B | 1301 | 0.0 | N | NA |
| IMPL-C | 1302 | 0.0 | N | NA |
| IMPL-D | 1303 | 0.0 | N | NA |
| IMPL-E | 1304 | 0.0 | N | NA |
| IMPL-F | 1308 | 0.0 | N | NA |
| IMPL-G | 1309 | 0.0 | N | NA |
| IMPL-H | 1312 | 0.0 | N | NA |
| IMPL-I | 1314 | 0.0 | N | NA |
| IMPL-J | 1319 | 0.0 | N | NA |
| IMPL-K | 1324 | 0.0 | N | NA |
| IMPL-L | 1327 | 0.0 | N | Slight oily odor as road is torn up on northern 5th st dissipating |

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|---|---|

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# Ambient Air Quality Monitoring Network
## Twice Daily Quality Site Check Form

| Date: 12/22/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1408 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1400 | 0.0 | N | NA |
| SAM-3 | 1413 | 0.0 | N | NA |
| SAM-4 | 1417 | 0.0 | N | NA |
| IMPL-A | 1401 | 0.0 | N | Oily odor with brief 0.1ppm hits for 10 secs |
| IMPL-B | 1402 | 0.0 | N | NA |
| IMPL-C | 1403 | 0.0 | N | NA |
| IMPL-D | 1404 | 0.0 | N | NA |
| IMPL-E | 1405 | 0.0 | N | NA |
| IMPL-F | 1409 | 0.0 | N | NA |
| IMPL-G | 1410 | 0.0 | N | NA |
| IMPL-H | 1414 | 0.0 | N | NA |
| IMPL-I | 1415 | 0.0 | N | NA |
| IMPL-J | 1416 | 0.0 | N | NA |
| IMPL-K | 1419 | 0.0 | N | NA |
| IMPL-L | 1420 | 0.0 | N | Slight oily odor as road is torn up on northern 5th st dissipating |

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|---|---|

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| Date: 12/22/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1505 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1500 | 0.0 | N | NA |
| SAM-3 | 1509 | 0.0 | N | NA |
| SAM-4 | 1515 | 0.0 | N | NA |
| IMPL-A | 1501 | 0.0 | N | Oily odor with brief 0.1ppm hits for 10 secs |
| IMPL-B | 1502 | 0.0 | N | NA |
| IMPL-C | 1503 | 0.0 | N | NA |
| IMPL-D | 1504 | 0.0 | N | NA |
| IMPL-E | 1506 | 0.0 | N | NA |
| IMPL-F | 1507 | 0.0 | N | NA |
| IMPL-G | 1510 | 0.0 | N | NA |
| IMPL-H | 1511 | 0.0 | N | NA |
| IMPL-I | 1512 | 0.0 | N | NA |
| IMPL-J | 1513 | 0.0 | N | NA |
| IMPL-K | 1516 | 0.0 | N | NA |
| IMPL-L | 1520 | 0.0 | N | Slight oily odor as road is torn up on northern 5th st dissipating |

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

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| Date: 12/23/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 0807 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 0759 | 0.0 | N | NA |
| SAM-3 | 0814 | 0.0 | N | NA |
| SAM-4 | 0819 | 0.0 | N | NA |
| IMPL-A | 0800 | 0.0 | N | NA |
| IMPL-B | 0801 | 0.0 | N | NA |
| IMPL-C | 0802 | 0.0 | N | NA |
| IMPL-D | 0803 | 0.0 | N | NA |
| IMPL-E | 0804 | 0.0 | N | NA |
| IMPL-F | 0810 | 0.0 | N | NA |
| IMPL-G | 0811 | 0.0 | N | NA |
| IMPL-H | 0815 | 0.0 | N | NA |
| IMPL-I | 0816 | 0.0 | N | NA |
| IMPL-J | 0817 | 0.0 | N | NA |
| IMPL-K | 0820 | 0.0 | N | NA |
| IMPL-L | 0821 | 0.0 | N | NA |

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

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/23/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 0907 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 0924 | 0.0 | N | NA |
| SAM-3 | 0914 | 0.0 | N | NA |
| SAM-4 | 0919 | 0.0 | N | NA |
| IMPL-A | 0900 | 0.0 | N | NA |
| IMPL-B | 0901 | 0.0 | N | NA |
| IMPL-C | 0902 | 0.0 | N | NA |
| IMPL-D | 0903 | 0.0 | N | NA |
| IMPL-E | 0904 | 0.0 | N | NA |
| IMPL-F | 0910 | 0.0 | N | NA |
| IMPL-G | 0911 | 0.0 | N | NA |
| IMPL-H | 0915 | 0.0 | N | NA |
| IMPL-I | 0916 | 0.0 | N | NA |
| IMPL-J | 0917 | 0.0 | N | NA |
| IMPL-K | 0920 | 0.0 | N | NA |
| IMPL-L | 0921 | 0.0 | N | NA |

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

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/23/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1006 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1000 | 0.0 | N | NA |
| SAM-3 | 1010 | 0.0 | N | NA |
| SAM-4 | 1015 | 0.0 | N | NA |
| IMPL-A | 0900 | 0.0 | N | NA |
| IMPL-B | 1003 | 0.0 | N | NA |
| IMPL-C | 1004 | 0.0 | N | NA |
| IMPL-D | 1005 | 0.0 | N | NA |
| IMPL-E | 1007 | 0.0 | N | NA |
| IMPL-F | 1008 | 0.0 | N | NA |
| IMPL-G | 1009 | 0.0 | N | NA |
| IMPL-H | 1011 | 0.0 | N | NA |
| IMPL-I | 1012 | 0.0 | N | NA |
| IMPL-J | 1013 | 0.0 | N | NA |
| IMPL-K | 1016 | 0.0 | N | NA |
| IMPL-L | 1018 | 0.0 | N | NA |

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

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| Date: 12/23/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1100 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1106 | 0.0 | N | NA |
| SAM-3 | 1110 | 0.0 | N | NA |
| SAM-4 | 1113 | 0.0 | N | NA |
| IMPL-A | 1055 | 0.0 | N | NA |
| IMPL-B | 1056 | 0.0 | N | NA |
| IMPL-C | 1057 | 0.0 | N | NA |
| IMPL-D | 1058 | 0.0 | N | NA |
| IMPL-E | 1102 | 0.0 | N | NA |
| IMPL-F | 1103 | 0.0 | N | NA |
| IMPL-G | 1104 | 0.0 | N | NA |
| IMPL-H | 1107 | 0.0 | N | NA |
| IMPL-I | 1108 | 0.0 | N | NA |
| IMPL-J | 1109 | 0.0 | N | NA |
| IMPL-K | 1114 | 0.0 | N | NA |
| IMPL-L | 1115 | 0.0 | N | NA |

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|---|---|

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/23/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1209 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1206 | 0.0 | N | NA |
| SAM-3 | 1212 | 0.0 | N | NA |
| SAM-4 | 1217 | 0.0 | N | NA |
| IMPL-A | 1200 | 0.0 | N | NA |
| IMPL-B | 1201 | 0.0 | N | NA |
| IMPL-C | 1202 | 0.0 | N | NA |
| IMPL-D | 1203 | 0.0 | N | NA |
| IMPL-E | 1204 | 0.0 | N | NA |
| IMPL-F | 1208 | 0.0 | N | NA |
| IMPL-G | 1210 | 0.0 | N | NA |
| IMPL-H | 1211 | 0.0 | N | NA |
| IMPL-I | 1214 | 0.0 | N | NA |
| IMPL-J | 1215 | 0.0 | N | NA |
| IMPL-K | 1219 | 0.0 | N | NA |
| IMPL-L | 1220 | 0.0 | N | NA |

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

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/23/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1309 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1306 | 0.0 | N | NA |
| SAM-3 | 1312 | 0.0 | N | NA |
| SAM-4 | 1317 | 0.0 | N | NA |
| IMPL-A | 1300 | 0.0 | N | NA |
| IMPL-B | 1301 | 0.0 | N | NA |
| IMPL-C | 1302 | 0.0 | N | NA |
| IMPL-D | 1303 | 0.0 | N | NA |
| IMPL-E | 1304 | 0.0 | N | NA |
| IMPL-F | 1308 | 0.0 | N | NA |
| IMPL-G | 1310 | 0.0 | N | NA |
| IMPL-H | 1311 | 0.0 | N | NA |
| IMPL-I | 1314 | 0.0 | N | NA |
| IMPL-J | 1315 | 0.0 | N | NA |
| IMPL-K | 1319 | 0.0 | N | NA |
| IMPL-L | 1320 | 0.0 | N | NA |

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/27/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 0808 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 0805 | 0.0 | N | NA |
| SAM-3 | 0814 | 0.0 | N | NA |
| SAM-4 | 0819 | 0.0 | N | NA |
| IMPL-A | 0800 | 0.0 | N | NA |
| IMPL-B | 0801 | 0.0 | N | NA |
| IMPL-C | 0802 | 0.0 | N | NA |
| IMPL-D | 0803 | 0.0 | N | NA |
| IMPL-E | 0809 | 0.0 | N | NA |
| IMPL-F | 0810 | 0.0 | N | NA |
| IMPL-G | 0811 | 0.0 | N | NA |
| IMPL-H | 0815 | 0.0 | N | NA |
| IMPL-I | 0816 | 0.0 | N | NA |
| IMPL-J | 0817 | 0.0 | N | NA |
| IMPL-K | 0820 | 0.0 | N | NA |
| IMPL-L | 0823 | 0.0 | N | NA |

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|---|---|

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| Date: 12/27/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 0918 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 0914 | 0.0 | N | Slight vinegar-like odor |
| SAM-3 | 0922 | 0.0 | N | NA |
| SAM-4 | 0939 | 0.0 | N | NA |
| IMPL-A | 0910 | 0.0 | N | NA |
| IMPL-B | 0911 | 0.0 | N | NA |
| IMPL-C | 0912 | 0.0 | N | NA |
| IMPL-D | 0913 | 0.0 | N | NA |
| IMPL-E | 0916 | 0.0 | N | NA |
| IMPL-F | 0922 | 0.0 | N | NA |
| IMPL-G | 0925 | 0.0 | N | NA |
| IMPL-H | 0928 | 0.0 | N | NA |
| IMPL-I | 0934 | 0.0 | N | NA |
| IMPL-J | 0937 | 0.0 | N | NA |
| IMPL-K | 0942 | 0.0 | N | NA |
| IMPL-L | 0945 | 0.0 | N | NA |

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|---|---|

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| Date: 12/27/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1008 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1004 | 0.0 | N | Slight vinegar-like odor |
| SAM-3 | 1014 | 0.0 | N | NA |
| SAM-4 | 1018 | 0.0 | N | NA |
| IMPL-A | 1000 | 0.0 | N | NA |
| IMPL-B | 1001 | 0.0 | N | NA |
| IMPL-C | 1002 | 0.0 | N | NA |
| IMPL-D | 1003 | 0.0 | N | NA |
| IMPL-E | 1006 | 0.0 | N | NA |
| IMPL-F | 1007 | 0.0 | N | NA |
| IMPL-G | 1009 | 0.0 | N | NA |
| IMPL-H | 1011 | 0.0 | N | NA |
| IMPL-I | 1015 | 0.0 | N | NA |
| IMPL-J | 1016 | 0.0 | N | NA |
| IMPL-K | 1019 | 0.0 | N | NA |
| IMPL-L | 1021 | 0.0 | N | Slight vinegar-like odor east of station |

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

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| Date: 12/27/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1108 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1104 | 0.0 | N | NA |
| SAM-3 | 1111 | 0.0 | N | NA |
| SAM-4 | 1113 | 0.0 | N | NA |
| IMPL-A | 1100 | 0.0 | N | NA |
| IMPL-B | 1101 | 0.0 | N | NA |
| IMPL-C | 1102 | 0.0 | N | NA |
| IMPL-D | 1103 | 0.0 | N | NA |
| IMPL-E | 1105 | 0.0 | N | NA |
| IMPL-F | 1106 | 0.0 | N | NA |
| IMPL-G | 1107 | 0.0 | N | NA |
| IMPL-H | 1109 | 0.0 | N | NA |
| IMPL-I | 1110 | 0.0 | N | NA |
| IMPL-J | 1112 | 0.0 | N | NA |
| IMPL-K | 1114 | 0.0 | N | NA |
| IMPL-L | 1115 | 0.0 | N | NA |

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

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| Date: 12/27/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1208 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1204 | 0.0 | N | NA |
| SAM-3 | 1211 | 0.0 | N | NA |
| SAM-4 | 1213 | 0.0 | N | NA |
| IMPL-A | 1200 | 0.0 | N | NA |
| IMPL-B | 1201 | 0.0 | N | NA |
| IMPL-C | 1202 | 0.0 | N | NA |
| IMPL-D | 1203 | 0.0 | N | NA |
| IMPL-E | 1205 | 0.0 | N | NA |
| IMPL-F | 1206 | 0.0 | N | NA |
| IMPL-G | 1207 | 0.0 | N | NA |
| IMPL-H | 1209 | 0.0 | N | NA |
| IMPL-I | 1210 | 0.0 | N | NA |
| IMPL-J | 1212 | 0.0 | N | NA |
| IMPL-K | 1214 | 0.0 | N | NA |
| IMPL-L | 1215 | 0.0 | N | NA |

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|---|---|

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/27/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1326 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1330 | 0.0 | N | NA |
| SAM-3 | 1334 | 0.0 | N | NA |
| SAM-4 | 1340 | 0.0 | N | NA |
| IMPL-A | 1315 | 0.0 | N | NA |
| IMPL-B | 1317 | 0.0 | N | NA |
| IMPL-C | 1319 | 0.0 | N | NA |
| IMPL-D | 1320 | 0.0 | N | NA |
| IMPL-E | 1322 | 0.0 | N | NA |
| IMPL-F | 1324 | 0.0 | N | NA |
| IMPL-G | 1328 | 0.0 | N | NA |
| IMPL-H | 1332 | 0.0 | N | NA |
| IMPL-I | 1336 | 0.0 | N | NA |
| IMPL-J | 1338 | 0.0 | N | NA |
| IMPL-K | 1342 | 0.0 | N | NA |
| IMPL-L | 1345 | 0.0 | N | Consistent 0.1 ppm due to open manhole for bypass and strong west wind. |

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|---|---|

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/27/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1410 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1406 | 0.0 | N | NA |
| SAM-3 | 1415 | 0.0 | N | NA |
| SAM-4 | 1419 | 0.0 | N | NA |
| IMPL-A | 1400 | 0.0 | N | NA |
| IMPL-B | 1402 | 0.0 | N | NA |
| IMPL-C | 1403 | 0.0 | N | NA |
| IMPL-D | 1404 | 0.0 | N | NA |
| IMPL-E | 1405 | 0.0 | N | NA |
| IMPL-F | 1407 | 0.0 | N | NA |
| IMPL-G | 1412 | 0.0 | N | NA |
| IMPL-H | 1416 | 0.0 | N | NA |
| IMPL-I | 1417 | 0.0 | N | NA |
| IMPL-J | 1418 | 0.0 | N | NA |
| IMPL-K | 1420 | 0.0 | N | NA |
| IMPL-L | 1421 | 0.0 | N | Consistent 0.1 ppm due to open manhole for bypass and strong west wind. |

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/27/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1518 | 0.1 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1511 | 0.1 | N | Strong west wind blowing in background readings from offsite |
| SAM-3 | 1525 | 0.1 | N | NA |
| SAM-4 | 1536 | 0.1 | N | NA |
| IMPL-A | 1500 | 0.1 | N | NA |
| IMPL-B | 1503 | 0.1 | N | NA |
| IMPL-C | 1506 | 0.1 | N | NA |
| IMPL-D | 1509 | 0.1 | N | NA |
| IMPL-E | 1514 | 0.1 | N | NA |
| IMPL-F | 1515 | 0.1 | N | NA |
| IMPL-G | 1519 | 0.1 | N | NA |
| IMPL-H | 1523 | 0.1 | N | NA |
| IMPL-I | 1529 | 0.1 | N | NA |
| IMPL-J | 1533 | 0.1 | N | NA |
| IMPL-K | 1539 | 0.1 | N | NA |
| IMPL-L | 1542 | 0.1 | N | Consistent 0.1 ppm due to open manhole for bypass and strong west wind. |

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

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1609 | 0.1 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1606 | 0.1 | N | Strong west wind blowing in background readings from offsite |
| SAM-3 | 1612 | 0.1 | N | NA |
| SAM-4 | 1615 | 0.1 | N | NA |
| IMPL-A | 1600 | 0.1 | N | NA |
| IMPL-B | 1601 | 0.1 | N | NA |
| IMPL-C | 1602 | 0.1 | N | NA |
| IMPL-D | 1603 | 0.1 | N | NA |
| IMPL-E | 1604 | 0.1 | N | NA |
| IMPL-F | 1607 | 0.1 | N | NA |
| IMPL-G | 1608 | 0.1 | N | NA |
| IMPL-H | 1610 | 0.1 | N | NA |
| IMPL-I | 1613 | 0.1 | N | NA |
| IMPL-J | 1614 | 0.1 | N | NA |
| IMPL-K | 1617 | 0.1 | N | NA |
| IMPL-L | 1620 | 0.1 | N | Consistent 0.1 ppm due to open manhole for bypass and strong west wind. |

| Safety Observation/Suggestion: | Trashy odor like someone is burning trash |
|---|---|

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.

Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/28/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 0750 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 0833 | 0.0 | N | NA |
| SAM-3 | 0813 | 0.0 | N | NA |
| SAM-4 | 0820 | 0.0 | N | NA |
| IMPL-A | 0834 | 0.0 | N | NA |
| IMPL-B | 0835 | 0.0 | N | NA |
| IMPL-C | 0836 | 0.0 | N | NA |
| IMPL-D | 0837 | 0.0 | N | NA |
| IMPL-E | 0839 | 0.0 | N | NA |
| IMPL-F | 0757 | 0.0 | N | NA |
| IMPL-G | 0758 | 0.0 | N | NA |
| IMPL-H | 0814 | 0.0 | N | NA |
| IMPL-I | 0815 | 0.0 | N | NA |
| IMPL-J | 0816 | 0.0 | N | NA |
| IMPL-K | 0822 | 0.0 | N | NA |
| IMPL-L | 0824 | 0.0 | N | NA |

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

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/28/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 0909 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 0905 | 0.0 | N | NA |
| SAM-3 | 0913 | 0.0 | N | NA |
| SAM-4 | 0916 | 0.0 | N | NA |
| IMPL-A | 0900 | 0.0 | N | NA |
| IMPL-B | 0902 | 0.0 | N | NA |
| IMPL-C | 0903 | 0.0 | N | NA |
| IMPL-D | 0904 | 0.0 | N | NA |
| IMPL-E | 0907 | 0.0 | N | NA |
| IMPL-F | 0910 | 0.0 | N | NA |
| IMPL-G | 0911 | 0.0 | N | NA |
| IMPL-H | 0912 | 0.0 | N | NA |
| IMPL-I | 0914 | 0.0 | N | NA |
| IMPL-J | 0915 | 0.0 | N | NA |
| IMPL-K | 0919 | 0.0 | N | NA |
| IMPL-L | 0920 | 0.0 | N | NA |

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

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/28/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1009 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1005 | 0.0 | N | NA |
| SAM-3 | 1013 | 0.0 | N | NA |
| SAM-4 | 1016 | 0.0 | N | NA |
| IMPL-A | 1000 | 0.0 | N | NA |
| IMPL-B | 1002 | 0.0 | N | NA |
| IMPL-C | 1003 | 0.0 | N | NA |
| IMPL-D | 1004 | 0.0 | N | NA |
| IMPL-E | 1007 | 0.0 | N | NA |
| IMPL-F | 1010 | 0.0 | N | NA |
| IMPL-G | 1011 | 0.0 | N | NA |
| IMPL-H | 1012 | 0.0 | N | NA |
| IMPL-I | 1014 | 0.0 | N | NA |
| IMPL-J | 1015 | 0.0 | N | NA |
| IMPL-K | 1019 | 0.0 | N | NA |
| IMPL-L | 1020 | 0.0 | N | NA |

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

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/28/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1309 | 0.1 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1305 | 0.1 | N | NA |
| SAM-3 | 1313 | 0.1 | N | NA |
| SAM-4 | 1316 | 0.1 | N | NA |
| IMPL-A | 1300 | 0.1 | N | NA |
| IMPL-B | 1302 | 0.1 | N | NA |
| IMPL-C | 1303 | 0.1 | N | NA |
| IMPL-D | 1304 | 0.1 | N | NA |
| IMPL-E | 1307 | 0.1 | N | NA |
| IMPL-F | 1310 | 0.1 | N | NA |
| IMPL-G | 1311 | 0.1 | N | NA |
| IMPL-H | 1312 | 0.1 | N | NA |
| IMPL-I | 1314 | 0.1 | N | NA |
| IMPL-J | 1315 | 0.1 | N | NA |
| IMPL-K | 1319 | 0.1 | N | NA |
| IMPL-L | 1320 | 0.1 | N | NA |

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

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/28/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1431 | 0.3 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1441 | 0.2 | N | NA |
| SAM-3 | 1433 | 0.2 | N | NA |
| SAM-4 | 1438 | 0.2 | N | NA |
| IMPL-A | 1425 | 0.2 | N | NA |
| IMPL-B | 1426 | 0.2 | N | NA |
| IMPL-C | 1427 | 0.2 | N | NA |
| IMPL-D | 1428 | 0.2 | N | NA |
| IMPL-E | 1429 | 0.3 | N | NA |
| IMPL-F | 1430 | 0.3 | N | NA |
| IMPL-G | 1432 | 0.2 | N | NA |
| IMPL-H | 1434 | 0.2 | N | NA |
| IMPL-I | 1435 | 0.2 | N | NA |
| IMPL-J | 1436 | 0.2 | N | NA |
| IMPL-K | 1439 | 0.2 | N | NA |
| IMPL-L | 1440 | 0.2 | N | NA |

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

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| Date: 12/28/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1507 | 0.3 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1506 | 0.2 | N | GC Drager unit confirms 0.0 ppm at each location |
| SAM-3 | 1511 | 0.2 | N | NA |
| SAM-4 | 1515 | 0.2 | N | NA |
| IMPL-A | 1500 | 0.2 | N | NA |
| IMPL-B | 1501 | 0.2 | N | NA |
| IMPL-C | 1502 | 0.2 | N | NA |
| IMPL-D | 1503 | 0.2 | N | NA |
| IMPL-E | 1504 | 0.5 | N | GC Drager unit confirms 0.0 ppm at each location |
| IMPL-F | 1508 | 0.3 | N | NA |
| IMPL-G | 1509 | 0.2 | N | NA |
| IMPL-H | 1510 | 0.2 | N | NA |
| IMPL-I | 1513 | 0.2 | N | NA |
| IMPL-J | 1514 | 0.2 | N | NA |
| IMPL-K | 1517 | 0.2 | N | NA |
| IMPL-L | 1520 | 0.2 | N | NA |

| Safety Observation/Suggestion: | SE wind seems to have brought in background readings mostly focussed in the southeastern section of the site perimeter. GC Drager unit confirms 0.0 ppm at each location |
|---|---|

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| Date: 12/28/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1607 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1606 | 0.0 | N | NA |
| SAM-3 | 1611 | 0.0 | N | NA |
| SAM-4 | 1615 | 0.0 | N | NA |
| IMPL-A | 1600 | 0.0 | N | NA |
| IMPL-B | 1601 | 0.0 | N | NA |
| IMPL-C | 1602 | 0.0 | N | NA |
| IMPL-D | 1603 | 0.0 | N | NA |
| IMPL-E | 1604 | 0.0 | N | NA |
| IMPL-F | 1608 | 0.0 | N | NA |
| IMPL-G | 1609 | 0.0 | N | NA |
| IMPL-H | 1610 | 0.0 | N | NA |
| IMPL-I | 1613 | 0.0 | N | NA |
| IMPL-J | 1614 | 0.0 | N | NA |
| IMPL-K | 1617 | 0.0 | N | NA |
| IMPL-L | 1620 | 0.0 | N | NA |

| **Safety Observation/Suggestion:** | GC Drager unit confirms 0.0 ppm at each location |
|---|---|

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/29/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 0807 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 0809 | 0.0 | N | NA |
| SAM-3 | 0813 | 0.0 | N | NA |
| SAM-4 | 0815 | 0.0 | N | NA |
| IMPL-A | 0800 | 0.0 | N | NA |
| IMPL-B | 0801 | 0.0 | N | NA |
| IMPL-C | 0803 | 0.0 | N | NA |
| IMPL-D | 0804 | 0.0 | N | NA |
| IMPL-E | 0805 | 0.0 | N | NA |
| IMPL-F | 0806 | 0.0 | N | NA |
| IMPL-G | 0808 | 0.0 | N | NA |
| IMPL-H | 0810 | 0.0 | N | NA |
| IMPL-I | 0812 | 0.0 | N | NA |
| IMPL-J | 0814 | 0.0 | N | NA |
| IMPL-K | 0816 | 0.0 | N | NA |
| IMPL-L | 0817 | 0.0 | N | NA |

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

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/29/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 0907 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 0909 | 0.0 | N | NA |
| SAM-3 | 0913 | 0.0 | N | NA |
| SAM-4 | 0915 | 0.0 | N | NA |
| IMPL-A | 0900 | 0.0 | N | NA |
| IMPL-B | 0901 | 0.0 | N | NA |
| IMPL-C | 0903 | 0.0 | N | NA |
| IMPL-D | 0904 | 0.0 | N | NA |
| IMPL-E | 0905 | 0.0 | N | NA |
| IMPL-F | 0906 | 0.0 | N | NA |
| IMPL-G | 0908 | 0.0 | N | NA |
| IMPL-H | 0910 | 0.0 | N | NA |
| IMPL-I | 0912 | 0.0 | N | NA |
| IMPL-J | 0914 | 0.0 | N | NA |
| IMPL-K | 0916 | 0.0 | N | NA |
| IMPL-L | 0917 | 0.0 | N | NA |

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

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/29/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1007 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1009 | 0.0 | N | NA |
| SAM-3 | 1013 | 0.0 | N | NA |
| SAM-4 | 1015 | 0.0 | N | NA |
| IMPL-A | 1000 | 0.0 | N | NA |
| IMPL-B | 1001 | 0.0 | N | NA |
| IMPL-C | 1003 | 0.0 | N | NA |
| IMPL-D | 1004 | 0.0 | N | NA |
| IMPL-E | 1005 | 0.0 | N | NA |
| IMPL-F | 1006 | 0.0 | N | NA |
| IMPL-G | 1008 | 0.0 | N | NA |
| IMPL-H | 1010 | 0.0 | N | NA |
| IMPL-I | 1012 | 0.0 | N | NA |
| IMPL-J | 1014 | 0.0 | N | NA |
| IMPL-K | 1016 | 0.0 | N | NA |
| IMPL-L | 1017 | 0.0 | N | NA |

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

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/29/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1123 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1113 | 0.0 | N | NA |
| SAM-3 | 1126 | 0.0 | N | NA |
| SAM-4 | 1130 | 0.0 | N | NA |
| IMPL-A | 1115 | 0.0 | N | NA |
| IMPL-B | 1116 | 0.0 | N | NA |
| IMPL-C | 1117 | 0.0 | N | NA |
| IMPL-D | 1118 | 0.0 | N | NA |
| IMPL-E | 1119 | 0.0 | N | NA |
| IMPL-F | 1120 | 0.0 | N | NA |
| IMPL-G | 1125 | 0.0 | N | NA |
| IMPL-H | 1127 | 0.0 | N | NA |
| IMPL-I | 1128 | 0.0 | N | NA |
| IMPL-J | 1129 | 0.0 | N | NA |
| IMPL-K | 1131 | 0.0 | N | NA |
| IMPL-L | 1135 | 0.0 | N | NA |

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

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| Date: 12/29/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1208 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1205 | 0.0 | N | NA |
| SAM-3 | 1214 | 0.0 | N | NA |
| SAM-4 | 1219 | 0.0 | N | NA |
| IMPL-A | 1200 | 0.0 | N | NA |
| IMPL-B | 1201 | 0.0 | N | NA |
| IMPL-C | 1202 | 0.0 | N | NA |
| IMPL-D | 1203 | 0.0 | N | NA |
| IMPL-E | 1206 | 0.0 | N | NA |
| IMPL-F | 1207 | 0.0 | N | NA |
| IMPL-G | 1209 | 0.0 | N | NA |
| IMPL-H | 1211 | 0.0 | N | NA |
| IMPL-I | 1215 | 0.0 | N | NA |
| IMPL-J | 1217 | 0.0 | N | NA |
| IMPL-K | 1221 | 0.0 | N | NA |
| IMPL-L | 1225 | 0.0 | N | NA |

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

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/29/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1308 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1305 | 0.0 | N | NA |
| SAM-3 | 1314 | 0.0 | N | NA |
| SAM-4 | 1319 | 0.0 | N | NA |
| IMPL-A | 1300 | 0.0 | N | NA |
| IMPL-B | 1301 | 0.0 | N | NA |
| IMPL-C | 1302 | 0.0 | N | NA |
| IMPL-D | 1303 | 0.0 | N | NA |
| IMPL-E | 1306 | 0.0 | N | NA |
| IMPL-F | 1307 | 0.0 | N | NA |
| IMPL-G | 1309 | 0.0 | N | NA |
| IMPL-H | 1311 | 0.0 | N | NA |
| IMPL-I | 1315 | 0.0 | N | NA |
| IMPL-J | 1317 | 0.0 | N | NA |
| IMPL-K | 1321 | 0.0 | N | NA |
| IMPL-L | 1325 | 0.0 | N | NA |

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

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| Date: 12/29/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1408 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1405 | 0.0 | N | NA |
| SAM-3 | 1414 | 0.0 | N | NA |
| SAM-4 | 1419 | 0.0 | N | NA |
| IMPL-A | 1400 | 0.0 | N | NA |
| IMPL-B | 1401 | 0.0 | N | NA |
| IMPL-C | 1402 | 0.0 | N | NA |
| IMPL-D | 1403 | 0.0 | N | NA |
| IMPL-E | 1406 | 0.0 | N | NA |
| IMPL-F | 1407 | 0.0 | N | NA |
| IMPL-G | 1409 | 0.0 | N | NA |
| IMPL-H | 1411 | 0.0 | N | NA |
| IMPL-I | 1415 | 0.0 | N | NA |
| IMPL-J | 1417 | 0.0 | N | NA |
| IMPL-K | 1421 | 0.0 | N | NA |
| IMPL-L | 1425 | 0.0 | N | NA |

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

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| Date: 12/29/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1508 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1505 | 0.0 | N | NA |
| SAM-3 | 1514 | 0.0 | N | NA |
| SAM-4 | 1519 | 0.0 | N | NA |
| IMPL-A | 1500 | 0.0 | N | NA |
| IMPL-B | 1501 | 0.0 | N | NA |
| IMPL-C | 1502 | 0.0 | N | NA |
| IMPL-D | 1503 | 0.0 | N | NA |
| IMPL-E | 1506 | 0.0 | N | NA |
| IMPL-F | 1507 | 0.0 | N | NA |
| IMPL-G | 1509 | 0.0 | N | NA |
| IMPL-H | 1511 | 0.0 | N | NA |
| IMPL-I | 1515 | 0.0 | N | NA |
| IMPL-J | 1517 | 0.0 | N | NA |
| IMPL-K | 1521 | 0.0 | N | NA |
| IMPL-L | 1525 | 0.0 | N | 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.

Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/29/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1608 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1605 | 0.0 | N | NA |
| SAM-3 | 1614 | 0.0 | N | NA |
| SAM-4 | 1619 | 0.0 | N | NA |
| IMPL-A | 1600 | 0.0 | N | NA |
| IMPL-B | 1601 | 0.0 | N | NA |
| IMPL-C | 1602 | 0.0 | N | NA |
| IMPL-D | 1603 | 0.0 | N | NA |
| IMPL-E | 1606 | 0.0 | N | NA |
| IMPL-F | 1607 | 0.0 | N | NA |
| IMPL-G | 1609 | 0.0 | N | NA |
| IMPL-H | 1611 | 0.0 | N | NA |
| IMPL-I | 1615 | 0.0 | N | NA |
| IMPL-J | 1617 | 0.0 | N | NA |
| IMPL-K | 1621 | 0.0 | N | NA |
| IMPL-L | 1625 | 0.0 | N | NA |

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

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/30/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 0818 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 0811 | 0.0 | N | NA |
| SAM-3 | 0821 | 0.0 | N | NA |
| SAM-4 | 0830 | 0.0 | N | NA |
| IMPL-A | 0807 | 0.0 | N | NA |
| IMPL-B | 0808 | 0.0 | N | NA |
| IMPL-C | 0809 | 0.0 | N | NA |
| IMPL-D | 0810 | 0.0 | N | NA |
| IMPL-E | 0812 | 0.0 | N | NA |
| IMPL-F | 0813 | 0.0 | N | NA |
| IMPL-G | 0814 | 0.0 | N | NA |
| IMPL-H | 0819 | 0.0 | N | NA |
| IMPL-I | 0820 | 0.0 | N | NA |
| IMPL-J | 0823 | 0.0 | N | NA |
| IMPL-K | 0835 | 0.0 | N | NA |
| IMPL-L | 0840 | 0.0 | N | NA |

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

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/30/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 0907 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 0904 | 0.0 | N | NA |
| SAM-3 | 0913 | 0.0 | N | NA |
| SAM-4 | 0918 | 0.0 | N | NA |
| IMPL-A | 0900 | 0.0 | N | NA |
| IMPL-B | 0901 | 0.0 | N | NA |
| IMPL-C | 0902 | 0.0 | N | NA |
| IMPL-D | 0903 | 0.0 | N | NA |
| IMPL-E | 0906 | 0.0 | N | NA |
| IMPL-F | 0909 | 0.0 | N | NA |
| IMPL-G | 0910 | 0.0 | N | NA |
| IMPL-H | 0911 | 0.0 | N | NA |
| IMPL-I | 0914 | 0.0 | N | NA |
| IMPL-J | 0916 | 0.0 | N | NA |
| IMPL-K | 0919 | 0.0 | N | NA |
| IMPL-L | 0923 | 0.0 | N | NA |

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

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| Date: 12/30/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1007 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1004 | 0.0 | N | NA |
| SAM-3 | 1013 | 0.0 | N | NA |
| SAM-4 | 1018 | 0.0 | N | NA |
| IMPL-A | 1000 | 0.0 | N | NA |
| IMPL-B | 1001 | 0.0 | N | NA |
| IMPL-C | 1002 | 0.0 | N | NA |
| IMPL-D | 1003 | 0.0 | N | NA |
| IMPL-E | 1006 | 0.0 | N | NA |
| IMPL-F | 1009 | 0.0 | N | NA |
| IMPL-G | 1010 | 0.0 | N | NA |
| IMPL-H | 1011 | 0.0 | N | NA |
| IMPL-I | 1014 | 0.0 | N | NA |
| IMPL-J | 1016 | 0.0 | N | NA |
| IMPL-K | 1019 | 0.0 | N | NA |
| IMPL-L | 1023 | 0.0 | N | NA |

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

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| Date: 12/30/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1107 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1104 | 0.0 | N | NA |
| SAM-3 | 1113 | 0.0 | N | NA |
| SAM-4 | 1118 | 0.0 | N | NA |
| IMPL-A | 1100 | 0.0 | N | NA |
| IMPL-B | 1101 | 0.0 | N | NA |
| IMPL-C | 1102 | 0.0 | N | NA |
| IMPL-D | 1103 | 0.0 | N | NA |
| IMPL-E | 1106 | 0.0 | N | NA |
| IMPL-F | 1109 | 0.0 | N | NA |
| IMPL-G | 1110 | 0.0 | N | NA |
| IMPL-H | 1111 | 0.0 | N | NA |
| IMPL-I | 1114 | 0.0 | N | NA |
| IMPL-J | 1116 | 0.0 | N | NA |
| IMPL-K | 1119 | 0.0 | N | NA |
| IMPL-L | 1120 | 0.0 | N | NA |

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

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/30/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1207 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1204 | 0.0 | N | NA |
| SAM-3 | 1213 | 0.0 | N | NA |
| SAM-4 | 1218 | 0.0 | N | NA |
| IMPL-A | 1200 | 0.0 | N | NA |
| IMPL-B | 1201 | 0.0 | N | NA |
| IMPL-C | 1202 | 0.0 | N | NA |
| IMPL-D | 1203 | 0.0 | N | NA |
| IMPL-E | 1206 | 0.0 | N | NA |
| IMPL-F | 1209 | 0.0 | N | NA |
| IMPL-G | 1210 | 0.0 | N | NA |
| IMPL-H | 1211 | 0.0 | N | NA |
| IMPL-I | 1214 | 0.0 | N | NA |
| IMPL-J | 1216 | 0.0 | N | NA |
| IMPL-K | 1219 | 0.0 | N | NA |
| IMPL-L | 1220 | 0.0 | N | NA |

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

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/30/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1307 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1304 | 0.0 | N | NA |
| SAM-3 | 1313 | 0.0 | N | NA |
| SAM-4 | 1318 | 0.0 | N | NA |
| IMPL-A | 1300 | 0.0 | N | NA |
| IMPL-B | 1301 | 0.0 | N | NA |
| IMPL-C | 1302 | 0.0 | N | NA |
| IMPL-D | 1303 | 0.0 | N | NA |
| IMPL-E | 1306 | 0.0 | N | NA |
| IMPL-F | 1309 | 0.0 | N | NA |
| IMPL-G | 1310 | 0.0 | N | NA |
| IMPL-H | 1311 | 0.0 | N | NA |
| IMPL-I | 1314 | 0.0 | N | NA |
| IMPL-J | 1316 | 0.0 | N | NA |
| IMPL-K | 1319 | 0.0 | N | NA |
| IMPL-L | 1320 | 0.0 | N | NA |

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

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| Date: 12/30/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1407 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1404 | 0.0 | N | NA |
| SAM-3 | 1413 | 0.0 | N | NA |
| SAM-4 | 1418 | 0.0 | N | NA |
| IMPL-A | 1400 | 0.0 | N | NA |
| IMPL-B | 1401 | 0.0 | N | NA |
| IMPL-C | 1402 | 0.0 | N | NA |
| IMPL-D | 1403 | 0.0 | N | NA |
| IMPL-E | 1406 | 0.0 | N | NA |
| IMPL-F | 1409 | 0.0 | N | NA |
| IMPL-G | 1410 | 0.0 | N | NA |
| IMPL-H | 1411 | 0.0 | N | NA |
| IMPL-I | 1414 | 0.0 | N | NA |
| IMPL-J | 1416 | 0.0 | N | NA |
| IMPL-K | 1419 | 0.0 | N | NA |
| IMPL-L | 1420 | 0.0 | N | NA |

| Safety Observation/Suggestion: | |
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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/30/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1507 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1504 | 0.0 | N | NA |
| SAM-3 | 1513 | 0.0 | N | NA |
| SAM-4 | 1518 | 0.0 | N | NA |
| IMPL-A | 1500 | 0.0 | N | NA |
| IMPL-B | 1501 | 0.0 | N | NA |
| IMPL-C | 1502 | 0.0 | N | NA |
| IMPL-D | 1503 | 0.0 | N | NA |
| IMPL-E | 1506 | 0.0 | N | NA |
| IMPL-F | 1509 | 0.0 | N | NA |
| IMPL-G | 1510 | 0.0 | N | NA |
| IMPL-H | 1511 | 0.0 | N | NA |
| IMPL-I | 1514 | 0.0 | N | NA |
| IMPL-J | 1516 | 0.0 | N | NA |
| IMPL-K | 1519 | 0.0 | N | NA |
| IMPL-L | 1520 | 0.0 | N | NA |

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

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 12/30/2021 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1607 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1604 | 0.0 | N | NA |
| SAM-3 | 1613 | 0.0 | N | NA |
| SAM-4 | 1618 | 0.0 | N | NA |
| IMPL-A | 1600 | 0.0 | N | NA |
| IMPL-B | 1601 | 0.0 | N | NA |
| IMPL-C | 1602 | 0.0 | N | NA |
| IMPL-D | 1603 | 0.0 | N | NA |
| IMPL-E | 1606 | 0.0 | N | NA |
| IMPL-F | 1609 | 0.0 | N | NA |
| IMPL-G | 1610 | 0.0 | N | NA |
| IMPL-H | 1611 | 0.0 | N | NA |
| IMPL-I | 1614 | 0.0 | N | NA |
| IMPL-J | 1616 | 0.0 | N | NA |
| IMPL-K | 1619 | 0.0 | N | NA |
| IMPL-L | 1620 | 0.0 | N | NA |

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

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 1/3/2022 | Technician Name: Marshall Arendell | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 0700 | 0.0 | N | Told 1.5 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 0710 | 0.0 | N | NA |
| SAM-3 | 0702 | 0.0 | N | NA |
| SAM-4 | 0707 | 0.0 | N | NA |
| IMPL-A | 0711 | 0.0 | N | NA |
| IMPL-B | 0712 | 0.0 | N | NA |
| IMPL-C | 0714 | 0.0 | N | NA |
| IMPL-D | 0715 | 0.0 | N | NA |
| IMPL-E | 0716 | 0.0 | N | NA |
| IMPL-F | 0718 | 0.0 | N | NA |
| IMPL-G | 0719 | 0.0 | N | NA |
| IMPL-H | 0720 | 0.0 | N | NA |
| IMPL-I | 0722 | 0.0 | N | NA |
| IMPL-J | 0723 | 0.0 | N | NA |
| IMPL-K | 0724 | 0.0 | N | NA |
| IMPL-L | 0725 | 0.0 | N | NA |

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

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 1/3/2022 | Technician Name: Marshall Arendell | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 0801 | 0.0 | N | Told 1 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 0810 | 0.0 | N | NA |
| SAM-3 | 0803 | 0.0 | N | NA |
| SAM-4 | 0806 | 0.0 | N | NA |
| IMPL-A | 0811 | 0.0 | N | NA |
| IMPL-B | 0812 | 0.0 | N | NA |
| IMPL-C | 0813 | 0.0 | N | NA |
| IMPL-D | 0815 | 0.0 | N | NA |
| IMPL-E | 0816 | 0.0 | N | NA |
| IMPL-F | 0817 | 0.0 | N | NA |
| IMPL-G | 0818 | 0.0 | N | NA |
| IMPL-H | 0820 | 0.0 | N | NA |
| IMPL-I | 0821 | 0.0 | N | NA |
| IMPL-J | 0823 | 0.0 | N | NA |
| IMPL-K | 0824 | 0.0 | N | NA |
| IMPL-L | 0825 | 0.0 | N | NA |

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|---|---|

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 1/3/2022 | Technician Name: Marshall Arendell | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 0901 | 0.0 | N | Told 1 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 0910 | 0.0 | N | NA |
| SAM-3 | 0903 | 0.0 | N | NA |
| SAM-4 | 0906 | 0.0 | N | NA |
| IMPL-A | 0911 | 0.0 | N | NA |
| IMPL-B | 0912 | 0.0 | N | NA |
| IMPL-C | 0913 | 0.0 | N | NA |
| IMPL-D | 0915 | 0.0 | N | NA |
| IMPL-E | 0916 | 0.0 | N | NA |
| IMPL-F | 0917 | 0.0 | N | NA |
| IMPL-G | 0918 | 0.0 | N | NA |
| IMPL-H | 0920 | 0.0 | N | NA |
| IMPL-I | 0921 | 0.0 | N | NA |
| IMPL-J | 0923 | 0.0 | N | NA |
| IMPL-K | 0924 | 0.0 | N | NA |
| IMPL-L | 0925 | 0.0 | N | NA |

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Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 1/3/2022 | Technician Name: Marshall Arendell | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1111 | 0.0 | N | Told 1 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1119 | 0.0 | N | NA |
| SAM-3 | 1113 | 0.0 | N | NA |
| SAM-4 | 1116 | 0.0 | N | NA |
| IMPL-A | 1121 | 0.0 | N | NA |
| IMPL-B | 1122 | 0.0 | N | NA |
| IMPL-C | 1124 | 0.0 | N | NA |
| IMPL-D | 1125 | 0.0 | N | NA |
| IMPL-E | 1126 | 0.0 | N | NA |
| IMPL-F | 1128 | 0.0 | N | NA |
| IMPL-G | 1129 | 0.0 | N | NA |
| IMPL-H | 1130 | 0.0 | N | NA |
| IMPL-I | 1131 | 0.0 | N | NA |
| IMPL-J | 1132 | 0.0 | N | NA |
| IMPL-K | 1134 | 0.0 | N | NA |
| IMPL-L | 1135 | 0.0 | N | NA |

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|---|---|

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| Date: 1/3/2022 | Technician Name: Marshall Arendell | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1145 | 0.0 | N | Told 1 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1149 | 0.0 | N | NA |
| SAM-3 | 1143 | 0.0 | N | NA |
| SAM-4 | 1146 | 0.0 | N | NA |
| IMPL-A | 1151 | 0.0 | N | NA |
| IMPL-B | 1152 | 0.0 | N | NA |
| IMPL-C | 1154 | 0.0 | N | NA |
| IMPL-D | 1155 | 0.0 | N | NA |
| IMPL-E | 1156 | 0.0 | N | NA |
| IMPL-F | 1158 | 0.0 | N | NA |
| IMPL-G | 1159 | 0.0 | N | NA |
| IMPL-H | 1200 | 0.0 | N | NA |
| IMPL-I | 1201 | 0.0 | N | NA |
| IMPL-J | 1202 | 0.0 | N | NA |
| IMPL-K | 1204 | 0.0 | N | NA |
| IMPL-L | 1205 | 0.0 | N | 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.

Ambient Air Quality Monitoring Network
Twice Daily Quality Site Check Form

| Date: 1/3/2022 | Technician Name: Marshall Arendell | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1503 | 0.0 | N | Told 1 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1506 | 0.0 | N | NA |
| SAM-3 | 1505 | 0.0 | N | NA |
| SAM-4 | 1510 | 0.0 | N | NA |
| IMPL-A | 1511 | 0.0 | N | NA |
| IMPL-B | 1512 | 0.0 | N | NA |
| IMPL-C | 1514 | 0.0 | N | NA |
| IMPL-D | 1515 | 0.0 | N | NA |
| IMPL-E | 1516 | 0.0 | N | NA |
| IMPL-F | 1518 | 0.0 | N | NA |
| IMPL-G | 1519 | 0.0 | N | NA |
| IMPL-H | 1520 | 0.0 | N | NA |
| IMPL-I | 1522 | 0.0 | N | NA |
| IMPL-J | 1523 | 0.0 | N | NA |
| IMPL-K | 1524 | 0.0 | N | NA |
| IMPL-L | 1525 | 0.0 | N | NA |

| 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.

| Date: 1/3/2022 | Technician Name: Marshall Arendell | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

| Site Name | Time (CST) | Current VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) |
|---|---|---|---|---|
| SAM-1 | 1603 | 0.0 | N | Told 1 - 2 mins per location if reading 0.0 ppm |
| SAM-2 | 1606 | 0.0 | N | NA |
| SAM-3 | 1605 | 0.0 | N | NA |
| SAM-4 | 1610 | 0.0 | N | NA |
| IMPL-A | 1611 | 0.0 | N | NA |
| IMPL-B | 1612 | 0.0 | N | NA |
| IMPL-C | 1614 | 0.0 | N | NA |
| IMPL-D | 1615 | 0.0 | N | NA |
| IMPL-E | 1616 | 0.0 | N | NA |
| IMPL-F | 1618 | 0.0 | N | NA |
| IMPL-G | 1619 | 0.0 | N | NA |
| IMPL-H | 1620 | 0.0 | N | NA |
| IMPL-I | 1622 | 0.0 | N | NA |
| IMPL-J | 1623 | 0.0 | N | NA |
| IMPL-K | 1624 | 0.0 | N | NA |
| IMPL-L | 1625 | 0.0 | N | 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.

# PID & GC Readings

| Date: 1/4/22 | Technician Name: Marshall Arendell | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

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

| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| | | | | | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Bump Test Measurement |
| SAM-1 | 0701 | 0 | N | | | | |
| SAM-2 | 0712 | 0 | N | | | | |
| SAM-4 | 0709 | 0 | N | | | | |
| SAM-5 | 0705 | 0 | N | | | | |
| IMPL-A | 0713 | 0 | N | | | | |
| IMPL-B | 0714 | 0 | N | | | | |
| IMPL-C | 0716 | 0 | N | | | | |
| IMPL-D | 0717 | 0 | N | | | | |
| IMPL-E | 0718 | 0 | N | | | | |
| IMPL-F | 0719 | 0 | N | | | | |
| IMPL-G | 0721 | 0 | N | | | | |
| IMPL-H | 0722 | 0 | N | | | | |
| IMPL-I | 0723 | 0 | N | | | | |
| IMPL-J | 0724 | 0 | N | | | | |
| IMPL-K | 0725 | 0 | N | | | | |
| IMPL-L | 0727 | 0 | N | | | | |

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

At the end of the day:

ıent 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

ınalyzers are in "operate" mode

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

**PID & GC Readings**

| Date: 1/4/22 | Technician Name: Marshall Arendell | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

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

| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| | | | | | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Bump Test Measurement |
| SAM-1 | 0759 | 0 | N | | | | |
| SAM-2 | 0811 | 0 | N | | | | |
| SAM-4 | 0807 | 0 | N | | | | |
| SAM-5 | 0803 | 0 | N | | | | |
| IMPL-A | 0812 | 0 | N | | | | |
| IMPL-B | 0813 | 0 | N | | | | |
| IMPL-C | 0814 | 0 | N | | | | |
| IMPL-D | 0815 | 0 | N | | | | |
| IMPL-E | 0816 | 0 | N | | | | |
| IMPL-F | 0818 | 0 | N | | | | |
| IMPL-G | 0819 | 0 | N | | | | |
| IMPL-H | 0820 | 0 | N | | | | |
| IMPL-I | 0821 | 0 | N | | | | |
| IMPL-J | 0823 | 0 | N | | | | |
| IMPL-K | 0824 | 0 | N | | | | |
| IMPL-L | 0825 | 0 | N | | | | |

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

At the end of the day:

ument site visit in site log

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l analyzers are in "operate" mode

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

# PID & GC Readings

| Date: 1/4/22 | Technician Name: Marshall Arendell | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

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

| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| | | | | | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Bump Test Measurement |
| SAM-1 | 0902 | 0 | N | | | | |
| SAM-2 | 0914 | 0 | N | | | | |
| SAM-4 | 0910 | 0 | N | | | | |
| SAM-5 | 0905 | 0 | N | | | | |
| IMPL-A | 0915 | 0 | N | | | | |
| IMPL-B | 0916 | 0 | N | | | | |
| IMPL-C | 0918 | 0 | N | | | | |
| IMPL-D | 0919 | 0 | N | | | | |
| IMPL-E | 0920 | 0 | N | | | | |
| IMPL-F | 0921 | 0 | N | | | | |
| IMPL-G | 0922 | 0 | N | | | | |
| IMPL-H | 0923 | 0 | N | | | | |
| IMPL-I | 0924 | 0 | N | | | | |
| IMPL-J | 0926 | 0 | N | | | | |
| IMPL-K | 0927 | 0 | N | | | | |
| IMPL-L | 0928 | 0 | N | | | | |

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

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# PID & GC Readings

| Date: 1/4/22 | Technician Name: Marshall Arendell | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

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

| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| | | | | | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Bump Test Measurement |
| SAM-1 | 1000 | 0 | N | | | | |
| SAM-2 | 1011 | 0 | N | | | | |
| SAM-4 | 1007 | 0 | N | | | | |
| SAM-5 | 1004 | 0 | N | | | | |
| IMPL-A | 1012 | 0 | N | | | | |
| IMPL-B | 1013 | 0 | N | | | | |
| IMPL-C | 1014 | 0 | N | | | | |
| IMPL-D | 1016 | 0 | N | | | | |
| IMPL-E | 1017 | 0 | N | | | | |
| IMPL-F | 1018 | 0 | N | | | | |
| IMPL-G | 1019 | 0 | N | | | | |
| IMPL-H | 1020 | 0 | N | | | | |
| IMPL-I | 1022 | 0 | N | | | | |
| IMPL-J | 1023 | 0 | N | | | | |
| IMPL-K | 1024 | 0 | N | | | | |
| IMPL-L | 1025 | 0 | N | | | | |

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

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# PID & GC Readings

| Date: 1/4/22 | Technician Name: Marshall Arendell | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

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

| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| | | | | | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Bump Test Measurement |
| SAM-1 | 1150 | 0 | N | | | | |
| SAM-2 | 1105 | 0 | N | | | | |
| SAM-4 | 1159 | 0 | N | | | | |
| SAM-5 | 1154 | 0 | N | | | | |
| IMPL-A | 1106 | 0 | N | | | | |
| IMPL-B | 1108 | 0 | N | | | | |
| IMPL-C | 1109 | 0 | N | | | | |
| IMPL-D | 1110 | 0 | N | | | | |
| IMPL-E | 1112 | 0 | N | | | | |
| IMPL-F | 1113 | 0 | N | | | | |
| IMPL-G | 1114 | 0 | N | | | | |
| IMPL-H | 1115 | 0 | N | | | | |
| IMPL-I | 1116 | 0 | N | | | | |
| IMPL-J | 1118 | 0 | N | | | | |
| IMPL-K | 1120 | 0 | N | | | | |
| IMPL-L | 1121 | 0 | N | | | | |

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

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# PID & GC Readings

| Date: 1/4/22 | Technician Name: Marshall Arendell | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

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

| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| | | | | | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Bump Test Measurement |
| SAM-1 | 1250 | 0 | N | | | | |
| SAM-2 | 1301 | 0 | N | | | | |
| SAM-4 | 1257 | 0 | N | | | | |
| SAM-5 | 1254 | 0 | N | | | | |
| IMPL-A | 1302 | 0 | N | | | | |
| IMPL-B | 1303 | 0 | N | | | | |
| IMPL-C | 1304 | 0 | N | | | | |
| IMPL-D | 1305 | 0 | N | | | | |
| IMPL-E | 1307 | 0 | N | | | | |
| IMPL-F | 1308 | 0 | N | | | | |
| IMPL-G | 1309 | 0 | N | | | | |
| IMPL-H | 1310 | 0 | N | | | | |
| IMPL-I | 1312 | 0 | N | | | | |
| IMPL-J | 1313 | 0 | N | | | | |
| IMPL-K | 1314 | 0 | N | | | | |
| IMPL-L | 1315 | 0 | N | | | | |

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

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# PID & GC Readings

| Date: 1/4/22 | Technician Name: Marshall Arendell | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

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

| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| | | | | | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Bump Test Measurement |
| SAM-1 | 1500 | 0 | N | | | | |
| SAM-2 | 1512 | 0 | N | | | | |
| SAM-4 | 1508 | 0 | N | | | | |
| SAM-5 | 1503 | 0 | N | | | | |
| IMPL-A | 1514 | 0 | N | | | | |
| IMPL-B | 1515 | 0 | N | | | | |
| IMPL-C | 1516 | 0 | N | | | | |
| IMPL-D | 1517 | 0 | N | | | | |
| IMPL-E | 1519 | 0 | N | | | | |
| IMPL-F | 1520 | 0 | N | | | | |
| IMPL-G | 1521 | 0 | N | | | | |
| IMPL-H | 1522 | 0 | N | | | | |
| IMPL-I | 1523 | 0 | N | | | | |
| IMPL-J | 1524 | 0 | N | | | | |
| IMPL-K | 1525 | 0 | N | | | | |
| IMPL-L | 1526 | 0 | N | | | | |

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

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# PID & GC Readings

| Date: 1/4/22 | Technician Name: Marshall Arendell | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

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

| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| | | | | | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Bump Test Measurement |
| SAM-1 | 1603 | 0 | N | | | | |
| SAM-2 | 1014 | 0 | N | | | | |
| SAM-4 | 1610 | 0 | N | | | | |
| SAM-5 | 1606 | 0 | N | | | | |
| IMPL-A | 1615 | 0 | N | | | | |
| IMPL-B | 1616 | 0 | N | | | | |
| IMPL-C | 1617 | 0 | N | | | | |
| IMPL-D | 1618 | 0 | N | | | | |
| IMPL-E | 1619 | 0 | N | | | | |
| IMPL-F | 1620 | 0 | N | | | | |
| IMPL-G | 1621 | 0 | N | | | | |
| IMPL-H | 1623 | 0 | N | | | | |
| IMPL-I | 1624 | 0 | N | | | | |
| IMPL-J | 1625 | 0 | N | | | | |
| IMPL-K | 1626 | 0 | N | | | | |
| IMPL-L | 1627 | 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.

# PID & GC Readings

| Date: 01/17/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

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

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 0.5 |
| Bump Test Concentration (ppm) | 0.5 |

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

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1412 | 0.0 | Y | Exhaust from machinery | NA | NA | NA |
| SAM-2 | 1402 | 0.0 | Y | Exhaust from machinery | NA | NA | NA |
| SAM-4 | 1424 | 0.0 | Y | Exhaust from machinery | NA | NA | NA |
| SAM-5 | 1417 | 0.0 | Y | Exhaust from machinery | NA | NA | NA |
| IMPL-A | 1400 | 0.0 | Y | Exhaust from machinery | NA | NA | NA |
| IMPL-B | 1404 | 0.0 | Y | Exhaust from machinery | NA | NA | NA |
| IMPL-C | 1408 | 0.0 | Y | Exhaust from machinery | NA | NA | NA |
| IMPL-D | 1410 | 0.0 | Y | Exhaust from machinery | NA | NA | NA |
| IMPL-E | 1414 | 0.0 | Y | Exhaust from machinery | NA | NA | NA |
| IMPL-F | 1416 | 0.0 | Y | Exhaust from machinery | NA | NA | NA |
| IMPL-G | 1418 | 0.0 | Y | Exhaust from machinery | NA | NA | NA |
| IMPL-H | 1419 | 0.0 | Y | Exhaust from machinery | NA | NA | NA |
| IMPL-I | 1420 | 0.0 | Y | Exhaust from machinery | NA | NA | NA |
| IMPL-J | 1422 | 0.0 | Y | Exhaust from machinery | NA | NA | NA |
| IMPL-K | 1425 | 0.0 | Y | Exhaust from machinery | NA | NA | NA |
| IMPL-L | 1426 | 0.0 | Y | Exhaust from machinery | 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.

# PID & GC Readings

| Date: 01/18/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| SAM-2 | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| SAM-4 | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| SAM-5 | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| IMPL-A | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| IMPL-B | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| IMPL-C | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| IMPL-D | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| IMPL-E | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| IMPL-F | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| IMPL-G | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| IMPL-H | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| IMPL-I | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| IMPL-J | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| IMPL-K | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| IMPL-L | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |

| **Safety Observation/Suggestion:** | No data collected at this time due to dark conditions. |
|---|---|

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.

# PID & GC Readings

| Date: 01/18/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 812 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 802 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 824 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 817 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 800 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 804 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 808 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 810 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 814 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 816 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 818 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 819 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 820 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 822 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 825 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 826 | 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.

# PID & GC Readings

| Date: 01/18/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 912 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 902 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 924 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 917 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 900 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 904 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 908 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 910 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 914 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 916 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 918 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 919 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 920 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 922 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 925 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 926 | 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.

# PID & GC Readings

| Date: 01/18/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 | 1005 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1027 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1020 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1003 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1007 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1011 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1013 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1017 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1019 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1021 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1022 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1023 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1025 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1028 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1029 | 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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# PID & GC Readings

| Date: 01/18/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 |
| SAM-2 | 1102 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1124 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1117 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1100 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1104 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1108 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1110 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1114 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1116 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1118 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1119 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1120 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1122 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1125 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1126 | 0.0 | N | NA | NA | NA | NA |

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

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4. Confirm all analyzers are in "operate" mode

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# PID & GC Readings

| Date: 01/18/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1212 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1202 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1224 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1217 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1200 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1204 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1208 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1214 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1216 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1218 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1219 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1220 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1222 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1225 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1226 | 0.0 | N | NA | NA | NA | NA |

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

At the end of the day:

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# PID & GC Readings

| Date: 01/18/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1312 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1302 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1324 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1317 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1300 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1314 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1316 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1318 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1319 | 0.0 | Y | Sweet Vinegar Odor | NA | NA | NA |
| IMPL-I | 1320 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1322 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1325 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1326 | 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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# PID & GC Readings

| Date: 01/18/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1412 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1424 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1417 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1400 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1404 | 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 |
| IMPL-E | 1414 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1416 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1418 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1419 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1420 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1422 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1425 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1426 | 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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# PID & GC Readings

| Date: 01/18/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1512 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1502 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1524 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1517 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1500 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1504 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1514 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1516 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1518 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1519 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1520 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1522 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1525 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1526 | 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

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# PID & GC Readings

| Date: 01/18/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1612 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1602 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1624 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1617 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1600 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1604 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1608 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1610 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1614 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1616 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1618 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1619 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1620 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1622 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1625 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1626 | 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.

# PID & GC Readings

| Date: 01/19/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| SAM-2 | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| SAM-4 | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| SAM-5 | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| IMPL-A | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| IMPL-B | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| IMPL-C | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| IMPL-D | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| IMPL-E | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| IMPL-F | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| IMPL-G | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| IMPL-H | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| IMPL-I | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| IMPL-J | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| IMPL-K | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| IMPL-L | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |

| **Safety Observation/Suggestion:** | No data collected at this time due to dark conditions. |
|---|---|

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.

# PID & GC Readings

| Date: 01/19/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 810 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 800 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 830 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 821 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 755 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 802 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 806 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 808 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 817 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 819 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 822 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 823 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 824 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 826 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 836 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 838 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 01/19/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 908 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 903 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 919 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 913 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 902 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 904 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 905 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 907 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 910 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 912 | 0.0 | Y | Oily odor near spoiling pile | NA | NA | NA |
| IMPL-G | 914 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 915 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 916 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 918 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 920 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 921 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 01/19/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1007 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1002 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1019 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1012 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1000 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1003 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1004 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1005 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1009 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1011 | 0.0 | Y | Oily odor near spoiling pile | NA | NA | NA |
| IMPL-G | 1013 | 0.0 | Y | Oily odor near spoiling pile | NA | NA | NA |
| IMPL-H | 1014 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1015 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1017 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1020 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1021 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 01/19/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1107 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1101 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1118 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1111 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1100 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1103 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1104 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1105 | 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 | 1112 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1113 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1114 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1116 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1119 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1120 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 01/19/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1227 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1221 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1238 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1231 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1220 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1223 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1224 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1225 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1229 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1230 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1232 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1233 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1234 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1236 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1239 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1240 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 01/19/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1307 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1301 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1318 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1300 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1303 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1305 | 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 | 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 | 1316 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1319 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1320 | 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1407 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1401 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1416 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1400 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1403 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1404 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1405 | 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 | 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 |
| IMPL-K | 1417 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1418 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 01/19/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1507 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1501 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1518 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1511 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1500 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1503 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1504 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1505 | 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 | 1512 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1513 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1514 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1516 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1519 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1520 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 01/19/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1607 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1601 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1616 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1611 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1600 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1603 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1604 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1605 | 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 | 1612 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1613 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1614 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1615 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1617 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1618 | 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.

# PID & GC Readings

| Date: 01/20/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 741 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 731 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 748 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 744 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 730 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 733 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 737 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 739 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 740 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 742 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 745 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 746 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 747 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 749 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 749 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 750 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | No data collected at this time due to dark conditions. |
|---|---|

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# PID & GC Readings

| Date: 01/20/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 833 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 829 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 840 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 836 | 0.0 | Y | Oily odor near Spoiling pit | NA | NA | NA |
| IMPL-A | 828 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 830 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 831 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 832 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 833 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 835 | 0.0 | Y | Oily odor near Spoiling pit | NA | NA | NA |
| IMPL-G | 837 | 0.0 | Y | Oily odor near Spoiling pit | NA | NA | NA |
| IMPL-H | 838 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 839 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 841 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 841 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 842 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 01/20/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 906 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 901 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 915 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 909 | 0.0 | Y | Oily odor near Spoiling pit | NA | NA | NA |
| IMPL-A | 900 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 902 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 903 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 905 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 906 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 908 | 0.0 | Y | Oily odor near Spoiling pit | NA | NA | NA |
| IMPL-G | 911 | 0.0 | Y | Oily odor near Spoiling pit | NA | NA | NA |
| IMPL-H | 913 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 914 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 916 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 916 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 917 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 01/20/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1007 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1002 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1019 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1012 | 0.0 | Y | Oily odor near Spoiling pit | NA | NA | NA |
| IMPL-A | 1000 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1003 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1004 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1005 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1009 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1011 | 0.0 | Y | Oily odor near Spoiling pit | NA | NA | NA |
| IMPL-G | 1013 | 0.0 | Y | Oily odor near Spoiling pit | NA | NA | NA |
| IMPL-H | 1014 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1015 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1017 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1020 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1021 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 01/20/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1110 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1102 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1126 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1116 | 0.0 | Y | Oily odor near Spoiling pit | NA | NA | NA |
| IMPL-A | 1100 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1104 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1106 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1108 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1112 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1114 | 0.0 | Y | Oily odor near Spoiling pit | NA | NA | NA |
| IMPL-G | 1118 | 0.0 | Y | Oily odor near Spoiling pit | NA | NA | NA |
| IMPL-H | 1120 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1122 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1124 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1128 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1130 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 01/20/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1207 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1202 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1217 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1210 | 0.0 | Y | Oily odor near Spoiling pit | NA | NA | NA |
| IMPL-A | 1200 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1203 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1204 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1205 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1208 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1209 | 0.0 | Y | Oily odor near Spoiling pit | NA | NA | NA |
| IMPL-G | 1211 | 0.0 | Y | Oily odor near Spoiling pit | 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 | 1215 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1218 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1219 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 01/20/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1307 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1302 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1317 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1310 | 0.0 | Y | Oily odor near Spoiling pit | NA | NA | NA |
| IMPL-A | 1300 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1303 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1305 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1309 | 0.0 | Y | Oily odor near Spoiling pit | NA | NA | NA |
| IMPL-G | 1311 | 0.0 | Y | Oily odor near Spoiling pit | 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 | 1315 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1318 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1320 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 01/20/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1405 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1401 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1413 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1408 | 0.0 | Y | Oily odor near Spoiling pit | NA | NA | NA |
| IMPL-A | 1400 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1402 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1403 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1404 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1406 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1407 | 0.0 | Y | Oily odor near Spoiling pit | NA | NA | NA |
| IMPL-G | 1409 | 0.0 | Y | Oily odor near Spoiling pit | NA | NA | NA |
| IMPL-H | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1412 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1414 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1415 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 01/20/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-2 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-4 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-5 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-A | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-B | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-C | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-D | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-E | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-F | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-G | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-H | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-I | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-J | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-K | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-L | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |

| **Safety Observation/Suggestion:** | Day ended early. No observations recorded. |
|---|---|

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# PID & GC Readings

| Date: 01/20/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-2 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-4 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-5 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-A | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-B | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-C | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-D | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-E | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-F | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-G | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-H | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-I | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-J | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-K | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-L | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |

| **Safety Observation/Suggestion:** | Day ended early. No observations recorded. |
|---|---|

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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# PID & GC Readings

| Date: 01/21/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-2 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-4 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-5 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-A | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-B | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-C | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-D | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-E | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-F | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-G | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-H | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-I | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-J | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-K | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-L | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |

| **Safety Observation/Suggestion:** | No data collected at this time due to dark conditions. |
|---|---|

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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# PID & GC Readings

| Date: 01/21/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 805 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 801 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 812 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 808 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 800 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 802 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 803 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 804 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 807 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 809 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 810 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 811 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 813 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 813 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 814 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 01/21/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 906 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 901 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 915 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 909 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 900 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 902 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 903 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 905 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 906 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 908 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 911 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 913 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 914 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 916 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 916 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 917 | 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1005 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1001 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1013 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1008 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1000 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1002 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1003 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1004 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1006 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1007 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1009 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1010 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1011 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1012 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1014 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1015 | 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 |

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

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1110 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1102 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1126 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1116 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1100 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1104 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1106 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1108 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1112 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1114 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1118 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1120 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1122 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1124 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1128 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1130 | 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 |

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

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-2 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-4 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-5 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-A | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-B | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-C | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-D | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-E | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-F | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-G | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-H | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-I | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-J | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-K | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-L | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |

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

At the end of the day:

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

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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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-2 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-4 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-5 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-A | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-B | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-C | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-D | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-E | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-F | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-G | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-H | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-I | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-J | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-K | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-L | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |

| **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
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# PID & GC Readings

| Date: 01/21/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-2 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-4 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-5 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-A | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-B | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-C | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-D | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-E | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-F | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-G | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-H | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-I | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-J | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-K | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-L | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |

| **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.

# PID & GC Readings

| Date: 01/21/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-2 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-4 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-5 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-A | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-B | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-C | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-D | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-E | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-F | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-G | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-H | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-I | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-J | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-K | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-L | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |

| **Safety Observation/Suggestion:** | Day ended early. No observations recorded. |
|---|---|

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.

# PID & GC Readings

| Date: 01/21/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-2 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-4 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-5 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-A | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-B | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-C | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-D | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-E | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-F | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-G | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-H | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-I | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-J | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-K | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-L | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |

| **Safety Observation/Suggestion:** | Day ended early. No observations recorded. |
|---|---|

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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# PID & GC Readings

| Date: 01/24/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-2 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-4 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-5 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-A | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-B | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-C | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-D | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-E | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-F | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-G | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-H | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-I | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-J | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-K | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-L | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |

| Safety Observation/Suggestion: | No data collected at this time due to dark conditions. |
|---|---|

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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# PID & GC Readings

| Date: 01/24/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 814 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 804 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 832 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 822 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 800 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 806 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 808 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 810 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 814 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 818 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 824 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 826 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 828 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 830 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 836 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 838 | 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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# PID & GC Readings

| Date: 01/24/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 906 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 901 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 917 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 910 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 900 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 902 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 903 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 905 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 907 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 909 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 912 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 914 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 916 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 918 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 918 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 919 | 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.

# PID & GC Readings

| Date: 01/24/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1007 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1002 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1018 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1012 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1000 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1003 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1004 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1005 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1008 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1010 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1013 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1014 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1015 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1016 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1019 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1020 | 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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# PID & GC Readings

| Date: 01/24/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1109 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1102 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1119 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1113 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1100 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1104 | 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 | 1110 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1111 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1114 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1115 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1116 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1117 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1120 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1121 | 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.

# PID & GC Readings

| Date: 01/24/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1209 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1202 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1219 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1213 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1200 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1204 | 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 | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1211 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1214 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1215 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1216 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1217 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1220 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1221 | 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.

# PID & GC Readings

| Date: 01/24/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 | Y | Exhaust Odor | NA | NA | NA |
| SAM-2 | 1341 | 0.0 | Y | Exhaust Odor | NA | NA | NA |
| SAM-4 | 1353 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1348 | 0.0 | Y | Exhaust Odor & Slight Oil odor | NA | NA | NA |
| IMPL-A | 1340 | 0.0 | Y | Exhaust Odor | NA | NA | NA |
| IMPL-B | 1342 | 0.0 | Y | Exhaust Odor | NA | NA | NA |
| IMPL-C | 1343 | 0.0 | Y | Exhaust Odor | NA | NA | NA |
| IMPL-D | 1344 | 0.0 | Y | Exhaust Odor | NA | NA | NA |
| IMPL-E | 1346 | 0.0 | Y | Exhaust Odor | NA | NA | NA |
| IMPL-F | 1347 | 0.0 | Y | Exhaust Odor | NA | NA | NA |
| IMPL-G | 1349 | 0.0 | Y | Exhaust Odor & Slight Oil odor | NA | NA | NA |
| IMPL-H | 1350 | 0.0 | Y | Exhaust Odor & Slight Oil odor | NA | NA | NA |
| IMPL-I | 1351 | 0.0 | Y | Exhaust Odor & Slight Oil odor | NA | NA | NA |
| IMPL-J | 1352 | 0.0 | Y | Exhaust Odor | NA | NA | NA |
| IMPL-K | 1354 | 0.0 | Y | Exhaust Odor | NA | NA | NA |
| IMPL-L | 1355 | 0.0 | Y | Exhaust 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.

# PID & GC Readings

| Date: 01/24/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 | Y | Exhaust Odor | NA | NA | NA |
| SAM-2 | 1402 | 0.0 | Y | Exhaust Odor | NA | NA | NA |
| SAM-4 | 1427 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1418 | 0.0 | Y | Exhaust Odor & Slight Oil odor | NA | NA | NA |
| IMPL-A | 1400 | 0.0 | Y | Exhaust Odor | NA | NA | NA |
| IMPL-B | 1404 | 0.0 | Y | Exhaust Odor | NA | NA | NA |
| IMPL-C | 1406 | 0.0 | Y | Exhaust Odor | NA | NA | NA |
| IMPL-D | 1408 | 0.0 | Y | Exhaust Odor | NA | NA | NA |
| IMPL-E | 1413 | 0.0 | Y | Exhaust Odor | NA | NA | NA |
| IMPL-F | 1416 | 0.0 | Y | Exhaust Odor | NA | NA | NA |
| IMPL-G | 1421 | 0.0 | Y | Exhaust Odor & Slight Oil odor | NA | NA | NA |
| IMPL-H | 1422 | 0.0 | Y | Exhaust Odor & Slight Oil odor | NA | NA | NA |
| IMPL-I | 1424 | 0.0 | Y | Exhaust Odor & Slight Oil odor | NA | NA | NA |
| IMPL-J | 1425 | 0.0 | Y | Exhaust Odor | NA | NA | NA |
| IMPL-K | 1428 | 0.0 | Y | Exhaust Odor | NA | NA | NA |
| IMPL-L | 1429 | 0.0 | Y | Exhaust Odor | NA | NA | NA |

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

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# PID & GC Readings

| Date: 01/24/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1509 | 0.0 | Y | Exhaust Odor | NA | NA | NA |
| SAM-2 | 1502 | 0.0 | Y | Exhaust Odor | NA | NA | NA |
| SAM-4 | 1519 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1513 | 0.0 | Y | Exhaust Odor & Slight Oil odor | NA | NA | NA |
| IMPL-A | 1500 | 0.0 | Y | Exhaust Odor | NA | NA | NA |
| IMPL-B | 1504 | 0.0 | Y | Exhaust Odor | NA | NA | NA |
| IMPL-C | 1506 | 0.0 | Y | Exhaust Odor | NA | NA | NA |
| IMPL-D | 1507 | 0.0 | Y | Exhaust Odor | NA | NA | NA |
| IMPL-E | 1510 | 0.0 | Y | Exhaust Odor | NA | NA | NA |
| IMPL-F | 1511 | 0.0 | Y | Dead fish odor | NA | NA | NA |
| IMPL-G | 1514 | 0.0 | Y | Exhaust Odor & Slight Oil odor | NA | NA | NA |
| IMPL-H | 1515 | 0.0 | Y | Exhaust Odor & Slight Oil odor | NA | NA | NA |
| IMPL-I | 1516 | 0.0 | Y | Exhaust Odor & Slight Oil odor | NA | NA | NA |
| IMPL-J | 1517 | 0.0 | Y | Exhaust Odor | NA | NA | NA |
| IMPL-K | 1520 | 0.0 | Y | Exhaust Odor | NA | NA | NA |
| IMPL-L | 1521 | 0.0 | Y | Exhaust Odor | NA | NA | NA |

| **Safety Observation/Suggestion:** | Day ended early. No observations recorded. |
|---|---|

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# PID & GC Readings

| Date: 01/24/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1609 | 0.0 | Y | Exhaust Odor | NA | NA | NA |
| SAM-2 | 1602 | 0.0 | Y | Exhaust Odor | NA | NA | NA |
| SAM-4 | 1619 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1613 | 0.0 | Y | Exhaust Odor & Slight Oil odor | NA | NA | NA |
| IMPL-A | 1600 | 0.0 | Y | Exhaust Odor | NA | NA | NA |
| IMPL-B | 1604 | 0.0 | Y | Exhaust Odor | NA | NA | NA |
| IMPL-C | 1606 | 0.0 | Y | Exhaust Odor | NA | NA | NA |
| IMPL-D | 1607 | 0.0 | Y | Exhaust Odor | NA | NA | NA |
| IMPL-E | 1610 | 0.0 | Y | Exhaust Odor | NA | NA | NA |
| IMPL-F | 1611 | 0.0 | Y | Dead fish odor | NA | NA | NA |
| IMPL-G | 1614 | 0.0 | Y | Exhaust Odor & Slight Oil odor | NA | NA | NA |
| IMPL-H | 1615 | 0.0 | Y | Exhaust Odor & Slight Oil odor | NA | NA | NA |
| IMPL-I | 1616 | 0.0 | Y | Exhaust Odor & Slight Oil odor | NA | NA | NA |
| IMPL-J | 1617 | 0.0 | Y | Exhaust Odor | NA | NA | NA |
| IMPL-K | 1620 | 0.0 | Y | Exhaust Odor | NA | NA | NA |
| IMPL-L | 1621 | 0.0 | Y | Exhaust Odor | NA | NA | NA |

| **Safety Observation/Suggestion:** | Day ended early. No observations recorded. |
|---|---|

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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# PID & GC Readings

| Date: 01/25/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-2 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-4 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-5 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-A | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-B | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-C | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-D | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-E | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-F | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-G | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-H | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-I | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-J | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-K | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-L | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |

| **Safety Observation/Suggestion:** | No data collected at this time due to dark conditions. |
|---|---|

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# PID & GC Readings

| Date: 01/25/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 814 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 804 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 823 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 819 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 800 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 806 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 808 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 810 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 814 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 818 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 820 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 821 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 822 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 823 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 824 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 826 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 01/25/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 912 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 904 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 925 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 916 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 901 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 906 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 907 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 909 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 911 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 913 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 918 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 920 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 922 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 924 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 926 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 927 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 01/25/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1007 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1002 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1018 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1012 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1000 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1003 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1004 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1005 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1008 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1010 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1013 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1014 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1015 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1016 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1019 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1020 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 01/25/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1109 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1102 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1119 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1113 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1100 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1104 | 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 | 1110 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1111 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1114 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1115 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1116 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1117 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1120 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1121 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 01/25/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1209 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1202 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1219 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1213 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1200 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1204 | 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 | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1211 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1214 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1215 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1216 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1217 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1220 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1221 | 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.

# PID & GC Readings

| Date: 01/25/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 | Oil odor from H3 pit | NA | NA | NA |
| SAM-2 | 1302 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1318 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1312 | 0.0 | Y | Oil odor from H3 pit | NA | NA | NA |
| IMPL-A | 1300 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1303 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1305 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1309 | 0.0 | Y | Oil odor from H3 pit | NA | NA | NA |
| IMPL-F | 1310 | 0.0 | Y | Oil odor from H3 pit | NA | NA | NA |
| IMPL-G | 1313 | 0.0 | Y | Oil odor from H3 pit | NA | NA | NA |
| IMPL-H | 1314 | 0.0 | Y | Oil odor from H3 pit | NA | NA | NA |
| IMPL-I | 1315 | 0.0 | Y | Oil odor from H3 pit | NA | NA | NA |
| IMPL-J | 1316 | 0.0 | Y | Oil odor from H3 pit | NA | NA | NA |
| IMPL-K | 1319 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1320 | 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.

# PID & GC Readings

| Date: 01/25/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1406 | 0.0 | Y | Oil odor from H3 pit | NA | NA | NA |
| SAM-2 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1418 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1412 | 0.0 | Y | Oil odor from H3 pit | NA | NA | NA |
| IMPL-A | 1400 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1403 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1404 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1405 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1409 | 0.0 | Y | Oil odor from H3 pit | NA | NA | NA |
| IMPL-F | 1410 | 0.0 | Y | Oil odor from H3 pit | NA | NA | NA |
| IMPL-G | 1413 | 0.0 | Y | Oil odor from H3 pit | NA | NA | NA |
| IMPL-H | 1414 | 0.0 | Y | Oil odor from H3 pit | NA | NA | NA |
| IMPL-I | 1415 | 0.0 | Y | Oil odor from H3 pit | NA | NA | NA |
| IMPL-J | 1416 | 0.0 | Y | Oil odor from H3 pit | NA | NA | NA |
| IMPL-K | 1419 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1420 | 0.0 | N | NA | NA | NA | NA |

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

At the end of the day:

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# PID & GC Readings

| Date: 01/25/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1506 | 0.0 | Y | Oil odor from H3 pit | NA | NA | NA |
| SAM-2 | 1502 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1518 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1512 | 0.0 | Y | Oil odor from H3 pit | NA | NA | NA |
| IMPL-A | 1500 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1503 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1504 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1505 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1509 | 0.0 | Y | Oil odor from H3 pit | NA | NA | NA |
| IMPL-F | 1510 | 0.0 | Y | Oil odor from H3 pit | NA | NA | NA |
| IMPL-G | 1513 | 0.0 | Y | Oil odor from H3 pit | NA | NA | NA |
| IMPL-H | 1514 | 0.0 | Y | Oil odor from H3 pit | NA | NA | NA |
| IMPL-I | 1515 | 0.0 | Y | Oil odor from H3 pit | NA | NA | NA |
| IMPL-J | 1516 | 0.0 | Y | Oil odor from H3 pit | NA | NA | NA |
| IMPL-K | 1519 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1520 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | Day ended early. No observations recorded. |
|---|---|

At the end of the day:

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# PID & GC Readings

| Date: 01/25/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-2 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-4 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-5 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-A | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-B | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-C | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-D | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-E | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-F | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-G | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-H | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-I | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-J | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-K | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-L | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |

| **Safety Observation/Suggestion:** | Day ended early. No observations recorded. |
|---|---|

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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# PID & GC Readings

| Date: 01/26/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| SAM-2 | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| SAM-4 | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| SAM-5 | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| IMPL-A | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| IMPL-B | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| IMPL-C | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| IMPL-D | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| IMPL-E | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| IMPL-F | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| IMPL-G | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| IMPL-H | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| IMPL-I | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| IMPL-J | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| IMPL-K | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| IMPL-L | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |

| **Safety Observation/Suggestion:** | No data collected at this time due to dark conditions. |
|---|---|

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# PID & GC Readings

| Date: 01/26/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 810 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 800 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 830 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 821 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 755 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 802 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 806 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 808 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 817 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 819 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 822 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 823 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 824 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 826 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 836 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 838 | 0.0 | N | NA | NA | NA | NA |

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

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| Date: 01/26/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 935 | 0.0 | Y | Oily odor south of H3 pit | NA | NA | NA |
| SAM-2 | 928 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 948 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 941 | 0.0 | Y | Oily odor south of H3 pit | NA | NA | NA |
| IMPL-A | 925 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 929 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 931 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 933 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 937 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 939 | 0.0 | Y | Oily odor south of H3 pit | NA | NA | NA |
| IMPL-G | 942 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 943 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 944 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 946 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 949 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 950 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

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

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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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1007 | 0.0 | Y | Oily odor south of H3 pit | NA | NA | NA |
| SAM-2 | 1002 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1019 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1012 | 0.0 | Y | Oily odor south of H3 pit | NA | NA | NA |
| IMPL-A | 1000 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1003 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1004 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1005 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1009 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1011 | 0.0 | Y | Oily odor south of H3 pit | NA | NA | NA |
| IMPL-G | 1013 | 0.0 | Y | Oily odor south of H3 pit | NA | NA | NA |
| IMPL-H | 1014 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1015 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1017 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1020 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1021 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 01/26/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1113 | 0.0 | Y | Oily odor south of H3 pit | NA | NA | NA |
| SAM-2 | 1107 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1125 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1118 | 0.0 | Y | Oily odor south of H3 pit | NA | NA | NA |
| IMPL-A | 1105 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1109 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1110 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1111 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1115 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1116 | 0.0 | Y | Oily odor south of H3 pit | NA | NA | NA |
| IMPL-G | 1119 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1120 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1121 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1123 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1126 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1127 | 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.

# PID & GC Readings

| Date: 01/26/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1212 | 0.0 | Y | Oily odor south of H3 pit | NA | NA | NA |
| SAM-2 | 1202 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1224 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1217 | 0.0 | Y | Oily odor south of H3 pit | NA | NA | NA |
| IMPL-A | 1200 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1204 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1208 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1214 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1216 | 0.0 | Y | Oily odor south of H3 pit | NA | NA | NA |
| IMPL-G | 1218 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1219 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1220 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1222 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1225 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1226 | 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.

# PID & GC Readings

| Date: 01/26/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1312 | 0.0 | Y | Oily odor south of H3 pit | NA | NA | NA |
| SAM-2 | 1302 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1324 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1317 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1300 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1310 | 0.0 | Y | Oily odor from H3 pit | NA | NA | NA |
| IMPL-E | 1314 | 0.0 | Y | Oily odor from H3 pit | NA | NA | NA |
| IMPL-F | 1316 | 0.0 | Y | Oily odor south of H3 pit | NA | NA | NA |
| IMPL-G | 1318 | 0.0 | Y | Oily odor from H3 pit | NA | NA | NA |
| IMPL-H | 1319 | 0.0 | Y | Oily odor from H3 pit | NA | NA | NA |
| IMPL-I | 1320 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1322 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1325 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1326 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | Brief hits of 0.1 ppm for less than 10 seconds when downwind of H3 pit due to offgassing of contaminated soils as they are removed from pit. |
|---|---|

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# PID & GC Readings

| Date: 01/26/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1442 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1432 | 0.0 | Y | Oily odor from H3 pit | NA | NA | NA |
| SAM-4 | 1454 | 0.0 | Y | Oily odor from H3 pit | NA | NA | NA |
| SAM-5 | 1447 | 0.0 | Y | Oily odor from H3 pit | NA | NA | NA |
| IMPL-A | 1430 | 0.0 | N | Oily odor from H3 pit | NA | NA | NA |
| IMPL-B | 1434 | 0.0 | Y | Oily odor from H3 pit | NA | NA | NA |
| IMPL-C | 1438 | 0.0 | Y | Oily odor from H3 pit | NA | NA | NA |
| IMPL-D | 1440 | 0.0 | Y | Oily odor from H3 pit | NA | NA | NA |
| IMPL-E | 1444 | 0.0 | Y | Oily odor from H3 pit | NA | NA | NA |
| IMPL-F | 1446 | 0.0 | Y | Oily odor from H3 pit | NA | NA | NA |
| IMPL-G | 1448 | 0.0 | Y | Oily odor from H3 pit | NA | NA | NA |
| IMPL-H | 1449 | 0.0 | Y | Oily odor from H3 pit | NA | NA | NA |
| IMPL-I | 1450 | 0.0 | Y | Oily odor from H3 pit | NA | NA | NA |
| IMPL-J | 1452 | 0.0 | Y | Oily odor from H3 pit | NA | NA | NA |
| IMPL-K | 1455 | 0.0 | Y | Oily odor from H3 pit | NA | NA | NA |
| IMPL-L | 1456 | 0.0 | Y | Oily odor from H3 pit | NA | NA | NA |

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

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4. Confirm all analyzers are in "operate" mode

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# PID & GC Readings

| Date: 01/26/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1512 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1502 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1524 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1517 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1500 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1504 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1514 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1516 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1518 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1519 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1520 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1522 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1525 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1526 | 0.0 | N | NA | NA | NA | NA |

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

At the end of the day:

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# PID & GC Readings

| Date: 01/26/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| SAM-2 | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| SAM-4 | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| SAM-5 | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| IMPL-A | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| IMPL-B | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| IMPL-C | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| IMPL-D | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| IMPL-E | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| IMPL-F | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| IMPL-G | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| IMPL-H | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| IMPL-I | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| IMPL-J | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| IMPL-K | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |
| IMPL-L | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED | NOT RECORDED |

| **Safety Observation/Suggestion:** | End of Day; no recordings for this time. |
|---|---|

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# PID & GC Readings

| Date: 01/27/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 737 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 732 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 749 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 742 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 730 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 733 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 734 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 735 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 739 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 741 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 743 | 0.0 | Y | Light to medium odor form H3 pit | NA | NA | NA |
| IMPL-H | 744 | 0.0 | Y | Light to medium odor form H3 pit | NA | NA | NA |
| IMPL-I | 745 | 0.0 | Y | Light to medium odor form H3 pit | NA | NA | NA |
| IMPL-J | 747 | 0.0 | Y | Light to medium odor form H3 pit | NA | NA | NA |
| IMPL-K | 750 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 751 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | No data collected at this time due to dark conditions. |
|---|---|

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# PID & GC Readings

| Date: 01/27/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 827 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 822 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 839 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 832 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 820 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 823 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 824 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 825 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 829 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 831 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 833 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 834 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 835 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 837 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 840 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 841 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 01/27/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 910 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 903 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 923 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 916 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 900 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 904 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 906 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 908 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 912 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 914 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 917 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 918 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 919 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 921 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 924 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 925 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 01/27/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1007 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1002 | 0.0 | Y | Oily Exhaust odor | NA | NA | NA |
| SAM-4 | 1019 | 0.0 | Y | Oily Exhaust odor | NA | NA | NA |
| SAM-5 | 1012 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1000 | 0.0 | Y | Oily Exhaust odor | NA | NA | NA |
| IMPL-B | 1003 | 0.0 | Y | Oily Exhaust odor | NA | NA | NA |
| IMPL-C | 1004 | 0.0 | Y | Oily Exhaust odor | NA | NA | NA |
| IMPL-D | 1005 | 0.0 | Y | Oily Exhaust odor | NA | NA | NA |
| IMPL-E | 1009 | 0.0 | Y | Oily Exhaust odor | NA | NA | NA |
| IMPL-F | 1011 | 0.0 | Y | Oily Exhaust odor | NA | NA | NA |
| IMPL-G | 1013 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1014 | 0.0 | Y | Oily Exhaust odor | NA | NA | NA |
| IMPL-I | 1015 | 0.0 | Y | Oily Exhaust odor | NA | NA | NA |
| IMPL-J | 1017 | 0.0 | Y | Oily Exhaust odor | NA | NA | NA |
| IMPL-K | 1020 | 0.1 | Y | Oily Exhaust odor | NA | NA | NA |
| IMPL-L | 1021 | 0.1 | Y | Oily Exhaust odor | NA | NA | NA |

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

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# PID & GC Readings

| Date: 01/27/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1107 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1102 | 0.0 | Y | Oily Exhaust odor | NA | NA | NA |
| SAM-4 | 1119 | 0.0 | Y | Oily Exhaust odor | NA | NA | NA |
| SAM-5 | 1112 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1100 | 0.0 | Y | Oily Exhaust odor | NA | NA | NA |
| IMPL-B | 1103 | 0.0 | Y | Oily Exhaust odor | NA | NA | NA |
| IMPL-C | 1104 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1105 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1109 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1111 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1113 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1114 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1115 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1117 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1120 | 0.1 | Y | Oily Exhaust odor | NA | NA | NA |
| IMPL-L | 1121 | 0.1 | Y | Oily Exhaust 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.

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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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1212 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1202 | 0.0 | Y | Very light oily odor | NA | NA | NA |
| SAM-4 | 1224 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1217 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1200 | 0.0 | Y | Very light oily odor | NA | NA | NA |
| IMPL-B | 1204 | 0.0 | Y | Very light oily odor | NA | NA | NA |
| IMPL-C | 1208 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1214 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1216 | 0.0 | Y | Oily odor from H3 pit | NA | NA | NA |
| IMPL-G | 1218 | 0.0 | Y | Oily odor from H3 pit | NA | NA | NA |
| IMPL-H | 1219 | 0.0 | Y | Oily odor from H3 pit | NA | NA | NA |
| IMPL-I | 1220 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1222 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1225 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1226 | 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1312 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1302 | 0.0 | Y | Very light oily odor | NA | NA | NA |
| SAM-4 | 1324 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1317 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1300 | 0.0 | Y | Very light oily odor | NA | NA | NA |
| IMPL-B | 1304 | 0.0 | Y | Very light oily odor | NA | NA | NA |
| IMPL-C | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1314 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1316 | 0.0 | Y | Oily odor from H3 pit | NA | NA | NA |
| IMPL-G | 1318 | 0.0 | Y | Oily odor from H3 pit | NA | NA | NA |
| IMPL-H | 1319 | 0.0 | Y | Oily odor from H3 pit | NA | NA | NA |
| IMPL-I | 1320 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1322 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1325 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1326 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | Brief hits of 0.1 ppm for less than 10 seconds when downwind of H3 pit due to offgassing of contaminated soils as they are removed from pit. |
|---|---|

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# PID & GC Readings

| Date: 01/27/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1412 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1424 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1417 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1400 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1404 | 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 |
| IMPL-E | 1414 | 0.0 | Y | Slight odor from H3 pit/Keller drilling | NA | NA | NA |
| IMPL-F | 1416 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1418 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1419 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1420 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1422 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1425 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1426 | 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1512 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1502 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1524 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1517 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1500 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1504 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1514 | 0.0 | Y | Slight odor form H3 pit and Keller Drilling | NA | NA | NA |
| IMPL-F | 1516 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1518 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1519 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1520 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1522 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1525 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1526 | 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1612 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1602 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1624 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1617 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1600 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1604 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1608 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1610 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1614 | 0.0 | Y | Slight odor form H3 pit and Keller Drilling | NA | NA | NA |
| IMPL-F | 1616 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1618 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1619 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1620 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1622 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1625 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1626 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | End of Day; no recordings for this time. |
|---|---|

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# PID & GC Readings

| Date: 01/28/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 737 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 732 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 749 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 742 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 730 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 733 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 734 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 735 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 739 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 741 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 743 | 0.0 | Y | Light to medium odor form H3 pit | NA | NA | NA |
| IMPL-H | 744 | 0.0 | Y | Light to medium odor form H3 pit | NA | NA | NA |
| IMPL-I | 745 | 0.0 | Y | Light to medium odor form H3 pit | NA | NA | NA |
| IMPL-J | 747 | 0.0 | Y | Light to medium odor form H3 pit | NA | NA | NA |
| IMPL-K | 750 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 751 | 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 807 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 802 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 819 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 812 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 800 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 803 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 804 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 809 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 811 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 813 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 814 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 815 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 817 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 820 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 821 | 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 910 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 903 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 923 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 916 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 900 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 904 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 906 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 908 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 912 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 914 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 917 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 918 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 919 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 921 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 924 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 925 | 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1007 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1002 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1019 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1012 | 0.0 | Y | Minor oily odor | NA | NA | NA |
| IMPL-A | 1000 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1003 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1004 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1005 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1009 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1011 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1013 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1014 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1015 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1017 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1020 | 0.1 | N | NA | NA | NA | NA |
| IMPL-L | 1021 | 0.1 | 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.

# PID & GC Readings

| Date: 01/28/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1107 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1102 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1119 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1112 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1100 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1103 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1104 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1105 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1109 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1111 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1113 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1114 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1115 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1117 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1120 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1121 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 01/28/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1212 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1202 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1224 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1217 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1200 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1204 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1208 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1214 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1216 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1218 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1219 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1220 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1222 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1225 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1226 | 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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# PID & GC Readings

| Date: 01/28/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1312 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1302 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1324 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1317 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1300 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1314 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1316 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1318 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1319 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1320 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1322 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1325 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1326 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | Brief hits of 0.1 ppm for less than 10 seconds when downwind of H3 pit due to offgassing of contaminated soils as they are removed from pit. |
|---|---|

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4. Confirm all analyzers are in "operate" mode

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# PID & GC Readings

| Date: 01/28/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1412 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1424 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1417 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1400 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1404 | 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 |
| IMPL-E | 1414 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1416 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1418 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1419 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1420 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1422 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1425 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1426 | 0.0 | N | NA | NA | NA | NA |

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

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4. Confirm all analyzers are in "operate" mode

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# PID & GC Readings

| Date: 01/28/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1512 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1502 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1524 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1517 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1500 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1504 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1514 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1516 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1518 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1519 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1520 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1522 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1525 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1526 | 0.0 | N | NA | NA | NA | NA |

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

At the end of the day:

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# PID & GC Readings

| Date: 01/28/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1612 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1602 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1624 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1617 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1600 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1604 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1608 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1610 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1614 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1616 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1618 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1619 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1620 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1622 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1625 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1626 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | End of Day; no recordings for this time. |
|---|---|

At the end of the day:

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# PID & GC Readings

| Date: 01/31/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 737 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 732 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 749 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 742 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 730 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 733 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 734 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 735 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 739 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 741 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 743 | 0.0 | Y | Light to medium odor form H3 pit | NA | NA | NA |
| IMPL-H | 744 | 0.0 | Y | Light to medium odor form H3 pit | NA | NA | NA |
| IMPL-I | 745 | 0.0 | Y | Light to medium odor form H3 pit | NA | NA | NA |
| IMPL-J | 747 | 0.0 | Y | Light to medium odor form H3 pit | NA | NA | NA |
| IMPL-K | 750 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 751 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 01/31/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 813 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 805 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 830 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 820 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 800 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 806 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 807 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 808 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 815 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 817 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 821 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 822 | 0.0 | Y | Light vinegar odor | NA | NA | NA |
| IMPL-I | 823 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 825 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 831 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 832 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 01/31/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 911 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 903 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 926 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 918 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 900 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 904 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 906 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 908 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 913 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 915 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 919 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 920 | 0.0 | Y | Light vinegar odor | NA | NA | NA |
| IMPL-I | 921 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 923 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 927 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 928 | 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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# PID & GC Readings

| Date: 01/31/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1007 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1002 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1019 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1012 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1000 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1003 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1004 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1005 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1009 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1011 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1013 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1014 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1015 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1017 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1020 | 0.1 | N | NA | NA | NA | NA |
| IMPL-L | 1021 | 0.1 | 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.

# PID & GC Readings

| Date: 01/31/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1107 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1102 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1119 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1112 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1100 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1103 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1104 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1105 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1109 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1111 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1113 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1114 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1115 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1117 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1120 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1121 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 01/31/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1212 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1202 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1224 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1217 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1200 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1204 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1208 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1214 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1216 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1218 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1219 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1220 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1222 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1225 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1226 | 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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# PID & GC Readings

| Date: 01/31/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1312 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1302 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1324 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1317 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1300 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1314 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1316 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1318 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1319 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1320 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1322 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1325 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1326 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 01/31/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1412 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1424 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1417 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1400 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1404 | 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 |
| IMPL-E | 1414 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1416 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1418 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1419 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1420 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1422 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1425 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1426 | 0.0 | N | NA | NA | NA | NA |

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

At the end of the day:

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# PID & GC Readings

| Date: 01/31/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1512 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1502 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1524 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1517 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1500 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1504 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1514 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1516 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1518 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1519 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1520 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1522 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1525 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1526 | 0.0 | N | NA | NA | NA | NA |

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

At the end of the day:

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# PID & GC Readings

| Date: 01/31/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1612 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1602 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1624 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1617 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1600 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1604 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1608 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1610 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1614 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1616 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1618 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1619 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1620 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1622 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1625 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1626 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | End of Day; no recordings for this time. |
|---|---|

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.

# PID & GC Readings

| Date: 02/01/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 737 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 732 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 749 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 742 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 730 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 733 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 734 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 735 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 739 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 741 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 743 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 744 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 745 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 747 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 750 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 751 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/01/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 807 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 802 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 821 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 814 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 800 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 803 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 804 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 809 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 811 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 815 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 816 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 817 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 819 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 822 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 823 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/01/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 907 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 902 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 918 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 911 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 900 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 903 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 904 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 905 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 908 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 909 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 912 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 913 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 914 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 916 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 919 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 920 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/01/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1007 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1002 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1019 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1012 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1000 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1003 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1004 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1005 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1009 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1011 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1013 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1014 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1015 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1017 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1020 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1021 | 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.

# PID & GC Readings

| Date: 02/01/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1107 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1102 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1119 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1112 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1100 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1103 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1104 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1105 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1109 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1111 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1113 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1114 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1115 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1117 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1120 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1121 | 0.0 | N | NA | NA | NA | NA |

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

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3. Note any supplies needed
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# PID & GC Readings

| Date: 02/01/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1208 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1202 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1220 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1213 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1200 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1203 | 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 |
| IMPL-E | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1212 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1214 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1215 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1216 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1218 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1221 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1222 | 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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# PID & GC Readings

| Date: 02/01/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 | N | NA | NA | NA | NA |
| SAM-2 | 1302 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1319 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1312 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1300 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1305 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1306 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1309 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1313 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1314 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1315 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1317 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1320 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1321 | 0.0 | N | NA | NA | NA | NA |

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

At the end of the day:

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# PID & GC Readings

| Date: 02/01/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1409 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1418 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1412 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1400 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1404 | 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 | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1413 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1414 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1415 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1416 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1419 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1420 | 0.0 | Y | Slight oily odor from spoilings | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/01/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1512 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1502 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1524 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1517 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1500 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1504 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1514 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1516 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1518 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1519 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1520 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1522 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1525 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1526 | 0.0 | Y | Slight oily odor from spoilings | 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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# PID & GC Readings

| Date: 02/01/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1612 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1602 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1624 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1617 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1600 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1604 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1608 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1610 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1614 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1616 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1618 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1619 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1620 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1622 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1625 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1626 | 0.0 | Y | Slight oily odor dissipating | 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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# PID & GC Readings

| Date: 02/02/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-2 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-4 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-5 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-A | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-B | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-C | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-D | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-E | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-F | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-G | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-H | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-I | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-J | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-K | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-L | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |

| **Safety Observation/Suggestion:** | No PID recordings for today due to weather. Snow is heaving and covering over the entire site. No onsite activities except partial road clearing. |
|---|---|

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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# PID & GC Readings

| Date: 02/02/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-2 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-4 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-5 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-A | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-B | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-C | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-D | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-E | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-F | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-G | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-H | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-I | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-J | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-K | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-L | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |

| **Safety Observation/Suggestion:** | No PID recordings for today due to weather. Snow is heaving and covering over the entire site. No onsite activities except partial road clearing. |
|---|---|

At the end of the day:

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# PID & GC Readings

| Date: 02/02/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-2 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-4 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-5 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-A | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-B | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-C | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-D | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-E | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-F | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-G | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-H | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-I | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-J | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-K | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-L | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |

| **Safety Observation/Suggestion:** | No PID recordings for today due to weather. Snow is heaving and covering over the entire site. No onsite activities except partial road clearing. |
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# PID & GC Readings

| Date: 02/02/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
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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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
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| SAM-2 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-4 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-5 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-A | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-B | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-C | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-D | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-E | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-F | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-G | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-H | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-I | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-J | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-K | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-L | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |

| **Safety Observation/Suggestion:** | No PID recordings for today due to weather. Snow is heaving and covering over the entire site. No onsite activities except partial road clearing. |
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| Date: 02/02/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
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| Daily PID Bump Test | |
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| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
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| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
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| SAM-2 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-4 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-5 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-A | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-B | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-C | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-D | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-E | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-F | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-G | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-H | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-I | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-J | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-K | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
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# PID & GC Readings

| Date: 02/02/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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) | |
|---|---|
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| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-2 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-4 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-5 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-A | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-B | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-C | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-D | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-E | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-F | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-G | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-H | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-I | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-J | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-K | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
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# PID & GC Readings

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|---|---|
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| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
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| SAM-5 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-A | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-B | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-C | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-D | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-E | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-F | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-G | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-H | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-I | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-J | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-K | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
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| SAM-5 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-A | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-B | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-C | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-D | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-E | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-F | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-G | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-H | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-I | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-J | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-K | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
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| IMPL-G | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
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| IMPL-J | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-K | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
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| IMPL-B | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-C | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-D | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-E | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-F | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-G | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-H | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-I | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-J | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-K | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
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# PID & GC Readings

| Date: 02/03/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

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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 |
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| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
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| SAM-2 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-4 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-5 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-A | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-B | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-C | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-D | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-E | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-F | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-G | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-H | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-I | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-J | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-K | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
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# PID & GC Readings

| Date: 02/03/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
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| Bump Test Concentration (ppm) | 100 |

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|---|---|
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| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
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| SAM-2 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-4 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-5 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-A | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-B | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-C | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-D | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-E | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-F | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-G | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-H | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-I | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-J | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-K | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
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|---|---|
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| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-2 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-4 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-5 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-A | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-B | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-C | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-D | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-E | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-F | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-G | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-H | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-I | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-J | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-K | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
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| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
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| IMPL-A | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
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| IMPL-D | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-E | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-F | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-G | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-H | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-I | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-J | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-K | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
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| IMPL-D | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-E | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-F | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-G | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-H | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-I | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-J | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-K | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
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| IMPL-A | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-B | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
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| IMPL-D | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-E | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-F | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-G | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-H | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-I | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-J | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-K | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
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| IMPL-K | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-L | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |

| **Safety Observation/Suggestion:** | No PID recordings for today due to weather. Snow is heaving and covering over the entire site. No onsite activities except partial road clearing. |
|---|---|

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
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# PID & GC Readings

| Date: 02/03/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-2 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-4 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-5 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-A | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-B | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-C | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-D | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-E | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-F | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-G | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-H | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-I | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-J | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-K | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-L | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |

| **Safety Observation/Suggestion:** | No PID recordings for today due to weather. Snow is heaving and covering over the entire site. No onsite activities except partial road clearing. |
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# PID & GC Readings

| Date: 02/03/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, 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) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-2 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-4 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-5 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-A | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-B | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-C | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-D | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-E | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-F | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-G | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-H | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-I | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-J | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-K | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-L | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |

| **Safety Observation/Suggestion:** | No PID recordings for today due to weather. Snow is heaving and covering over the entire site. No onsite activities except partial road clearing. |
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# PID & GC Readings

| Date: 02/04/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

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

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

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

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-2 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-4 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-5 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-A | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-B | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-C | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-D | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-E | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-F | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-G | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-H | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-I | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-J | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-K | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-L | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |

| **Safety Observation/Suggestion:** | No PID recordings due to no activities onsite. |
|---|---|

At the end of the day:

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# PID & GC Readings

| Date: 02/04/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

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

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

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

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-2 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-4 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-5 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-A | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-B | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-C | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-D | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-E | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-F | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-G | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-H | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-I | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-J | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-K | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-L | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |

| **Safety Observation/Suggestion:** | No PID recordings due to no activities onsite. |
|---|---|

At the end of the day:

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|---|---|
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| Bump Test Concentration (ppm) | NA |

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|---|---|
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| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
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| SAM-1 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-2 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-4 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-5 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-A | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-B | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-C | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-D | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-E | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-F | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-G | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-H | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-I | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-J | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-K | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-L | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |

| **Safety Observation/Suggestion:** | No PID recordings due to no activities onsite. |
|---|---|

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|---|---|
| Tank Concentration (ppm) | NA |
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|---|---|
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| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
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| SAM-2 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-4 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-5 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-A | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-B | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-C | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-D | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-E | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-F | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-G | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-H | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-I | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-J | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-K | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-L | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |

| **Safety Observation/Suggestion:** | No PID recordings due to no activities onsite. |
|---|---|

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|---|---|
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| SAM-5 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-A | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-B | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
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| IMPL-F | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-G | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-H | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-I | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-J | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-K | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-L | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |

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|---|---|
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|---|---|
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| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
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| SAM-2 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-4 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-5 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-A | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-B | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-C | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-D | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-E | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-F | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-G | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-H | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-I | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-J | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-K | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-L | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |

| **Safety Observation/Suggestion:** | No PID recordings due to no activities onsite. |
|---|---|

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.

# PID & GC Readings

| Date: 02/04/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

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

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

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

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-2 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-4 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-5 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-A | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-B | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-C | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-D | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-E | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-F | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-G | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-H | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-I | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-J | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-K | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-L | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |

| **Safety Observation/Suggestion:** | No PID recordings due to no activities onsite. |
|---|---|

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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# PID & GC Readings

| Date: 02/04/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

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

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

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

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-2 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-4 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-5 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-A | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-B | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-C | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-D | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-E | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-F | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-G | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-H | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-I | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-J | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-K | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-L | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |

| **Safety Observation/Suggestion:** | No PID recordings due to no activities onsite. |
|---|---|

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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# PID & GC Readings

| Date: 02/04/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

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

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

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

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-2 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-4 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-5 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-A | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-B | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-C | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-D | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-E | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-F | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-G | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-H | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-I | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-J | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-K | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-L | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |

| **Safety Observation/Suggestion:** | No PID recordings due to no activities onsite. |
|---|---|

At the end of the day:

1. Document site visit in site log
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# PID & GC Readings

| Date: 02/04/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

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

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

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

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-2 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-4 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| SAM-5 | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-A | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-B | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-C | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-D | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-E | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-F | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-G | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-H | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-I | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-J | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-K | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |
| IMPL-L | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded | Not Recorded |

| **Safety Observation/Suggestion:** | No PID recordings due to no activities onsite. |
|---|---|

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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# PID & GC Readings

| Date: 02/07/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 737 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 732 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 749 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 742 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 730 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 733 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 734 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 735 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 739 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 741 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 743 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 744 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 745 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 747 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 750 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 751 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/07/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 807 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 802 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 821 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 814 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 800 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 803 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 804 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 809 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 811 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 815 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 816 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 817 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 819 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 822 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 823 | 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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# PID & GC Readings

| Date: 02/07/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 907 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 902 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 918 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 911 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 900 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 903 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 904 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 905 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 908 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 909 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 912 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 913 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 914 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 916 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 919 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 920 | 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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# PID & GC Readings

| Date: 02/07/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1007 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1002 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1019 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1012 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1000 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1003 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1004 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1005 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1009 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1011 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1013 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1014 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1015 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1017 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1020 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1021 | 0.0 | Y | Oily odor | 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

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# PID & GC Readings

| Date: 02/07/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1107 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1102 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1119 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1112 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1100 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1103 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1104 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1105 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1109 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1111 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1113 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1114 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1115 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1117 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1120 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1121 | 0.0 | Y | Oily odor dissipated | 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.

# PID & GC Readings

| Date: 02/07/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1208 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1202 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1220 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1213 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1200 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1203 | 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 |
| IMPL-E | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1212 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1214 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1215 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1216 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1218 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1221 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1222 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/07/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 | N | NA | NA | NA | NA |
| SAM-2 | 1302 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1319 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1312 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1300 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1305 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1306 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1309 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1313 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1314 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1315 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1317 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1320 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1321 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/07/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1409 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1418 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1412 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1400 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1404 | 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 | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1413 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1414 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1415 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1416 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1419 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1420 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/07/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1512 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1502 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1524 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1517 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1500 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1504 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1514 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1516 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1518 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1519 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1520 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1522 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1525 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1526 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/07/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1612 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1602 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1624 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1617 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1600 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1604 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1608 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1610 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1614 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1616 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1618 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1619 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1620 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1622 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1625 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1626 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/08/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 737 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 732 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 749 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 742 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 730 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 733 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 734 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 735 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 739 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 741 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 743 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 744 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 745 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 747 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 750 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 751 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

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

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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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 807 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 802 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 821 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 814 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 800 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 803 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 804 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 809 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 811 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 815 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 816 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 817 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 819 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 822 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 823 | 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 907 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 902 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 918 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 911 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 900 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 903 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 904 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 905 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 908 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 909 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 912 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 913 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 914 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 916 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 919 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 920 | 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1007 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1002 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1019 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1012 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1000 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1003 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1004 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1005 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1009 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1011 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1013 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1014 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1015 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1017 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1020 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-L | 1021 | 0.1 | Y | Strong oily odor | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/08/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1107 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1102 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1119 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1112 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1100 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1103 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1104 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1105 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1109 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1111 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1113 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1114 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1115 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1117 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1120 | 0.1 | N | Strong oily Odor | NA | NA | NA |
| IMPL-L | 1121 | 0.1 | Y | Strong oily Odor | 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.

# PID & GC Readings

| Date: 02/08/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1208 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1202 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1220 | 0.1 | Y | Oily Odor | NA | NA | NA |
| SAM-5 | 1213 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1200 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1203 | 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 |
| IMPL-E | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1212 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1214 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1215 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1216 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1218 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1221 | 0.1 | Y | Oily Odor | NA | NA | NA |
| IMPL-L | 1222 | 0.1 | Y | Strong Oily Odor | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/08/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 | N | NA | NA | NA | NA |
| SAM-2 | 1302 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1319 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1312 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1300 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1305 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1306 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1309 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1313 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1314 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1315 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1317 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1320 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1321 | 0.1 | Y | Strong oily odor | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/08/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1409 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1418 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1412 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1400 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1404 | 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 | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1413 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1414 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1415 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1416 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1419 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1420 | 0.2 | Y | Strong oily odor | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/08/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1512 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1502 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1524 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1517 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1500 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1504 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1514 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1516 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1518 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1519 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1520 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1522 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1525 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1526 | 0.2 | Y | Strong oily odor | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/08/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1612 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1602 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1624 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1617 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1600 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1604 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1608 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1610 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1614 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1616 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1618 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1619 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1620 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1622 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1625 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1626 | 0.2 | Y | Strong oily odor | 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 737 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 732 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 749 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 742 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 730 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-B | 733 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 734 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 735 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 739 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 741 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 743 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 744 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 745 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 747 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 750 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 751 | 0.0 | Y | Oily odor | NA | NA | NA |

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

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# PID & GC Readings

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

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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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 807 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 802 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 821 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 814 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 800 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-B | 803 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 804 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 809 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 811 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 815 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 816 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 817 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 819 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 822 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 823 | 0.0 | Y | Oily odor | 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 |

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

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 907 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 902 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 918 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 911 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 900 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-B | 903 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 904 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 905 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 908 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 909 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 912 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 913 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 914 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 916 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 919 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 920 | 0.0 | Y | Oily odor | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/09/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

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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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1007 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1002 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1019 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1012 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1000 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-B | 1003 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1004 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1005 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1009 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1011 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1013 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1014 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1015 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1017 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1020 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-L | 1021 | 0.1 | Y | Strong oily odor | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/09/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1107 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1102 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1119 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1112 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1100 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-B | 1103 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1104 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1105 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1109 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1111 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1113 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1114 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1115 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1117 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1120 | 0.1 | Y | Strong oily Odor | NA | NA | NA |
| IMPL-L | 1121 | 0.1 | Y | Strong oily 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.

# PID & GC Readings

| Date: 02/09/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1208 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1202 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1220 | 0.1 | N | NA | NA | NA | NA |
| SAM-5 | 1213 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1200 | 0.0 | Y | Oily Odor | NA | NA | NA |
| IMPL-B | 1203 | 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 |
| IMPL-E | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1212 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1214 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1215 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1216 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1218 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1221 | 0.1 | Y | Oily Odor | NA | NA | NA |
| IMPL-L | 1222 | 0.1 | Y | Strong Oily Odor | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/09/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 | N | NA | NA | NA | NA |
| SAM-2 | 1302 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1319 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1312 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1300 | 0.0 | Y | Strong oily odor | NA | NA | NA |
| IMPL-B | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1305 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1306 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1309 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1313 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1314 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1315 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1317 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1320 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1321 | 0.1 | Y | Strong oily odor | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/09/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1409 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1418 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1412 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1400 | 0.0 | Y | Strong oily odor | NA | NA | NA |
| IMPL-B | 1404 | 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 | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1413 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1414 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1415 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1416 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1419 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-L | 1420 | 0.1 | Y | Strong oily odor | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/09/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1512 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1502 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1524 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1517 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1500 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-B | 1504 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1514 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1516 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1518 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1519 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1520 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1522 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1525 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-L | 1526 | 0.1 | Y | Strong oily odor | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/09/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1612 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1602 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1624 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1617 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1600 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-B | 1604 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1608 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1610 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1614 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1616 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1618 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1619 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1620 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1622 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1625 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-L | 1626 | 0.0 | Y | Strong oily odor | NA | NA | NA |

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

At the end of the day:

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# PID & GC Readings

| Date: 02/10/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1612 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1602 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1624 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1617 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1600 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1604 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1608 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1610 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1614 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1616 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1618 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1619 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1620 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1622 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1625 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1626 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/11/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 737 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 732 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 749 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 742 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 730 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 733 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 734 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 735 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 739 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 741 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 743 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 744 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 745 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 747 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 750 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 751 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/11/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 807 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 802 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 821 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 814 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 800 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 803 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 804 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 809 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 811 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 815 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 816 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 817 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 819 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 822 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 823 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | PID began to malfuction with the serial number: 592-908102. Switched to secondary PID with SN: 592-927132 |
|---|---|

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# PID & GC Readings

| Date: 02/11/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 942 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 937 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 953 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 946 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 935 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 938 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 939 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 940 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 943 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 944 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 947 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 948 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 949 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 951 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 954 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 955 | 0.0 | Y | Light oily 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.

# PID & GC Readings

| Date: 02/11/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1007 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1002 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1019 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1012 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1000 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1003 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1004 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1005 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1009 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1011 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1013 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1014 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1015 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1017 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1020 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1021 | 0.0 | Y | Light oily odor | NA | NA | NA |

| **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.

# PID & GC Readings

| Date: 02/11/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1007 | 0.1 | Y | Truck exhaust | NA | NA | NA |
| SAM-2 | 1002 | 0.1 | Y | Light oil odor | NA | NA | NA |
| SAM-4 | 1019 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1012 | 0.1 | Y | Truck exhaust | NA | NA | NA |
| IMPL-A | 1000 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-B | 1003 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-C | 1004 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-D | 1005 | 0.1 | Y | Truck exhaust | NA | NA | NA |
| IMPL-E | 1009 | 0.1 | Y | Truck exhaust | NA | NA | NA |
| IMPL-F | 1011 | 0.1 | Y | Truck exhaust | NA | NA | NA |
| IMPL-G | 1013 | 0.1 | Y | Truck exhaust | NA | NA | NA |
| IMPL-H | 1014 | 0.1 | Y | Truck exhaust | NA | NA | NA |
| IMPL-I | 1015 | 0.1 | Y | Truck exhaust | NA | NA | NA |
| IMPL-J | 1017 | 0.1 | Y | Truck exhaust | NA | NA | NA |
| IMPL-K | 1020 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-L | 1021 | 0.1 | Y | Mild Oil odor | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/11/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1208 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1202 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1220 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1213 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1200 | 0.0 | N | Light oily odor | NA | NA | NA |
| IMPL-B | 1203 | 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 |
| IMPL-E | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1212 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1214 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1215 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1216 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1218 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1221 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1222 | 0.0 | Y | Light oily odor | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/11/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 | N | NA | NA | NA | NA |
| SAM-2 | 1302 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1319 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1312 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1300 | 0.1 | Y | Light oily odor | NA | NA | NA |
| IMPL-B | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1305 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1306 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1309 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1313 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1314 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1315 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1317 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1320 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1321 | 0.1 | Y | Light oily odor | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/11/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1409 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1418 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1412 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1400 | 0.0 | Y | Light oily odor | NA | NA | NA |
| IMPL-B | 1404 | 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 | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1413 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1414 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1415 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1416 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1419 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1420 | 0.0 | Y | Light oily odor | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/11/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1512 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1502 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1524 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1517 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1500 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1504 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1514 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1516 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1518 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1519 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1520 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1522 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1525 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1526 | 0.0 | Y | Light oily odor | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/11/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1612 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1602 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1624 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1617 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1600 | 0.0 | Y | Light dead fish odor | NA | NA | NA |
| IMPL-B | 1604 | 0.0 | Y | Light dead fish odor | NA | NA | NA |
| IMPL-C | 1608 | 0.0 | Y | Light dead fish odor | NA | NA | NA |
| IMPL-D | 1610 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1614 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1616 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1618 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1619 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1620 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1622 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1625 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1626 | 0.0 | Y | Light oily odor | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/14/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 737 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 732 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 749 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 742 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 730 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 733 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 734 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 735 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 739 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 741 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 743 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 744 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 745 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 747 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 750 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 751 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/14/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 807 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 802 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 821 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 814 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 800 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 803 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 804 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 809 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 811 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 815 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 816 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 817 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 819 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 822 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 823 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | PID began to malfuction with the serial number: 592-908102. Switched to secondary PID with SN: 592-927132 |
|---|---|

At the end of the day:

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

# PID & GC Readings

| Date: 02/14/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 942 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 937 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 953 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 946 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 935 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 938 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 939 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 940 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 943 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 944 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 947 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 948 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 949 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 951 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 954 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 955 | 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.

# PID & GC Readings

| Date: 02/14/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1007 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1002 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1019 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1012 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1000 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1003 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1004 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1005 | 0.0 | Y | Truck exhaust | NA | NA | NA |
| IMPL-E | 1009 | 0.0 | Y | Truck exhaust | NA | NA | NA |
| IMPL-F | 1011 | 0.0 | Y | Truck exhaust | NA | NA | NA |
| IMPL-G | 1013 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1014 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1015 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1017 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1020 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1021 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/14/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1107 | 0.1 | N | NA | NA | NA | NA |
| SAM-2 | 1102 | 0.1 | N | NA | NA | NA | NA |
| SAM-4 | 1119 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1112 | 0.1 | N | NA | NA | NA | NA |
| IMPL-A | 1100 | 0.1 | N | NA | NA | NA | NA |
| IMPL-B | 1103 | 0.1 | N | NA | NA | NA | NA |
| IMPL-C | 1104 | 0.1 | N | NA | NA | NA | NA |
| IMPL-D | 1105 | 0.1 | N | NA | NA | NA | NA |
| IMPL-E | 1109 | 0.1 | N | NA | NA | NA | NA |
| IMPL-F | 1111 | 0.1 | N | NA | NA | NA | NA |
| IMPL-G | 1113 | 0.1 | N | NA | NA | NA | NA |
| IMPL-H | 1114 | 0.1 | N | NA | NA | NA | NA |
| IMPL-I | 1115 | 0.1 | N | NA | NA | NA | NA |
| IMPL-J | 1117 | 0.1 | N | NA | NA | NA | NA |
| IMPL-K | 1120 | 0.1 | N | NA | NA | NA | NA |
| IMPL-L | 1121 | 0.1 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/14/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1208 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1202 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1220 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1213 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1200 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1203 | 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 |
| IMPL-E | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1212 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1214 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1215 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1216 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1218 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1221 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1222 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/14/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 | N | NA | NA | NA | NA |
| SAM-2 | 1302 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1319 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1312 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1300 | 0.1 | N | NA | NA | NA | NA |
| IMPL-B | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1305 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1306 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1309 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1313 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1314 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1315 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1317 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1320 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1321 | 0.1 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/14/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1409 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1418 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1412 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1400 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1404 | 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 | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1413 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1414 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1415 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1416 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1419 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1420 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/14/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1512 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1502 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1524 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1517 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1500 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1504 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1514 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1516 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1518 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1519 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1520 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1522 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1525 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1526 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/14/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1612 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1602 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1624 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1617 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1600 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1604 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1608 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1610 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1614 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1616 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1618 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1619 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1620 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1622 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1625 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1626 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/15/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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) | 10 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 737 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 732 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 749 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 742 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 730 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 733 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 734 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 735 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 739 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 741 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 743 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 744 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 745 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 747 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 750 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 751 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/15/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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) | 10 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 807 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 802 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 821 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 814 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 800 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 803 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 804 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 809 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 811 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 815 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 816 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 817 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 819 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 822 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 823 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | PID began to malfuction with the serial number: 592-908102. Switched to secondary PID with SN: 592-927132 |
|---|---|

At the end of the day:

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# PID & GC Readings

| Date: 02/15/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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) | 10 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 942 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 937 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 953 | 0.0 | Y | Light oily odor | NA | NA | NA |
| SAM-5 | 946 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 935 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 938 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 939 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 940 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 943 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 944 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 947 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 948 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 949 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 951 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 954 | 0.0 | Y | Light oily odor | NA | NA | NA |
| IMPL-L | 955 | 0.0 | Y | Light oily 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.

# PID & GC Readings

| Date: 02/15/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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) | 10 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1007 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1002 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1019 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1012 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1000 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1003 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1004 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1005 | 0.0 | Y | Truck exhaust | NA | NA | NA |
| IMPL-E | 1009 | 0.0 | Y | Truck exhaust | NA | NA | NA |
| IMPL-F | 1011 | 0.0 | Y | Truck exhaust | NA | NA | NA |
| IMPL-G | 1013 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1014 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1015 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1017 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1020 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-L | 1021 | 0.1 | Y | Oily odor | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/15/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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) | 10 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1107 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1102 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1119 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1112 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1100 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1103 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1104 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1105 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1109 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1111 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1113 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1114 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1115 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1117 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1120 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1121 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/15/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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) | 10 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1208 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1202 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1220 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1213 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1200 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1203 | 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 |
| IMPL-E | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1212 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1214 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1215 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1216 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1218 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1221 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-L | 1222 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/15/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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) | 10 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (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 | N | NA | 0.0 | 0.0 | NA |
| SAM-2 | 1302 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| SAM-4 | 1319 | 0.0 | Y | Oily odor | 0.0 | NA | Oily odor |
| SAM-5 | 1312 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| IMPL-A | 1300 | 0.1 | N | NA | 0.0 | 0.0 | NA |
| IMPL-B | 1304 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| IMPL-C | 1305 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| IMPL-D | 1306 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| IMPL-E | 1309 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| IMPL-F | 1311 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| IMPL-G | 1313 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| IMPL-H | 1314 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| IMPL-I | 1315 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| IMPL-J | 1317 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| IMPL-K | 1320 | 0.1 | Y | Oily odor | 0.0 | NA | Oily odor |
| IMPL-L | 1321 | 0.0 | Y | Oily odor | 0.0 | NA | Oily odor |

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

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# PID & GC Readings

| Date: 02/15/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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) | 10 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1417 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| SAM-2 | 1407 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| SAM-4 | 1430 | 0.0 | N | NA | 0.0 | NA | NA |
| SAM-5 | 1423 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| IMPL-A | 1404 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| IMPL-B | 1409 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| IMPL-C | 1411 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| IMPL-D | 1413 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| IMPL-E | 1415 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| IMPL-F | 1418 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| IMPL-G | 1421 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| IMPL-H | 1424 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| IMPL-I | 1426 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| IMPL-J | 1428 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| IMPL-K | 1432 | 0.1 | Y | Oily odor | 0.0 | NA | Oily odor |
| IMPL-L | 1402 | 0.0 | N | NA | 0.0 | NA | Oily odor |

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

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# PID & GC Readings

| Date: 02/15/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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) | 10 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1542 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| SAM-2 | 1532 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| SAM-4 | 1554 | 0.0 | Y | Light oily odor | 0.0 | NA | NA |
| SAM-5 | 1547 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| IMPL-A | 1530 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| IMPL-B | 1534 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| IMPL-C | 1538 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| IMPL-D | 1540 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| IMPL-E | 1544 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| IMPL-F | 1546 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| IMPL-G | 1548 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| IMPL-H | 1549 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| IMPL-I | 1550 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| IMPL-J | 1552 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| IMPL-K | 1555 | 0.2 | Y | Oily odor | 0.0 | NA | Oily odor |
| IMPL-L | 1556 | 0.0 | N | NA | 0.0 | NA | Oily odor |

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

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# PID & GC Readings

| Date: 02/15/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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) | 10 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1612 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| SAM-2 | 1602 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| SAM-4 | 1624 | 0.0 | N | NA | 0.0 | NA | NA |
| SAM-5 | 1617 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| IMPL-A | 1600 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| IMPL-B | 1604 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| IMPL-C | 1608 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| IMPL-D | 1610 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| IMPL-E | 1614 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| IMPL-F | 1616 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| IMPL-G | 1618 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| IMPL-H | 1619 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| IMPL-I | 1620 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| IMPL-J | 1622 | 0.0 | N | NA | 0.0 | 0.0 | NA |
| IMPL-K | 1625 | 0.2 | Y | Oily odor due to excavated material | 0.0 | NA | Oily odor |
| IMPL-L | 1626 | 0.0 | N | NA | 0.0 | NA | Oily odor |

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

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# PID & GC Readings

| Date: 02/16/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 737 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 732 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 749 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 742 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 730 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 733 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 734 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 735 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 739 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 741 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 743 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 744 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 745 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 747 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 750 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 751 | 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.

# PID & GC Readings

| Date: 02/16/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 807 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 802 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 821 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 814 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 800 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 803 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 804 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 809 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 811 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 815 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 816 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 817 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 819 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 822 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 823 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | PID began to malfuction with the serial number: 592-908102. Switched to secondary PID with SN: 592-927132 |
|---|---|

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.

# PID & GC Readings

| Date: 02/16/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 942 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 937 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 953 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 946 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 935 | 0.1 | Y | Light oily exhaust odor | NA | NA | NA |
| IMPL-B | 938 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 939 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 940 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 943 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 944 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 947 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 948 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 949 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 951 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 954 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 955 | 0.1 | Y | Light oily odor | 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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# PID & GC Readings

| Date: 02/16/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1012 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1007 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1024 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1017 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1005 | 0.1 | N | Oily odor/Truck exhaust | NA | NA | NA |
| IMPL-B | 1008 | 0.1 | N | Truck exhaust | NA | NA | NA |
| IMPL-C | 1009 | 0.1 | N | Truck exhaust | NA | NA | NA |
| IMPL-D | 1010 | 0.1 | Y | Truck exhaust | NA | NA | NA |
| IMPL-E | 1014 | 0.1 | Y | Truck exhaust | NA | NA | NA |
| IMPL-F | 1016 | 0.1 | Y | Truck exhaust | NA | NA | NA |
| IMPL-G | 1018 | 0.1 | N | NA | NA | NA | NA |
| IMPL-H | 1019 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1020 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1022 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1025 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-L | 1026 | 0.1 | Y | Oily odor | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/16/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1107 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1102 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1119 | 0.1 | Y | Slight truck exhaust | NA | NA | NA |
| SAM-5 | 1112 | 0.0 | Y | NA | NA | NA | NA |
| IMPL-A | 1100 | 0.1 | Y | Slight oily odor | NA | NA | NA |
| IMPL-B | 1103 | 0.1 | Y | NA | NA | NA | NA |
| IMPL-C | 1104 | 0.1 | Y | Slight truck exhaust | NA | NA | NA |
| IMPL-D | 1105 | 0.1 | Y | Slight truck exhaust | NA | NA | NA |
| IMPL-E | 1109 | 0.1 | Y | Slight truck exhaust | NA | NA | NA |
| IMPL-F | 1111 | 0.1 | Y | Slight truck exhaust | NA | NA | NA |
| IMPL-G | 1113 | 0.1 | Y | Slight truck exhaust | NA | NA | NA |
| IMPL-H | 1114 | 0.1 | Y | Slight truck exhaust | NA | NA | NA |
| IMPL-I | 1115 | 0.1 | Y | Slight truck exhaust | NA | NA | NA |
| IMPL-J | 1117 | 0.1 | Y | Slight truck exhaust | NA | NA | NA |
| IMPL-K | 1120 | 0.1 | Y | Truck exhaust/oily odor | NA | NA | NA |
| IMPL-L | 1121 | 0.1 | Y | Light oily odor | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/16/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1208 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1202 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1220 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1213 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1200 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1203 | 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 |
| IMPL-E | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1212 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1214 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1215 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1216 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1218 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1221 | 0.1 | N | NA | NA | NA | NA |
| IMPL-L | 1222 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/16/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 | N | NA | NA | NA | NA |
| SAM-2 | 1302 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1319 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1312 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1300 | 0.1 | N | NA | NA | NA | NA |
| IMPL-B | 1304 | 0.0 | Y | Dead fish odor | NA | NA | NA |
| IMPL-C | 1305 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1306 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1309 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1313 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1314 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1315 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1317 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1320 | 0.1 | N | NA | NA | NA | NA |
| IMPL-L | 1321 | 0.0 | Y | Light oily odor | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/16/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1417 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1407 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1430 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1423 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1404 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1409 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1413 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1415 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1418 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1421 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1424 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1426 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1428 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1432 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-L | 1402 | 0.0 | Y | Oily odor | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/16/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1542 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1532 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1554 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1547 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1530 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1534 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1538 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1540 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1544 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1546 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1548 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1549 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1550 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1552 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1555 | 0.0 | Y | Light oily odor | NA | NA | NA |
| IMPL-L | 1556 | 0.1 | Y | Oily odor | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/16/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1612 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1602 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1624 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1617 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1600 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1604 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1608 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1610 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1614 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1616 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1618 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1619 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1620 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1622 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1625 | 0.1 | Y | Oily Odor | NA | NA | NA |
| IMPL-L | 1626 | 0.1 | Y | Oily Odor | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/17/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 737 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 732 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 749 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 742 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 730 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 733 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 734 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 735 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 739 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 741 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 743 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 744 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 745 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 747 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 750 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 751 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/17/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 807 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 802 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 821 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 814 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 800 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 803 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 804 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 809 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 811 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 815 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 816 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 817 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 819 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 822 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 823 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | PID began to malfuction with the serial number: 592-908102. Switched to secondary PID with SN: 592-927132 |
|---|---|

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.

# PID & GC Readings

| Date: 02/17/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 942 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 937 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 953 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 946 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 935 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 938 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 939 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 940 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 943 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 944 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 947 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 948 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 949 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 951 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 954 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 955 | 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.

# PID & GC Readings

| Date: 02/17/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1012 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1007 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1024 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1017 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1005 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1008 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1009 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1010 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1014 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1016 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1018 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1019 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1020 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1022 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1025 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1026 | 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.

# PID & GC Readings

| Date: 02/17/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1107 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1102 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1119 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1112 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1100 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1103 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1104 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1105 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1109 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1111 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1113 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1114 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1115 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1117 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1120 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1121 | 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.

# PID & GC Readings

| Date: 02/17/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1208 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1202 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1220 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1213 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1200 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1203 | 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 |
| IMPL-E | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1212 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1214 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1215 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1216 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1218 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1221 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1222 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | The hail is pinging and stinging; cover up accordingly |
|---|---|

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.

# PID & GC Readings

| Date: 02/17/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 | N | NA | NA | NA | NA |
| SAM-2 | 1302 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1319 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1312 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1300 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1305 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1306 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1309 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1313 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1314 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1315 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1317 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1320 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1321 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | Snow melts on contact lowering bodily temperature quickly. Wear appropriate PPE for site and warmth |
|---|---|

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.

# PID & GC Readings

| Date: 02/17/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1438 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1432 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1449 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1442 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1430 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1434 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1435 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1436 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1439 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1441 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1443 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1444 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1445 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1447 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1450 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1451 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | Snow is very dense. Watch footing around cordage and in general. |
|---|---|

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.

# PID & GC Readings

| Date: 02/17/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1542 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1532 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1554 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1547 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1530 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1534 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1538 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1540 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1544 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1546 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1548 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1549 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1550 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1552 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1555 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1556 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | Snow and strong wind make visibility more difficult. Keep vigilance. |
|---|---|

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.

# PID & GC Readings

| Date: 02/17/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | NA | NA | NA | NA | NA | NA | NA |
| SAM-2 | NA | NA | NA | NA | NA | NA | NA |
| SAM-4 | NA | NA | NA | NA | NA | NA | NA |
| SAM-5 | NA | NA | NA | NA | NA | NA | NA |
| IMPL-A | NA | NA | NA | NA | NA | NA | NA |
| IMPL-B | NA | NA | NA | NA | NA | NA | NA |
| IMPL-C | NA | NA | NA | NA | NA | NA | NA |
| IMPL-D | NA | NA | NA | NA | NA | NA | NA |
| IMPL-E | NA | NA | NA | NA | NA | NA | NA |
| IMPL-F | NA | NA | NA | NA | NA | NA | NA |
| IMPL-G | NA | NA | NA | NA | NA | NA | NA |
| IMPL-H | NA | NA | NA | NA | NA | NA | NA |
| IMPL-I | NA | NA | NA | NA | NA | NA | NA |
| IMPL-J | NA | NA | NA | NA | NA | NA | NA |
| IMPL-K | NA | NA | NA | NA | NA | NA | NA |
| IMPL-L | NA | NA | NA | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | End of Day; no readings |
|---|---|

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.

# PID & GC Readings

| Date: 02/18/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

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

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

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

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | NA | NA | NA | NA | NA | NA | NA |
| SAM-2 | NA | NA | NA | NA | NA | NA | NA |
| SAM-4 | NA | NA | NA | NA | NA | NA | NA |
| SAM-5 | NA | NA | NA | NA | NA | NA | NA |
| IMPL-A | NA | NA | NA | NA | NA | NA | NA |
| IMPL-B | NA | NA | NA | NA | NA | NA | NA |
| IMPL-C | NA | NA | NA | NA | NA | NA | NA |
| IMPL-D | NA | NA | NA | NA | NA | NA | NA |
| IMPL-E | NA | NA | NA | NA | NA | NA | NA |
| IMPL-F | NA | NA | NA | NA | NA | NA | NA |
| IMPL-G | NA | NA | NA | NA | NA | NA | NA |
| IMPL-H | NA | NA | NA | NA | NA | NA | NA |
| IMPL-I | NA | NA | NA | NA | NA | NA | NA |
| IMPL-J | NA | NA | NA | NA | NA | NA | NA |
| IMPL-K | NA | NA | NA | NA | NA | NA | NA |
| IMPL-L | NA | NA | NA | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | No PID calibration or readings: No onsite activiites. VOC Sample Collection; Wastewater sample shipping via courier. |
|---|---|

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.

# PID & GC Readings

| Date: 02/18/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

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

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

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

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | NA | NA | NA | NA | NA | NA | NA |
| SAM-2 | NA | NA | NA | NA | NA | NA | NA |
| SAM-4 | NA | NA | NA | NA | NA | NA | NA |
| SAM-5 | NA | NA | NA | NA | NA | NA | NA |
| IMPL-A | NA | NA | NA | NA | NA | NA | NA |
| IMPL-B | NA | NA | NA | NA | NA | NA | NA |
| IMPL-C | NA | NA | NA | NA | NA | NA | NA |
| IMPL-D | NA | NA | NA | NA | NA | NA | NA |
| IMPL-E | NA | NA | NA | NA | NA | NA | NA |
| IMPL-F | NA | NA | NA | NA | NA | NA | NA |
| IMPL-G | NA | NA | NA | NA | NA | NA | NA |
| IMPL-H | NA | NA | NA | NA | NA | NA | NA |
| IMPL-I | NA | NA | NA | NA | NA | NA | NA |
| IMPL-J | NA | NA | NA | NA | NA | NA | NA |
| IMPL-K | NA | NA | NA | NA | NA | NA | NA |
| IMPL-L | NA | NA | NA | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | PID began to malfuction with the serial number: 592-908102. Switched to secondary PID with SN: 592-927132 |
|---|---|

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.

# PID & GC Readings

| Date: 02/18/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

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

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

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

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | NA | NA | NA | NA | NA | NA | NA |
| SAM-2 | NA | NA | NA | NA | NA | NA | NA |
| SAM-4 | NA | NA | NA | NA | NA | NA | NA |
| SAM-5 | NA | NA | NA | NA | NA | NA | NA |
| IMPL-A | NA | NA | NA | NA | NA | NA | NA |
| IMPL-B | NA | NA | NA | NA | NA | NA | NA |
| IMPL-C | NA | NA | NA | NA | NA | NA | NA |
| IMPL-D | NA | NA | NA | NA | NA | NA | NA |
| IMPL-E | NA | NA | NA | NA | NA | NA | NA |
| IMPL-F | NA | NA | NA | NA | NA | NA | NA |
| IMPL-G | NA | NA | NA | NA | NA | NA | NA |
| IMPL-H | NA | NA | NA | NA | NA | NA | NA |
| IMPL-I | NA | NA | NA | NA | NA | NA | NA |
| IMPL-J | NA | NA | NA | NA | NA | NA | NA |
| IMPL-K | NA | NA | NA | NA | NA | NA | NA |
| IMPL-L | NA | NA | NA | 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.

# PID & GC Readings

| Date: 02/18/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

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

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

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

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | NA | NA | NA | NA | NA | NA | NA |
| SAM-2 | NA | NA | NA | NA | NA | NA | NA |
| SAM-4 | NA | NA | NA | NA | NA | NA | NA |
| SAM-5 | NA | NA | NA | NA | NA | NA | NA |
| IMPL-A | NA | NA | NA | NA | NA | NA | NA |
| IMPL-B | NA | NA | NA | NA | NA | NA | NA |
| IMPL-C | NA | NA | NA | NA | NA | NA | NA |
| IMPL-D | NA | NA | NA | NA | NA | NA | NA |
| IMPL-E | NA | NA | NA | NA | NA | NA | NA |
| IMPL-F | NA | NA | NA | NA | NA | NA | NA |
| IMPL-G | NA | NA | NA | NA | NA | NA | NA |
| IMPL-H | NA | NA | NA | NA | NA | NA | NA |
| IMPL-I | NA | NA | NA | NA | NA | NA | NA |
| IMPL-J | NA | NA | NA | NA | NA | NA | NA |
| IMPL-K | NA | NA | NA | NA | NA | NA | NA |
| IMPL-L | NA | NA | NA | 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.

# PID & GC Readings

| Date: 02/18/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

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

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

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

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | NA | NA | NA | NA | NA | NA | NA |
| SAM-2 | NA | NA | NA | NA | NA | NA | NA |
| SAM-4 | NA | NA | NA | NA | NA | NA | NA |
| SAM-5 | NA | NA | NA | NA | NA | NA | NA |
| IMPL-A | NA | NA | NA | NA | NA | NA | NA |
| IMPL-B | NA | NA | NA | NA | NA | NA | NA |
| IMPL-C | NA | NA | NA | NA | NA | NA | NA |
| IMPL-D | NA | NA | NA | NA | NA | NA | NA |
| IMPL-E | NA | NA | NA | NA | NA | NA | NA |
| IMPL-F | NA | NA | NA | NA | NA | NA | NA |
| IMPL-G | NA | NA | NA | NA | NA | NA | NA |
| IMPL-H | NA | NA | NA | NA | NA | NA | NA |
| IMPL-I | NA | NA | NA | NA | NA | NA | NA |
| IMPL-J | NA | NA | NA | NA | NA | NA | NA |
| IMPL-K | NA | NA | NA | NA | NA | NA | NA |
| IMPL-L | NA | NA | NA | 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.

# PID & GC Readings

| Date: 02/18/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

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

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

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

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | NA | NA | NA | NA | NA | NA | NA |
| SAM-2 | NA | NA | NA | NA | NA | NA | NA |
| SAM-4 | NA | NA | NA | NA | NA | NA | NA |
| SAM-5 | NA | NA | NA | NA | NA | NA | NA |
| IMPL-A | NA | NA | NA | NA | NA | NA | NA |
| IMPL-B | NA | NA | NA | NA | NA | NA | NA |
| IMPL-C | NA | NA | NA | NA | NA | NA | NA |
| IMPL-D | NA | NA | NA | NA | NA | NA | NA |
| IMPL-E | NA | NA | NA | NA | NA | NA | NA |
| IMPL-F | NA | NA | NA | NA | NA | NA | NA |
| IMPL-G | NA | NA | NA | NA | NA | NA | NA |
| IMPL-H | NA | NA | NA | NA | NA | NA | NA |
| IMPL-I | NA | NA | NA | NA | NA | NA | NA |
| IMPL-J | NA | NA | NA | NA | NA | NA | NA |
| IMPL-K | NA | NA | NA | NA | NA | NA | NA |
| IMPL-L | NA | NA | NA | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | The hail is pinging and stinging; cover up accordingly |
|---|---|

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.

# PID & GC Readings

| Date: 02/18/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

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

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

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

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | NA | NA | NA | NA | NA | NA | NA |
| SAM-2 | NA | NA | NA | NA | NA | NA | NA |
| SAM-4 | NA | NA | NA | NA | NA | NA | NA |
| SAM-5 | NA | NA | NA | NA | NA | NA | NA |
| IMPL-A | NA | NA | NA | NA | NA | NA | NA |
| IMPL-B | NA | NA | NA | NA | NA | NA | NA |
| IMPL-C | NA | NA | NA | NA | NA | NA | NA |
| IMPL-D | NA | NA | NA | NA | NA | NA | NA |
| IMPL-E | NA | NA | NA | NA | NA | NA | NA |
| IMPL-F | NA | NA | NA | NA | NA | NA | NA |
| IMPL-G | NA | NA | NA | NA | NA | NA | NA |
| IMPL-H | NA | NA | NA | NA | NA | NA | NA |
| IMPL-I | NA | NA | NA | NA | NA | NA | NA |
| IMPL-J | NA | NA | NA | NA | NA | NA | NA |
| IMPL-K | NA | NA | NA | NA | NA | NA | NA |
| IMPL-L | NA | NA | NA | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | Snow melts on contact lowering bodily temperature quickly. Wear appropriate PPE for site and warmth |
|---|---|

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.

# PID & GC Readings

| Date: 02/18/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

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

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

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

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | NA | NA | NA | NA | NA | NA | NA |
| SAM-2 | NA | NA | NA | NA | NA | NA | NA |
| SAM-4 | NA | NA | NA | NA | NA | NA | NA |
| SAM-5 | NA | NA | NA | NA | NA | NA | NA |
| IMPL-A | NA | NA | NA | NA | NA | NA | NA |
| IMPL-B | NA | NA | NA | NA | NA | NA | NA |
| IMPL-C | NA | NA | NA | NA | NA | NA | NA |
| IMPL-D | NA | NA | NA | NA | NA | NA | NA |
| IMPL-E | NA | NA | NA | NA | NA | NA | NA |
| IMPL-F | NA | NA | NA | NA | NA | NA | NA |
| IMPL-G | NA | NA | NA | NA | NA | NA | NA |
| IMPL-H | NA | NA | NA | NA | NA | NA | NA |
| IMPL-I | NA | NA | NA | NA | NA | NA | NA |
| IMPL-J | NA | NA | NA | NA | NA | NA | NA |
| IMPL-K | NA | NA | NA | NA | NA | NA | NA |
| IMPL-L | NA | NA | NA | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | Snow is very dense. Watch footing around cordage and in general. |
|---|---|

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.

# PID & GC Readings

| Date: 02/18/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

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

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

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

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | NA | NA | NA | NA | NA | NA | NA |
| SAM-2 | NA | NA | NA | NA | NA | NA | NA |
| SAM-4 | NA | NA | NA | NA | NA | NA | NA |
| SAM-5 | NA | NA | NA | NA | NA | NA | NA |
| IMPL-A | NA | NA | NA | NA | NA | NA | NA |
| IMPL-B | NA | NA | NA | NA | NA | NA | NA |
| IMPL-C | NA | NA | NA | NA | NA | NA | NA |
| IMPL-D | NA | NA | NA | NA | NA | NA | NA |
| IMPL-E | NA | NA | NA | NA | NA | NA | NA |
| IMPL-F | NA | NA | NA | NA | NA | NA | NA |
| IMPL-G | NA | NA | NA | NA | NA | NA | NA |
| IMPL-H | NA | NA | NA | NA | NA | NA | NA |
| IMPL-I | NA | NA | NA | NA | NA | NA | NA |
| IMPL-J | NA | NA | NA | NA | NA | NA | NA |
| IMPL-K | NA | NA | NA | NA | NA | NA | NA |
| IMPL-L | NA | NA | NA | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | Snow and strong wind make visibility more difficult. Keep vigilance. |
|---|---|

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.

# PID & GC Readings

| Date: 02/18/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

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

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

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

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | NA | NA | NA | NA | NA | NA | NA |
| SAM-2 | NA | NA | NA | NA | NA | NA | NA |
| SAM-4 | NA | NA | NA | NA | NA | NA | NA |
| SAM-5 | NA | NA | NA | NA | NA | NA | NA |
| IMPL-A | NA | NA | NA | NA | NA | NA | NA |
| IMPL-B | NA | NA | NA | NA | NA | NA | NA |
| IMPL-C | NA | NA | NA | NA | NA | NA | NA |
| IMPL-D | NA | NA | NA | NA | NA | NA | NA |
| IMPL-E | NA | NA | NA | NA | NA | NA | NA |
| IMPL-F | NA | NA | NA | NA | NA | NA | NA |
| IMPL-G | NA | NA | NA | NA | NA | NA | NA |
| IMPL-H | NA | NA | NA | NA | NA | NA | NA |
| IMPL-I | NA | NA | NA | NA | NA | NA | NA |
| IMPL-J | NA | NA | NA | NA | NA | NA | NA |
| IMPL-K | NA | NA | NA | NA | NA | NA | NA |
| IMPL-L | NA | NA | NA | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | End of Day; no readings |
|---|---|

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.

# PID & GC Readings

| Date: 02/21/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 742 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 732 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 754 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 747 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 730 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 734 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 738 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 740 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 744 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 746 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 748 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 749 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 750 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 752 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 755 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 756 | 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.

# PID & GC Readings

| Date: 02/21/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 812 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 802 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 824 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 817 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 800 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 804 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 808 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 810 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 814 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 816 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 818 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 819 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 820 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 822 | 0.0 | Y | oily odor | NA | NA | NA |
| IMPL-K | 825 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 826 | 0.0 | Y | oily 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

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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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 938 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 932 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 950 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 943 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 930 | 0.0 | Y | Dead fish odor | NA | NA | NA |
| IMPL-B | 933 | 0.0 | Y | Dead fish odor | NA | NA | NA |
| IMPL-C | 934 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 936 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 940 | 0.1 | Y | Exhaust odor | NA | NA | NA |
| IMPL-F | 942 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 944 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 945 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 946 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 948 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 951 | 0.1 | Y | Oily/exhaust odor | NA | NA | NA |
| IMPL-L | 952 | 0.0 | Y | Oily odor | 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 (CST) | Average VOC Concentration (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 | 1011 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1023 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1018 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1010 | 0.0 | Y | Dead fish odor | NA | NA | NA |
| IMPL-B | 1012 | 0.0 | Y | Dead fish odor | NA | NA | NA |
| IMPL-C | 1013 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1014 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1016 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1017 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1019 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1020 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1021 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1022 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1024 | 0.1 | Y | Oily/exhaust odor | NA | NA | NA |
| IMPL-L | 1025 | 0.0 | Y | Oily odor | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/21/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1107 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1102 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1117 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1110 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1100 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1103 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1104 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1105 | 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 | 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 | 1115 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1118 | 0.1 | Y | Oily/Vinegar odor | NA | NA | NA |
| IMPL-L | 1119 | 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 (CST) | Average VOC Concentration (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 |
| SAM-2 | 1151 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1207 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1202 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1150 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1152 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1153 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1155 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1200 | 0.1 | Y | Exhaust odor | NA | NA | NA |
| IMPL-F | 1201 | 0.1 | Y | Exhaust odor | NA | NA | NA |
| IMPL-G | 1203 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1204 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1205 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1206 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1208 | 0.0 | Y | Oily/exhaust odor | NA | NA | NA |
| IMPL-L | 1209 | 0.0 | Y | sliight oily odor | 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1302 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1257 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1316 | 0.0 | Y | Oly odor | NA | NA | NA |
| SAM-5 | 1307 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1255 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1258 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1259 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1300 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1306 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1309 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1312 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1318 | 0.1 | Y | Heavy exhaust odor/light oily odor | NA | NA | NA |
| IMPL-L | 1319 | 0.1 | Y | Oily odor | 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 |

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

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1408 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1418 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1412 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1400 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1403 | 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 |
| IMPL-E | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1413 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1414 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1415 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1416 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1419 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-L | 1420 | 0.1 | Y | Oily/heavy exhaust odor | 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 |

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

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 938 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 932 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 950 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 943 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 930 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 933 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 934 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 936 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 940 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 942 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 944 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 945 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 946 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 948 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 951 | 0.1 | Y | Medium to strong oily odor | NA | NA | NA |
| IMPL-L | 952 | 0.0 | Y | Light oily odor | 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1558 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1552 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1607 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1602 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1550 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1553 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1554 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1556 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1600 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1601 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1603 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1604 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1605 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1606 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1608 | 0.1 | Y | Strong oily odor | NA | NA | NA |
| IMPL-L | 1609 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/21/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 742 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 732 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 754 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 747 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 730 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 734 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 738 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 740 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 744 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 746 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 748 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 749 | 0.0 | Y | Light oily/exhaust odor | NA | NA | NA |
| IMPL-I | 750 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 752 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 755 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 756 | 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.

# PID & GC Readings

| Date: 02/21/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 812 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 802 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 824 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 817 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 800 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 804 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 808 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 810 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 814 | 0.0 | Y | Sweet pungent odor? | NA | NA | NA |
| IMPL-F | 816 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 818 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 819 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-I | 820 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-J | 822 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 825 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 826 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/21/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 938 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 932 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 950 | 0.1 | Y | Oily odor | NA | NA | NA |
| SAM-5 | 943 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 930 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 933 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 934 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 936 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 940 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 942 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 944 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 945 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 946 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 948 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 951 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-L | 952 | 0.0 | N | NA | NA | NA | NA |

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

At the end of the day:

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# PID & GC Readings

| Date: 02/21/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 | 1011 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1023 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1018 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1010 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1012 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1013 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1014 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1016 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1017 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1019 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1020 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1021 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1022 | 0.0 | Y | Sweet odor like oatmeal cookies? | NA | NA | NA |
| IMPL-K | 1024 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-L | 1025 | 0.0 | Y | Light oily odor | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/21/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1107 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1102 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1117 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1110 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1100 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1103 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1104 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1105 | 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 | 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 | 1115 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-K | 1118 | 0.1 | Y | Light oily odor | NA | NA | NA |
| IMPL-L | 1119 | 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 (CST) | Average VOC Concentration (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 |
| SAM-2 | 1201 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1212 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1207 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1200 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1202 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1203 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1205 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1205 | 0.1 | N | NA | NA | NA | NA |
| IMPL-F | 1206 | 0.1 | N | NA | NA | NA | NA |
| IMPL-G | 1208 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1209 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1211 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1213 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-L | 1214 | 0.1 | Y | Oily odor | 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 |

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

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (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 | N | NA | NA | NA | NA |
| SAM-2 | 1302 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1320 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1300 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1303 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1310 | 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 | 1316 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1322 | 0.0 | Y | Light oily odor | NA | NA | NA |
| IMPL-L | 1323 | 0.0 | Y | Light oily odor | 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 |

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

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1408 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1402 | 0.0 | Y | Oily odor | NA | NA | NA |
| SAM-4 | 1418 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1412 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1400 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-B | 1403 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-C | 1404 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-D | 1406 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-E | 1410 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-F | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1413 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1414 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1415 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1416 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1419 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1420 | 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 (CST) | Average VOC Concentration (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 |
| SAM-2 | 1502 | 0.0 | Y | Oily odor | NA | NA | NA |
| SAM-4 | 1520 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1513 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1500 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-B | 1503 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-C | 1504 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-D | 1506 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-E | 1510 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-F | 1512 | 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 | 1518 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1521 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1522 | 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 (CST) | Average VOC Concentration (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 |
| SAM-2 | 1602 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1613 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1608 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1600 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-B | 1603 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-C | 1604 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-D | 1606 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-E | 1606 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-F | 1607 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-G | 1609 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1610 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1611 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1612 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1614 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1615 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/23/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 742 | 0.1 | Y | Light oily/heavy exhaust odor | NA | NA | NA |
| SAM-2 | 732 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 754 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 747 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 730 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 734 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 738 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 740 | 0.1 | Y | Light oily/heavy exhaust odor | NA | NA | NA |
| IMPL-E | 744 | 0.1 | Y | Light oily/heavy exhaust odor | NA | NA | NA |
| IMPL-F | 746 | 0.1 | Y | Light oily/heavy exhaust odor | NA | NA | NA |
| IMPL-G | 748 | 0.1 | Y | Light oily/heavy exhaust odor | NA | NA | NA |
| IMPL-H | 749 | 0.1 | Y | Light oily/heavy exhaust odor | NA | NA | NA |
| IMPL-I | 750 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 752 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 755 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 756 | 0.0 | N | NA | 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.

# PID & GC Readings

| Date: 02/23/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 812 | 0.1 | Y | Light oily/heavy exhaust odor | NA | NA | NA |
| SAM-2 | 802 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 824 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 817 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 800 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 804 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 808 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 810 | 0.1 | Y | Light oily/heavy exhaust odor | NA | NA | NA |
| IMPL-E | 814 | 0.1 | Y | Light oily/heavy exhaust odor | NA | NA | NA |
| IMPL-F | 816 | 0.1 | Y | Light oily/heavy exhaust odor | NA | NA | NA |
| IMPL-G | 818 | 0.1 | Y | Light oily/heavy exhaust odor | NA | NA | NA |
| IMPL-H | 819 | 0.1 | Y | Light oily/heavy exhaust odor | NA | NA | NA |
| IMPL-I | 820 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 822 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 825 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 826 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/23/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 912 | 0.1 | Y | Light oily/heavy exhaust odor | NA | NA | NA |
| SAM-2 | 902 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 924 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 917 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 900 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 904 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 908 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 910 | 0.1 | Y | Light oily/heavy exhaust odor | NA | NA | NA |
| IMPL-E | 914 | 0.1 | Y | Light oily/heavy exhaust odor | NA | NA | NA |
| IMPL-F | 916 | 0.1 | Y | Light oily/heavy exhaust odor | NA | NA | NA |
| IMPL-G | 918 | 0.1 | Y | Light oily/heavy exhaust odor | NA | NA | NA |
| IMPL-H | 919 | 0.1 | Y | Light oily/heavy exhaust odor | NA | NA | NA |
| IMPL-I | 920 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 922 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 925 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 926 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/23/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 | 0.1 | Y | Heavy exhaust odor/light oily odor | NA | NA | NA |
| SAM-2 | 1011 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1023 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1018 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1010 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1012 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1013 | 0.1 | Y | Heavy exhaust odor/light oily odor | NA | NA | NA |
| IMPL-D | 1014 | 0.1 | Y | Heavy exhaust odor/light oily odor | NA | NA | NA |
| IMPL-E | 1016 | 0.1 | Y | Heavy exhaust odor/light oily odor | NA | NA | NA |
| IMPL-F | 1017 | 0.1 | Y | Heavy exhaust odor/light oily odor | NA | NA | NA |
| IMPL-G | 1019 | 0.1 | Y | Heavy exhaust odor/light oily odor | NA | NA | NA |
| IMPL-H | 1020 | 0.1 | Y | Heavy exhaust odor/light oily odor | NA | NA | NA |
| IMPL-I | 1021 | 0.1 | Y | Heavy exhaust odor/light oily odor | NA | NA | NA |
| IMPL-J | 1022 | 0.1 | Y | Heavy exhaust odor/light oily odor | NA | NA | NA |
| IMPL-K | 1024 | 0.1 | Y | Heavy exhaust odor/light oily odor | NA | NA | NA |
| IMPL-L | 1025 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/23/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1107 | 0.1 | Y | Heavy exhaust odor/light oily odor | NA | NA | NA |
| SAM-2 | 1102 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1117 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1110 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1100 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1103 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1104 | 0.1 | Y | Heavy exhaust odor/light oily odor | NA | NA | NA |
| IMPL-D | 1105 | 0.1 | Y | Heavy exhaust odor/light oily odor | NA | NA | NA |
| IMPL-E | 1108 | 0.1 | Y | Heavy exhaust odor/light oily odor | NA | NA | NA |
| IMPL-F | 1109 | 0.1 | Y | Heavy exhaust odor/light oily odor | NA | NA | NA |
| IMPL-G | 1111 | 0.1 | Y | Heavy exhaust odor/light oily odor | NA | NA | NA |
| IMPL-H | 1112 | 0.1 | Y | Heavy exhaust odor/light oily odor | NA | NA | NA |
| IMPL-I | 1113 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1115 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1118 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1119 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/23/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1216 | 0.1 | Y | Heavy exhaust odor/light oily odor | NA | NA | NA |
| SAM-2 | 1211 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1222 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1217 | 0.1 | Y | Heavy exhaust odor/light oily odor | NA | NA | NA |
| IMPL-A | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1212 | 0.1 | Y | Heavy exhaust odor/light oily odor | NA | NA | NA |
| IMPL-C | 1213 | 0.1 | Y | Heavy exhaust odor/light oily odor | NA | NA | NA |
| IMPL-D | 1215 | 0.1 | Y | Heavy exhaust odor/light oily odor | NA | NA | NA |
| IMPL-E | 1215 | 0.1 | Y | Heavy exhaust odor/light oily odor | NA | NA | NA |
| IMPL-F | 1216 | 0.2 | Y | Heavy exhaust odor/light oily odor | NA | NA | NA |
| IMPL-G | 1218 | 0.1 | Y | Heavy exhaust odor/light oily odor | NA | NA | NA |
| IMPL-H | 1219 | 0.1 | Y | Heavy exhaust odor/light oily odor | NA | NA | NA |
| IMPL-I | 1220 | 0.1 | Y | Heavy exhaust odor/light oily odor | NA | NA | NA |
| IMPL-J | 1221 | 0.1 | Y | Heavy exhaust odor/light oily odor | NA | NA | NA |
| IMPL-K | 1223 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1224 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/23/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 | Exhaust odor | NA | NA | NA |
| SAM-2 | 1302 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1320 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1311 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-A | 1300 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1303 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1304 | 0.0 | Y | Heavy exhaust odor/light oily odor | NA | NA | NA |
| IMPL-D | 1304 | 0.0 | Y | Heavy exhaust odor/light oily odor | NA | NA | NA |
| IMPL-E | 1308 | 0.0 | Y | Heavy exhaust odor/light oily odor | NA | NA | NA |
| IMPL-F | 1310 | 0.0 | Y | Heavy exhaust odor/light oily odor | NA | NA | NA |
| IMPL-G | 1312 | 0.0 | Y | Heavy exhaust odor/light oily odor | NA | NA | NA |
| IMPL-H | 1313 | 0.0 | Y | Heavy exhaust odor/light oily odor | NA | NA | NA |
| IMPL-I | 1314 | 0.0 | Y | Heavy exhaust odor/light oily odor | NA | NA | NA |
| IMPL-J | 1316 | 0.0 | Y | Heavy exhaust odor/light oily odor | NA | NA | NA |
| IMPL-K | 1322 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1323 | 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1408 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1402 | 0.1 | Y | Oily odor | NA | NA | NA |
| SAM-4 | 1418 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1412 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-A | 1400 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1403 | 0.1 | Y | Oily/exhaust odor | NA | NA | NA |
| IMPL-C | 1404 | 0.1 | Y | Oily/exhaust odor | NA | NA | NA |
| IMPL-D | 1406 | 0.1 | Y | Oily/exhaust odor | NA | NA | NA |
| IMPL-E | 1410 | 0.1 | Y | Oily/exhaust odor | NA | NA | NA |
| IMPL-F | 1411 | 0.1 | N | Oily odor | NA | NA | NA |
| IMPL-G | 1413 | 0.1 | N | Oily odor | NA | NA | NA |
| IMPL-H | 1414 | 0.1 | N | No odor | NA | NA | NA |
| IMPL-I | 1415 | 0.1 | N | No odor | NA | NA | NA |
| IMPL-J | 1416 | 0.1 | N | No odor | NA | NA | NA |
| IMPL-K | 1419 | 0.1 | N | No odor | NA | NA | NA |
| IMPL-L | 1420 | 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 (CST) | Average VOC Concentration (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 |
| SAM-2 | 1502 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1520 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1513 | 0.0 | Y | Light oily odor | NA | NA | NA |
| IMPL-A | 1500 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1503 | 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 |
| IMPL-E | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1512 | 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 | 1518 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1521 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1522 | 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 (CST) | Average VOC Concentration (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 |
| SAM-2 | 1602 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1613 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1608 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-A | 1600 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1603 | 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 |
| IMPL-E | 1606 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1607 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-G | 1609 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-H | 1610 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-I | 1611 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-J | 1612 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-K | 1614 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-L | 1615 | 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.

# PID & GC Readings

| Date: 02/24/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 742 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 732 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 754 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 747 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-A | 730 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 734 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 738 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 740 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 744 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 746 | 0.1 | Y | Oily/heavy exhaust odor | NA | NA | NA |
| IMPL-G | 748 | 0.1 | Y | Oily/heavy exhaust odor | NA | NA | NA |
| IMPL-H | 749 | 0.1 | Y | Oily/heavy exhaust odor | NA | NA | NA |
| IMPL-I | 750 | 0.1 | Y | Oily/heavy exhaust odor | NA | NA | NA |
| IMPL-J | 752 | 0.1 | Y | Oily/heavy exhaust odor | NA | NA | NA |
| IMPL-K | 755 | 0.1 | Y | Oily/heavy exhaust odor | NA | NA | NA |
| IMPL-L | 756 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/24/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 817 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 812 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 828 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 821 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-A | 810 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 813 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 814 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 815 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 818 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 820 | 0.1 | Y | Oily/heavy exhaust odor | NA | NA | NA |
| IMPL-G | 822 | 0.1 | Y | Oily/heavy exhaust odor | NA | NA | NA |
| IMPL-H | 823 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-I | 824 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-J | 826 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-K | 829 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 830 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/24/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 905 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 901 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 914 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 908 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-A | 900 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 902 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 903 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 904 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 906 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 907 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 909 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-H | 910 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-I | 911 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-J | 912 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-K | 915 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 916 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/24/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 | 1011 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1023 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1018 | 0.1 | Y | Light oily odor | NA | NA | NA |
| IMPL-A | 1010 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1012 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1013 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1014 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1016 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1017 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1019 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-H | 1020 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-I | 1021 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-J | 1022 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-K | 1024 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1025 | 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1107 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1102 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1117 | 0.1 | Y | Oily odor | NA | NA | NA |
| SAM-5 | 1110 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1100 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1103 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1104 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1105 | 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 | 1111 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-H | 1112 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-I | 1113 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-J | 1115 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-K | 1118 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-L | 1119 | 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1216 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1211 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1222 | 0.1 | Y | Oily odor | NA | NA | NA |
| SAM-5 | 1217 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-A | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1212 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1213 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1215 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1215 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1216 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-G | 1218 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-H | 1219 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-I | 1220 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-J | 1221 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-K | 1223 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-L | 1224 | 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 |

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

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (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 | N | NA | NA | NA | NA |
| SAM-2 | 1302 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1320 | 0.1 | Y | Light oily odor | NA | NA | NA |
| SAM-5 | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1300 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1303 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1312 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1313 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-I | 1314 | 0.2 | Y | Strong oily odor | NA | NA | NA |
| IMPL-J | 1316 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-K | 1322 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-L | 1323 | 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 |

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

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1408 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1418 | 0.1 | Y | Light oily odor | NA | NA | NA |
| SAM-5 | 1412 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1400 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1403 | 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 |
| IMPL-E | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1413 | 0.1 | Y | Light oily odor | NA | NA | NA |
| IMPL-H | 1414 | 0.1 | Y | Light oily odor | NA | NA | NA |
| IMPL-I | 1415 | 0.1 | Y | Light oily odor | NA | NA | NA |
| IMPL-J | 1416 | 0.1 | Y | Light oily odor | NA | NA | NA |
| IMPL-K | 1419 | 0.1 | Y | Light oily odor | NA | NA | NA |
| IMPL-L | 1420 | 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 (CST) | Average VOC Concentration (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 |
| SAM-2 | 1502 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1520 | 0.1 | N | NA | NA | NA | NA |
| SAM-5 | 1513 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1500 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1503 | 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 |
| IMPL-E | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1512 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1514 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-H | 1515 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-I | 1516 | 0.1 | N | NA | NA | NA | NA |
| IMPL-J | 1518 | 0.1 | N | NA | NA | NA | NA |
| IMPL-K | 1521 | 0.1 | N | NA | NA | NA | NA |
| IMPL-L | 1522 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/24/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | NA | NA | NA | NA | NA | NA | NA |
| SAM-2 | NA | NA | NA | NA | NA | NA | NA |
| SAM-4 | NA | NA | NA | NA | NA | NA | NA |
| SAM-5 | NA | NA | NA | NA | NA | NA | NA |
| IMPL-A | NA | NA | NA | NA | NA | NA | NA |
| IMPL-B | NA | NA | NA | NA | NA | NA | NA |
| IMPL-C | NA | NA | NA | NA | NA | NA | NA |
| IMPL-D | NA | NA | NA | NA | NA | NA | NA |
| IMPL-E | NA | NA | NA | NA | NA | NA | NA |
| IMPL-F | NA | NA | NA | NA | NA | NA | NA |
| IMPL-G | NA | NA | NA | NA | NA | NA | NA |
| IMPL-H | NA | NA | NA | NA | NA | NA | NA |
| IMPL-I | NA | NA | NA | NA | NA | NA | NA |
| IMPL-J | NA | NA | NA | NA | NA | NA | NA |
| IMPL-K | NA | NA | NA | NA | NA | NA | NA |
| IMPL-L | NA | NA | NA | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | END OF DAY; no further readings recorded due to inclemental weather |
|---|---|

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.

# PID & GC Readings

| Date: 02/25/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 720 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 716 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 728 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 723 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 715 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 717 | 0.1 | Y | Strong oily odor | NA | NA | NA |
| IMPL-C | 718 | 0.1 | Y | Strong oily odor | NA | NA | NA |
| IMPL-D | 719 | 0.1 | Y | Strong oily odor | NA | NA | NA |
| IMPL-E | 721 | 0.1 | Y | Strong oily odor | NA | NA | NA |
| IMPL-F | 722 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 724 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 725 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 726 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 727 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 729 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 730 | 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.

# PID & GC Readings

| Date: 02/25/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 817 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 812 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 828 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 821 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 810 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 813 | 0.1 | Y | Strong oily odor | NA | NA | NA |
| IMPL-C | 814 | 0.1 | Y | Strong oily odor | NA | NA | NA |
| IMPL-D | 815 | 0.1 | Y | Strong oily odor | NA | NA | NA |
| IMPL-E | 818 | 0.1 | Y | Strong oily odor | NA | NA | NA |
| IMPL-F | 820 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 822 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 823 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 824 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 826 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 829 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 830 | 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.

# PID & GC Readings

| Date: 02/25/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 905 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 901 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 914 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 908 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 900 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 902 | 0.1 | Y | Strong oily odor | NA | NA | NA |
| IMPL-C | 903 | 0.1 | Y | Strong oily odor | NA | NA | NA |
| IMPL-D | 904 | 0.1 | Y | Strong oily odor | NA | NA | NA |
| IMPL-E | 906 | 0.2 | Y | Strong oily odor | NA | NA | NA |
| IMPL-F | 907 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 909 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 910 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 911 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 912 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 915 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 916 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | Excavated material is producing strong odors and higher PID readings. Capping material until ready to ship to maintain. |
|---|---|

At the end of the day:

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4. Confirm all analyzers are in "operate" mode

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# PID & GC Readings

| Date: 02/25/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 | 1011 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1023 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1018 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1010 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1012 | 0.1 | Y | Strong oily odor | NA | NA | NA |
| IMPL-C | 1013 | 0.1 | Y | Strong oily odor | NA | NA | NA |
| IMPL-D | 1014 | 0.1 | Y | Strong oily odor | NA | NA | NA |
| IMPL-E | 1016 | 0.1 | Y | Strong oily odor | NA | NA | NA |
| IMPL-F | 1017 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1019 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1020 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1021 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1022 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1024 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1025 | 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.

# PID & GC Readings

| Date: 02/25/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1107 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1102 | 0.1 | Y | Oily odor | NA | NA | NA |
| SAM-4 | 1117 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1110 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-A | 1100 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-B | 1103 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-C | 1104 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-D | 1105 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-E | 1108 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-F | 1109 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-G | 1111 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-H | 1112 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-I | 1113 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-J | 1115 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-K | 1118 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-L | 1119 | 0.1 | Y | Oily odor | 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.

# PID & GC Readings

| Date: 02/25/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1216 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1211 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1222 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1217 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1212 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-C | 1213 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-D | 1215 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-E | 1215 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-F | 1216 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-G | 1218 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1219 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1220 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1221 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1223 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1224 | 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

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# PID & GC Readings

| Date: 02/25/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 | N | NA | NA | NA | NA |
| SAM-2 | 1302 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1320 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1300 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1303 | 0.0 | Y | Light oily odor | NA | NA | NA |
| IMPL-C | 1304 | 0.0 | Y | Light oily odor | NA | NA | NA |
| IMPL-D | 1304 | 0.0 | Y | Light oily odor | NA | NA | NA |
| IMPL-E | 1308 | 0.0 | Y | Light oily odor | NA | NA | NA |
| IMPL-F | 1310 | 0.0 | N | Light oily odor | NA | NA | NA |
| IMPL-G | 1312 | 0.0 | N | Light oily odor | 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 | 1316 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1322 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1323 | 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.

# PID & GC Readings

| Date: 02/25/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1408 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1418 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1412 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1400 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1403 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1404 | 0.1 | Y | Light oily odor | NA | NA | NA |
| IMPL-D | 1406 | 0.1 | Y | Light oily odor | NA | NA | NA |
| IMPL-E | 1410 | 0.1 | Y | Light oily odor | NA | NA | NA |
| IMPL-F | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1413 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1414 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1415 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1416 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1419 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1420 | 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.

# PID & GC Readings

| Date: 02/25/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | NA | NA | NA | NA | NA | NA | NA |
| SAM-2 | NA | NA | NA | NA | NA | NA | NA |
| SAM-4 | NA | NA | NA | NA | NA | NA | NA |
| SAM-5 | NA | NA | NA | NA | NA | NA | NA |
| IMPL-A | NA | NA | NA | NA | NA | NA | NA |
| IMPL-B | NA | NA | NA | NA | NA | NA | NA |
| IMPL-C | NA | NA | NA | NA | NA | NA | NA |
| IMPL-D | NA | NA | NA | NA | NA | NA | NA |
| IMPL-E | NA | NA | NA | NA | NA | NA | NA |
| IMPL-F | NA | NA | NA | NA | NA | NA | NA |
| IMPL-G | NA | NA | NA | NA | NA | NA | NA |
| IMPL-H | NA | NA | NA | NA | NA | NA | NA |
| IMPL-I | NA | NA | NA | NA | NA | NA | NA |
| IMPL-J | NA | NA | NA | NA | NA | NA | NA |
| IMPL-K | NA | NA | NA | NA | NA | NA | NA |
| IMPL-L | NA | NA | NA | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | END OF DAY; no further readings collected |
|---|---|

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.

# PID & GC Readings

| Date: 02/25/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | NA | NA | NA | NA | NA | NA | NA |
| SAM-2 | NA | NA | NA | NA | NA | NA | NA |
| SAM-4 | NA | NA | NA | NA | NA | NA | NA |
| SAM-5 | NA | NA | NA | NA | NA | NA | NA |
| IMPL-A | NA | NA | NA | NA | NA | NA | NA |
| IMPL-B | NA | NA | NA | NA | NA | NA | NA |
| IMPL-C | NA | NA | NA | NA | NA | NA | NA |
| IMPL-D | NA | NA | NA | NA | NA | NA | NA |
| IMPL-E | NA | NA | NA | NA | NA | NA | NA |
| IMPL-F | NA | NA | NA | NA | NA | NA | NA |
| IMPL-G | NA | NA | NA | NA | NA | NA | NA |
| IMPL-H | NA | NA | NA | NA | NA | NA | NA |
| IMPL-I | NA | NA | NA | NA | NA | NA | NA |
| IMPL-J | NA | NA | NA | NA | NA | NA | NA |
| IMPL-K | NA | NA | NA | NA | NA | NA | NA |
| IMPL-L | NA | NA | NA | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | END OF DAY; no further readings recorded due to inclemental weather |
|---|---|

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.

# PID & GC Readings

| Date: 02/28/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 735 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 731 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 743 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 738 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 730 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 732 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 733 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 734 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 736 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 737 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 739 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 740 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 741 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 742 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 744 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 745 | 0.0 | Y | Light oily odor | 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.

# PID & GC Readings

| Date: 02/28/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 817 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 812 | 0.0 | Y | Light oily/exhaust odor | NA | NA | NA |
| SAM-4 | 828 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 821 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 810 | 0.0 | Y | Light oily odor | NA | NA | NA |
| IMPL-B | 813 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 814 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 815 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 818 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 820 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 822 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 823 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 824 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 826 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 829 | 0.0 | Y | Light oily odor | NA | NA | NA |
| IMPL-L | 830 | 0.0 | Y | Light oily odor | 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

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# PID & GC Readings

| Date: 02/28/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 905 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 901 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 914 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 908 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 900 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 902 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 903 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 904 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 906 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 907 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 909 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 910 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 911 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 912 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 915 | 0.1 | Y | Light oily odor | NA | NA | NA |
| IMPL-L | 916 | 0.2 | Y | Heavy exhaust/light oily odor | NA | NA | NA |

| **Safety Observation/Suggestion:** | Excavated material is producing strong odors and higher PID readings. Capping material until ready to ship to maintain. |
|---|---|

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# PID & GC Readings

| Date: 02/28/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 | 1011 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1023 | 0.0 | Y | Oily odor | NA | NA | NA |
| SAM-5 | 1018 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1010 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1012 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1013 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1014 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1016 | 0.1 | Y | Manure odor | NA | NA | NA |
| IMPL-F | 1017 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1019 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1020 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1021 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1022 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1024 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1025 | 0.1 | Y | Oily odor | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/28/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1107 | 0.0 | Y | Strong manure odor | NA | NA | NA |
| SAM-2 | 1102 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1117 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1110 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1100 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1103 | 0.0 | Y | Dead fish odor | NA | NA | NA |
| IMPL-C | 1104 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1105 | 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 | 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 | 1115 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1118 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-L | 1119 | 0.0 | Y | Oily odor | NA | NA | NA |

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

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# PID & GC Readings

| Date: 02/28/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1226 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1221 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1232 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1227 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1220 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1222 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1223 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1225 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1225 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1226 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1228 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1229 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1230 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1231 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1233 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-L | 1234 | 0.0 | Y | Light oily odor | NA | NA | NA |

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

At the end of the day:

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# PID & GC Readings

| Date: 02/28/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 | N | NA | NA | NA | NA |
| SAM-2 | 1302 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1320 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1300 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1303 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1310 | 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 | 1316 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1322 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-L | 1323 | 0.0 | Y | Light oily odor | NA | NA | NA |

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

At the end of the day:

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# PID & GC Readings

| Date: 02/28/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1408 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1418 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1412 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1400 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1403 | 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 |
| IMPL-E | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1413 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1414 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1415 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1416 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1419 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-L | 1420 | 0.1 | Y | Light oily odor | 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.

# PID & GC Readings

| Date: 02/28/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 |
| SAM-2 | 1501 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1513 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1500 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1502 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1503 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1504 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1506 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1507 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1509 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1511 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1512 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1514 | 0.1 | Y | Light oily odor | NA | NA | NA |
| IMPL-L | 1515 | 0.1 | Y | Light oily odor | NA | NA | NA |

| **Safety Observation/Suggestion:** | END OF DAY; no further readings collected |
|---|---|

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.

# PID & GC Readings

| Date: 02/28/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1605 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1601 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1613 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1608 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1600 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1602 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1603 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1604 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1606 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1607 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1609 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1610 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1611 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1612 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1614 | 0.1 | Y | Light oily odor | NA | NA | NA |
| IMPL-L | 1615 | 0.1 | Y | Light oily odor | NA | NA | NA |

| **Safety Observation/Suggestion:** | END OF DAY; no further readings recorded due to inclemental weather |
|---|---|

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.

# PID & GC Readings

| Date: 03/01/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 735 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 731 | 0.0 | Y | Oily odor | NA | NA | NA |
| SAM-4 | 743 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 738 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 730 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 732 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 733 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 734 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 736 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 737 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 739 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 740 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 741 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 742 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 744 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 745 | 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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# PID & GC Readings

| Date: 03/01/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 817 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 812 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 828 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 821 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 810 | 0.0 | Y | Light oily odor | NA | NA | NA |
| IMPL-B | 813 | 0.0 | N | Light oily odor | NA | NA | NA |
| IMPL-C | 814 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 815 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 818 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 820 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 822 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 823 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 824 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 826 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 829 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 830 | 0.0 | Y | Light oily odor | 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.

# PID & GC Readings

| Date: 03/01/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 905 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 901 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 914 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 908 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 900 | 0.1 | Y | Light oily odor | NA | NA | NA |
| IMPL-B | 902 | 0.1 | Y | Light oily odor | NA | NA | NA |
| IMPL-C | 903 | 0.1 | Y | Light oily odor | NA | NA | NA |
| IMPL-D | 904 | 0.1 | Y | Light oily odor | NA | NA | NA |
| IMPL-E | 906 | 0.1 | Y | Light oily odor | NA | NA | NA |
| IMPL-F | 907 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 909 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 910 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 911 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 912 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 915 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 916 | 0.2 | Y | Oily odor | NA | NA | NA |

| **Safety Observation/Suggestion:** | Excavated material is producing strong odors and higher PID readings. Capping material until ready to ship to maintain. |
|---|---|

At the end of the day:

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4. Confirm all analyzers are in "operate" mode

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# PID & GC Readings

| Date: 03/01/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 | 1011 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1023 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1018 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1010 | 0.1 | Y | Oily/burn odor | NA | NA | NA |
| IMPL-B | 1012 | 0.1 | Y | Oily/burn odor | NA | NA | NA |
| IMPL-C | 1013 | 0.1 | Y | Oily/burn odor | NA | NA | NA |
| IMPL-D | 1014 | 0.1 | Y | Oily/burn odor | NA | NA | NA |
| IMPL-E | 1016 | 0.1 | Y | Oily/burn odor | NA | NA | NA |
| IMPL-F | 1017 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1019 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1020 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1021 | 0.1 | Y | Oily/burn odor | NA | NA | NA |
| IMPL-J | 1022 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1024 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1025 | 0.1 | Y | Oily odor | 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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# PID & GC Readings

| Date: 03/01/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1107 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1102 | 0.1 | Y | Light oily odor | NA | NA | NA |
| SAM-4 | 1117 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1110 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1100 | 0.2 | N | Strong oily odor | NA | NA | NA |
| IMPL-B | 1103 | 0.2 | Y | Strong oily odor | NA | NA | NA |
| IMPL-C | 1104 | 0.2 | N | Strong oily odor | NA | NA | NA |
| IMPL-D | 1105 | 0.2 | N | Strong oily odor | NA | NA | NA |
| IMPL-E | 1108 | 0.1 | N | Exhaust odor | NA | NA | NA |
| IMPL-F | 1109 | 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 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-J | 1115 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-K | 1118 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1119 | 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.

# PID & GC Readings

| Date: 03/01/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1226 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1221 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1232 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1227 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1220 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1222 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-C | 1223 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-D | 1225 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-E | 1225 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-F | 1226 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1228 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1229 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1230 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1231 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1233 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1234 | 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.

# PID & GC Readings

| Date: 03/01/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 | N | NA | NA | NA | NA |
| SAM-2 | 1302 | 0.0 | Y | Light oily odor | NA | NA | NA |
| SAM-4 | 1320 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1300 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-B | 1303 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-C | 1304 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-D | 1304 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-E | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1310 | 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 | 1316 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1322 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1323 | 0.1 | Y | Oily odor | NA | NA | NA |

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

At the end of the day:

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# PID & GC Readings

| Date: 03/01/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1408 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1418 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1412 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1400 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1403 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1404 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-D | 1406 | 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 | 1413 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1414 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1415 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1416 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1419 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1420 | 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.

# PID & GC Readings

| Date: 03/01/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 |
| SAM-2 | 1501 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1513 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1500 | 0.1 | Y | Oily manure odor | NA | NA | NA |
| IMPL-B | 1502 | 0.1 | Y | Manure odor | NA | NA | NA |
| IMPL-C | 1503 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-D | 1504 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-E | 1506 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-F | 1507 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-G | 1509 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1511 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1512 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1514 | 0.0 | Y | Light oily odor | NA | NA | NA |
| IMPL-L | 1515 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | END OF DAY; no further readings collected |
|---|---|

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.

# PID & GC Readings

| Date: 03/01/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1605 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1601 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1613 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1608 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1600 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1602 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-C | 1603 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-D | 1604 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-E | 1606 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-F | 1607 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-G | 1609 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1610 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1611 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1612 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1614 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1615 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | END OF DAY; no further readings recorded due to inclemental weather |
|---|---|

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.

# PID & GC Readings

| Date: 03/02/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | NA | NA | NA | NA | NA | NA | NA |
| SAM-2 | NA | NA | NA | NA | NA | NA | NA |
| SAM-4 | NA | NA | NA | NA | NA | NA | NA |
| SAM-5 | NA | NA | NA | NA | NA | NA | NA |
| IMPL-A | NA | NA | NA | NA | NA | NA | NA |
| IMPL-B | NA | NA | NA | NA | NA | NA | NA |
| IMPL-C | NA | NA | NA | NA | NA | NA | NA |
| IMPL-D | NA | NA | NA | NA | NA | NA | NA |
| IMPL-E | NA | NA | NA | NA | NA | NA | NA |
| IMPL-F | NA | NA | NA | NA | NA | NA | NA |
| IMPL-G | NA | NA | NA | NA | NA | NA | NA |
| IMPL-H | NA | NA | NA | NA | NA | NA | NA |
| IMPL-I | NA | NA | NA | NA | NA | NA | NA |
| IMPL-J | NA | NA | NA | NA | NA | NA | NA |
| IMPL-K | NA | NA | NA | NA | NA | NA | NA |
| IMPL-L | NA | NA | NA | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | No readings taken at this time due to wastewater sampling and cooler/coc preperation |
|---|---|

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.

# PID & GC Readings

| Date: 03/02/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 817 | 0.1 | Y | Manure odor | NA | NA | NA |
| SAM-2 | 812 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 828 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 821 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 810 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 813 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 814 | 0.1 | Y | Light oily odor | NA | NA | NA |
| IMPL-D | 815 | 0.1 | Y | Light oily odor | NA | NA | NA |
| IMPL-E | 818 | 0.1 | Y | Light oily odor | NA | NA | NA |
| IMPL-F | 820 | 0.1 | Y | Light oily odor | NA | NA | NA |
| IMPL-G | 822 | 0.1 | Y | Light oily odor | NA | NA | NA |
| IMPL-H | 823 | 0.1 | Y | Light oily odor | NA | NA | NA |
| IMPL-I | 824 | 0.1 | Y | Light oily odor | NA | NA | NA |
| IMPL-J | 826 | 0.1 | Y | Light oily odor | NA | NA | NA |
| IMPL-K | 829 | 0.1 | Y | Light oily odor | NA | NA | NA |
| IMPL-L | 830 | 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.

# PID & GC Readings

| Date: 03/02/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 920 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 916 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 929 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 923 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 915 | 0.1 | Y | Light oily odor | NA | NA | NA |
| IMPL-B | 917 | 0.1 | Y | Light oily odor | NA | NA | NA |
| IMPL-C | 918 | 0.1 | Y | Light oily odor | NA | NA | NA |
| IMPL-D | 919 | 0.1 | Y | Light oily odor | NA | NA | NA |
| IMPL-E | 921 | 0.1 | Y | Light oily odor | NA | NA | NA |
| IMPL-F | 922 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 924 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 925 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 926 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 927 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 930 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 931 | 0.2 | Y | Oily odor | NA | NA | NA |

| **Safety Observation/Suggestion:** | Excavated material is producing strong odors and higher PID readings. Capping material until ready to ship to maintain. |
|---|---|

At the end of the day:

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4. Confirm all analyzers are in "operate" mode

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# PID & GC Readings

| Date: 03/02/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1005 | 0.1 | Y | Exhaust/maure odor | NA | NA | NA |
| SAM-2 | 1001 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1013 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1008 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1000 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1002 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1003 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1004 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1006 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1007 | 0.1 | Y | Light oily odor | NA | NA | NA |
| IMPL-G | 1009 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1010 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1011 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1012 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1014 | 0.1 | Y | Strong oily odor | NA | NA | NA |
| IMPL-L | 1015 | 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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# PID & GC Readings

| Date: 03/02/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 | 1116 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1128 | 0.1 | Y | Oily odor | NA | NA | NA |
| SAM-5 | 1123 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-A | 1115 | 0.1 | Y | Oily/manure odor | NA | NA | NA |
| IMPL-B | 1117 | 0.1 | Y | Oily/manure odor | NA | NA | NA |
| IMPL-C | 1118 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1119 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1121 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1122 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-G | 1124 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-H | 1125 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-I | 1126 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-J | 1127 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-K | 1129 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-L | 1130 | 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.

# PID & GC Readings

| Date: 03/02/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 |
| SAM-2 | 1201 | 0.1 | Y | Manure odor | NA | NA | NA |
| SAM-4 | 1212 | 0.1 | Y | Light oily odor | NA | NA | NA |
| SAM-5 | 1207 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1200 | 0.1 | Y | Light oily/exhaust odor | NA | NA | NA |
| IMPL-B | 1202 | 0.1 | Y | Light oily/exhaust odor | NA | NA | NA |
| IMPL-C | 1203 | 0.1 | Y | Light oily/exhaust odor | NA | NA | NA |
| IMPL-D | 1205 | 0.1 | Y | Light oily/exhaust odor | NA | NA | NA |
| IMPL-E | 1205 | 0.1 | Y | Light oily/exhaust odor | NA | NA | NA |
| IMPL-F | 1206 | 0.1 | Y | Light oily/exhaust odor | NA | NA | NA |
| IMPL-G | 1208 | 0.1 | Y | Light oily/exhaust odor | NA | NA | NA |
| IMPL-H | 1209 | 0.1 | Y | Light oily/exhaust odor | NA | NA | NA |
| IMPL-I | 1210 | 0.1 | Y | Light oily/exhaust odor | NA | NA | NA |
| IMPL-J | 1211 | 0.1 | Y | Light oily/exhaust odor | NA | NA | NA |
| IMPL-K | 1213 | 0.2 | Y | Oily odor | NA | NA | NA |
| IMPL-L | 1214 | 0.1 | Y | Oily 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.

# PID & GC Readings

| Date: 03/02/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 | Manure/Exhaust odor | NA | NA | NA |
| SAM-2 | 1302 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1320 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1300 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1303 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1310 | 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 | 1316 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1322 | 0.0 | Y | Light oily odor | NA | NA | NA |
| IMPL-L | 1323 | 0.0 | Y | Light oily odor | 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.

# PID & GC Readings

| Date: 03/02/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1408 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1418 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1412 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1400 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1403 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1404 | 0.0 | Y | Light exhaust odor | NA | NA | NA |
| IMPL-D | 1406 | 0.0 | Y | Light exhaust odor | NA | NA | NA |
| IMPL-E | 1410 | 0.0 | Y | Light exhaust odor | NA | NA | NA |
| IMPL-F | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1413 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1414 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1415 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1416 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1419 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1420 | 0.0 | Y | Oily 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.

# PID & GC Readings

| Date: 03/02/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 |
| SAM-2 | 1501 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1513 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1500 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1502 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1503 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-D | 1504 | 0.0 | Y | Exhaust odor | NA | NA | NA |
| IMPL-E | 1506 | 0.0 | Y | Exhaust odor | NA | NA | NA |
| IMPL-F | 1507 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1509 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1511 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1512 | 0.0 | Y | Smoked Pork odor from Willie's | NA | NA | NA |
| IMPL-K | 1514 | 0.0 | Y | Smoked Pork odor from Willie's | NA | NA | NA |
| IMPL-L | 1515 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | END OF DAY; no further readings collected |
|---|---|

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.

# PID & GC Readings

| Date: 03/02/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1605 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1601 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1613 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1608 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1600 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-B | 1602 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-C | 1603 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-D | 1604 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-E | 1606 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-F | 1607 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1609 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1610 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1611 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1612 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1614 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1615 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | END OF DAY; no further readings recorded due to inclemental weather |
|---|---|

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.

# PID & GC Readings

| Date: 03/03/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 736 | 0.0 | NA | NA | NA | NA | NA |
| SAM-2 | 732 | 0.0 | NA | NA | NA | NA | NA |
| SAM-4 | 744 | 0.0 | NA | NA | NA | NA | NA |
| SAM-5 | 739 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-A | 730 | 0.0 | NA | NA | NA | NA | NA |
| IMPL-B | 733 | 0.0 | NA | NA | NA | NA | NA |
| IMPL-C | 734 | 0.0 | NA | NA | NA | NA | NA |
| IMPL-D | 735 | 0.0 | NA | NA | NA | NA | NA |
| IMPL-E | 737 | 0.0 | NA | NA | NA | NA | NA |
| IMPL-F | 738 | 0.3 | Y | Very strong oily odor | NA | NA | NA |
| IMPL-G | 740 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-H | 741 | 0.0 | NA | NA | NA | NA | NA |
| IMPL-I | 742 | 0.0 | NA | NA | NA | NA | NA |
| IMPL-J | 743 | 0.0 | NA | NA | NA | NA | NA |
| IMPL-K | 745 | 0.0 | NA | NA | NA | NA | NA |
| IMPL-L | 746 | 0.0 | NA | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | No readings taken at this time due to wastewater sampling and cooler/coc preperation |
|---|---|

At the end of the day:

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4. Confirm all analyzers are in "operate" mode

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# PID & GC Readings

| Date: 03/03/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 807 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 802 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 818 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 811 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 800 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 803 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 804 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 808 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 810 | 0.2 | Y | Strong oily odor | NA | NA | NA |
| IMPL-G | 812 | 0.2 | Y | Strong oily odor | NA | NA | NA |
| IMPL-H | 813 | 0.2 | Y | Strong oily odor | NA | NA | NA |
| IMPL-I | 814 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 816 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 819 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 820 | 0.0 | N | NA | NA | NA | NA |

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

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3. Note any supplies needed
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# PID & GC Readings

| Date: 03/03/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 920 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 916 | 0.1 | Y | Exhaust odor | NA | NA | NA |
| SAM-4 | 929 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 923 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 915 | 0.1 | Y | Exhaust odor | NA | NA | NA |
| IMPL-B | 917 | 0.1 | Y | Exhaust odor | NA | NA | NA |
| IMPL-C | 918 | 0.1 | Y | Exhaust odor | NA | NA | NA |
| IMPL-D | 919 | 0.1 | Y | Exhaust odor | NA | NA | NA |
| IMPL-E | 921 | 0.1 | Y | Exhaust odor | NA | NA | NA |
| IMPL-F | 922 | 0.2 | Y | Oily odor | NA | NA | NA |
| IMPL-G | 924 | 0.2 | Y | Oily odor | NA | NA | NA |
| IMPL-H | 925 | 0.2 | Y | Oily odor | NA | NA | NA |
| IMPL-I | 926 | 0.1 | Y | Exhaust/oily odor | NA | NA | NA |
| IMPL-J | 927 | 0.1 | Y | Exhaust/oily odor | NA | NA | NA |
| IMPL-K | 930 | 0.1 | Y | Exhaust/oily odor | NA | NA | NA |
| IMPL-L | 931 | 0.1 | Y | Exhaust/oily odor | NA | NA | NA |

| **Safety Observation/Suggestion:** | Excavated material is producing strong odors and higher PID readings. Capping material until ready to ship to maintain. |
|---|---|

At the end of the day:

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4. Confirm all analyzers are in "operate" mode

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# PID & GC Readings

| Date: 03/03/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1005 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1001 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1013 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1008 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1000 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1002 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1003 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1004 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1006 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1007 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-G | 1009 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-H | 1010 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-I | 1011 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1012 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1014 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1015 | 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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# PID & GC Readings

| Date: 03/03/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1105 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1101 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1113 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1108 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1100 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1102 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1103 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1104 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1106 | 0.0 | Y | Oil/Exhaust odor | NA | NA | NA |
| IMPL-F | 1107 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-G | 1109 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-H | 1110 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-I | 1111 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-J | 1112 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1114 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1115 | 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.

# PID & GC Readings

| Date: 03/03/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 |
| SAM-2 | 1201 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1212 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1207 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1200 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1202 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1203 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1205 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1205 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1206 | 0.0 | Y | Light oily odor | NA | NA | NA |
| IMPL-G | 1208 | 0.0 | Y | Light oily odor | NA | NA | NA |
| IMPL-H | 1209 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1211 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1213 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1214 | 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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# PID & GC Readings

| Date: 03/03/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 | N | NA | NA | NA | NA |
| SAM-2 | 1302 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1320 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1300 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1303 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1310 | 0.1 | Y | Light oily odor | 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 | 1316 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1322 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1323 | 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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# PID & GC Readings

| Date: 03/03/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1408 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1418 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1412 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1400 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1403 | 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 |
| IMPL-E | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1411 | 0.0 | Y | Light oily odor | NA | NA | NA |
| IMPL-G | 1413 | 0.0 | Y | Light oily odor | NA | NA | NA |
| IMPL-H | 1414 | 0.0 | Y | Light oily odor | NA | NA | NA |
| IMPL-I | 1415 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1416 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1419 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1420 | 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.

# PID & GC Readings

| Date: 03/03/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 |
| SAM-2 | 1501 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1513 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1500 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1502 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1503 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1504 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1506 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1507 | 0.0 | Y | Light oily odor | NA | NA | NA |
| IMPL-G | 1509 | 0.0 | Y | Light oily odor | NA | NA | NA |
| IMPL-H | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1511 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1512 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1514 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1515 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | END OF DAY; no further readings collected |
|---|---|

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
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# PID & GC Readings

| Date: 03/03/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | NA | NA | NA | NA | NA | NA | NA |
| SAM-2 | NA | NA | NA | NA | NA | NA | NA |
| SAM-4 | NA | NA | NA | NA | NA | NA | NA |
| SAM-5 | NA | NA | NA | NA | NA | NA | NA |
| IMPL-A | NA | NA | NA | NA | NA | NA | NA |
| IMPL-B | NA | NA | NA | NA | NA | NA | NA |
| IMPL-C | NA | NA | NA | NA | NA | NA | NA |
| IMPL-D | NA | NA | NA | NA | NA | NA | NA |
| IMPL-E | NA | NA | NA | NA | NA | NA | NA |
| IMPL-F | NA | NA | NA | NA | NA | NA | NA |
| IMPL-G | NA | NA | NA | NA | NA | NA | NA |
| IMPL-H | NA | NA | NA | NA | NA | NA | NA |
| IMPL-I | NA | NA | NA | NA | NA | NA | NA |
| IMPL-J | NA | NA | NA | NA | NA | NA | NA |
| IMPL-K | NA | NA | NA | NA | NA | NA | NA |
| IMPL-L | NA | NA | NA | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | END OF DAY; no further readings recorded due to inclemental weather |
|---|---|

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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# PID & GC Readings

| Date: 03/04/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | NA | NA | NA | NA | NA | NA | NA |
| SAM-2 | NA | NA | NA | NA | NA | NA | NA |
| SAM-4 | NA | NA | NA | NA | NA | NA | NA |
| SAM-5 | NA | NA | NA | NA | NA | NA | NA |
| IMPL-A | NA | NA | NA | NA | NA | NA | NA |
| IMPL-B | NA | NA | NA | NA | NA | NA | NA |
| IMPL-C | NA | NA | NA | NA | NA | NA | NA |
| IMPL-D | NA | NA | NA | NA | NA | NA | NA |
| IMPL-E | NA | NA | NA | NA | NA | NA | NA |
| IMPL-F | NA | NA | NA | NA | NA | NA | NA |
| IMPL-G | NA | NA | NA | NA | NA | NA | NA |
| IMPL-H | NA | NA | NA | NA | NA | NA | NA |
| IMPL-I | NA | NA | NA | NA | NA | NA | NA |
| IMPL-J | NA | NA | NA | NA | NA | NA | NA |
| IMPL-K | NA | NA | NA | NA | NA | NA | NA |
| IMPL-L | NA | NA | NA | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | No readings taken at this time due to wastewater sampling and cooler/coc preperation |
|---|---|

At the end of the day:

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# PID & GC Readings

| Date: 03/04/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 827 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 822 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 838 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 831 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 820 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 823 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 824 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 825 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 828 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 830 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 832 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 833 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-I | 834 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-J | 836 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-K | 839 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-L | 840 | 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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# PID & GC Readings

| Date: 03/04/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 935 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 931 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 944 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 938 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 930 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 932 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 933 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 934 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 936 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 937 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 939 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 940 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-I | 941 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-J | 942 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-K | 945 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-L | 946 | 0.0 | N | NA | NA | NA | NA |

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

At the end of the day:

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# PID & GC Readings

| Date: 03/04/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1005 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1001 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1013 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1008 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1000 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1002 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1003 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1004 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1006 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1007 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1009 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1010 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-I | 1011 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-J | 1012 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-K | 1014 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-L | 1015 | 0.0 | N | NA | NA | NA | NA |

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

At the end of the day:

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# PID & GC Readings

| Date: 03/04/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1105 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1101 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1113 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1108 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1100 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1102 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1103 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1104 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1106 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1107 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1109 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1110 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-I | 1111 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-J | 1112 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-K | 1114 | 0.1 | Y | Oily odor | NA | NA | NA |
| IMPL-L | 1115 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 03/04/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 |
| SAM-2 | 1201 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1212 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1207 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1200 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1202 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1203 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1205 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1205 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1206 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1208 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1209 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1211 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1213 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1214 | 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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# PID & GC Readings

| Date: 03/04/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 | N | NA | NA | NA | NA |
| SAM-2 | 1302 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1320 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1300 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1303 | 0.0 | Y | Manure odor | NA | NA | NA |
| IMPL-C | 1304 | 0.0 | Y | Manure odor | NA | NA | NA |
| IMPL-D | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1312 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1313 | 0.0 | Y | Light oily odor | NA | NA | NA |
| IMPL-I | 1314 | 0.0 | Y | Light oily odor | NA | NA | NA |
| IMPL-J | 1316 | 0.0 | Y | Light oily odor | NA | NA | NA |
| IMPL-K | 1322 | 0.0 | Y | Light oily odor | NA | NA | NA |
| IMPL-L | 1323 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 03/04/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1408 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1418 | 0.0 | Y | Light oily odor | NA | NA | NA |
| SAM-5 | 1412 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1400 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1403 | 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 |
| IMPL-E | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1413 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1414 | 0.0 | Y | Light oily odor | NA | NA | NA |
| IMPL-I | 1415 | 0.0 | Y | Light oily odor | NA | NA | NA |
| IMPL-J | 1416 | 0.0 | Y | Light oily odor | NA | NA | NA |
| IMPL-K | 1419 | 0.0 | Y | Light oily odor | NA | NA | NA |
| IMPL-L | 1420 | 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.

# PID & GC Readings

| Date: 03/04/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 |
| SAM-2 | 1501 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1513 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1500 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1502 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1503 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1504 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1506 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1507 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1509 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1510 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-I | 1511 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-J | 1512 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-K | 1514 | 0.0 | Y | Oily odor | NA | NA | NA |
| IMPL-L | 1515 | 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

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

# PID & GC Readings

| Date: 03/04/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | NA | NA | NA | NA | NA | NA | NA |
| SAM-2 | NA | NA | NA | NA | NA | NA | NA |
| SAM-4 | NA | NA | NA | NA | NA | NA | NA |
| SAM-5 | NA | NA | NA | NA | NA | NA | NA |
| IMPL-A | NA | NA | NA | NA | NA | NA | NA |
| IMPL-B | NA | NA | NA | NA | NA | NA | NA |
| IMPL-C | NA | NA | NA | NA | NA | NA | NA |
| IMPL-D | NA | NA | NA | NA | NA | NA | NA |
| IMPL-E | NA | NA | NA | NA | NA | NA | NA |
| IMPL-F | NA | NA | NA | NA | NA | NA | NA |
| IMPL-G | NA | NA | NA | NA | NA | NA | NA |
| IMPL-H | NA | NA | NA | NA | NA | NA | NA |
| IMPL-I | NA | NA | NA | NA | NA | NA | NA |
| IMPL-J | NA | NA | NA | NA | NA | NA | NA |
| IMPL-K | NA | NA | NA | NA | NA | NA | NA |
| IMPL-L | NA | NA | NA | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | End of day; No further readings collected. |
|---|---|

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.

# PID & GC Readings

| Date: 03/21/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 737 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 732 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 748 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 741 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 730 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 733 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 734 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 735 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 738 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 740 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 742 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 743 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 744 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 746 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 749 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 750 | 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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# PID & GC Readings

| Date: 03/21/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 807 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 802 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 818 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 811 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 800 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 803 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 804 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 808 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 810 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 812 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 813 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 814 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 816 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 819 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 820 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 03/21/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 935 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 931 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 944 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 938 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 930 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 932 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 933 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 934 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 936 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 937 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 939 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 940 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 941 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 942 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 945 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 946 | 0.0 | Y | Light tar-like odor | NA | NA | NA |

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

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# PID & GC Readings

| Date: 03/21/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1005 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1001 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1013 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1008 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1000 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1002 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1003 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1004 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1006 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1007 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1009 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1010 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1011 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1012 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1014 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1015 | 0.0 | N | NA | NA | NA | NA |

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

At the end of the day:

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# PID & GC Readings

| Date: 03/21/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1105 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1101 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1113 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1108 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1100 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1102 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1103 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1104 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1106 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1107 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1109 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1110 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1111 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1112 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1114 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1115 | 0.0 | N | NA | NA | NA | NA |

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

At the end of the day:

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# PID & GC Readings

| Date: 03/21/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 |
| SAM-2 | 1201 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1212 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1207 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1200 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1202 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1203 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1205 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1205 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1206 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1208 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1209 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1211 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1213 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1214 | 0.0 | Y | Light oily/exhaust - like odor | NA | NA | NA |

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

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# PID & GC Readings

| Date: 03/21/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 | N | NA | NA | NA | NA |
| SAM-2 | 1302 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1320 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1300 | 0.0 | Y | Tar-like odor | NA | NA | NA |
| IMPL-B | 1303 | 0.0 | Y | Tar-like odor | NA | NA | NA |
| IMPL-C | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1310 | 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 | 1316 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1322 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1323 | 0.0 | Y | Tar-like 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.

# PID & GC Readings

| Date: 03/21/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1408 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1418 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1412 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1400 | 0.0 | Y | Light tar-like odor | NA | NA | NA |
| IMPL-B | 1403 | 0.0 | Y | Light tar-like odor | NA | NA | NA |
| IMPL-C | 1404 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1406 | 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 | 1413 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1414 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1415 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1416 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1419 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1420 | 0.0 | Y | Light tar-like odor | NA | NA | NA |

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

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# PID & GC Readings

| Date: 03/21/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 |
| SAM-2 | 1501 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1513 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1500 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1502 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1503 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1504 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1506 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1507 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1509 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1511 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1512 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1514 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1515 | 0.0 | N | NA | NA | NA | NA |

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

At the end of the day:

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# PID & GC Readings

| Date: 03/21/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | NA | NA | NA | NA | NA | NA | NA |
| SAM-2 | NA | NA | NA | NA | NA | NA | NA |
| SAM-4 | NA | NA | NA | NA | NA | NA | NA |
| SAM-5 | NA | NA | NA | NA | NA | NA | NA |
| IMPL-A | NA | NA | NA | NA | NA | NA | NA |
| IMPL-B | NA | NA | NA | NA | NA | NA | NA |
| IMPL-C | NA | NA | NA | NA | NA | NA | NA |
| IMPL-D | NA | NA | NA | NA | NA | NA | NA |
| IMPL-E | NA | NA | NA | NA | NA | NA | NA |
| IMPL-F | NA | NA | NA | NA | NA | NA | NA |
| IMPL-G | NA | NA | NA | NA | NA | NA | NA |
| IMPL-H | NA | NA | NA | NA | NA | NA | NA |
| IMPL-I | NA | NA | NA | NA | NA | NA | NA |
| IMPL-J | NA | NA | NA | NA | NA | NA | NA |
| IMPL-K | NA | NA | NA | NA | NA | NA | NA |
| IMPL-L | NA | NA | NA | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | End of day; No further readings collected. |
|---|---|

At the end of the day:

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# PID & GC Readings

| Date: 03/22/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 737 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 732 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 748 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 741 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 730 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 733 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 734 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 735 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 738 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 740 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 742 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 743 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 744 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 746 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 749 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 750 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 03/22/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 807 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 802 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 818 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 811 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 800 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 803 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 804 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 808 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 810 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 812 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 813 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 814 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 816 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 819 | 0.2 | Y | Tar-like odor | NA | NA | NA |
| IMPL-L | 820 | 0.2 | Y | Tar-like odor | NA | NA | NA |

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

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# PID & GC Readings

| Date: 03/22/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 935 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 931 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 944 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 938 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 930 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 932 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 933 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 934 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 936 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 937 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 939 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 940 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 941 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 942 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 945 | 0.2 | Y | Tar-like odor | NA | NA | NA |
| IMPL-L | 946 | 0.2 | Y | Tar-like odor | 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1005 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1001 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1013 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1008 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1000 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1002 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1003 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1004 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1006 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1007 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1009 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1010 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1011 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1012 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1014 | 0.1 | Y | Tar-like odor | NA | NA | NA |
| IMPL-L | 1015 | 0.1 | Y | Tar-like odor | 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1105 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1101 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1113 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1108 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1100 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1102 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1103 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1104 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1106 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1107 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1109 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1110 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1111 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1112 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1114 | 0.0 | Y | Tar-like odor | NA | NA | NA |
| IMPL-L | 1115 | 0.0 | Y | Tar-like odor | NA | NA | NA |

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

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# PID & GC Readings

| Date: 03/22/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 |
| SAM-2 | 1201 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1212 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1207 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1200 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1202 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1203 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1205 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1205 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1206 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1208 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1209 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1211 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1213 | 0.0 | Y | Tar-like odor | NA | NA | NA |
| IMPL-L | 1214 | 0.0 | Y | Tar-like odor | NA | NA | NA |

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

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# PID & GC Readings

| Date: 03/22/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 | N | NA | NA | NA | NA |
| SAM-2 | 1302 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1320 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1300 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1303 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1310 | 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 | 1316 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1322 | 0.0 | Y | Light tar-like odor | NA | NA | NA |
| IMPL-L | 1323 | 0.0 | Y | Light tar-like 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.

# PID & GC Readings

| Date: 03/22/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1408 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1418 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1412 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1400 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1403 | 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 |
| IMPL-E | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1413 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1414 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1415 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1416 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1419 | 0.0 | Y | Light tar-like odor | NA | NA | NA |
| IMPL-L | 1420 | 0.0 | Y | Light tar-like odor | NA | NA | NA |

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

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# PID & GC Readings

| Date: 03/22/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 |
| SAM-2 | 1501 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1513 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1500 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1502 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1503 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1504 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1506 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1507 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1509 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1511 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1512 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1514 | 0.1 | Y | Light tar-like odor | NA | NA | NA |
| IMPL-L | 1515 | 0.1 | Y | Light tar-like odor | NA | NA | NA |

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

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# PID & GC Readings

| Date: 03/22/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1605 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1601 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1613 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1608 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1600 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1602 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1603 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1604 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1606 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1607 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1609 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1610 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1611 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1612 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1614 | 0.1 | Y | Light tar-like odor | NA | NA | NA |
| IMPL-L | 1615 | 0.1 | Y | Light tar-like odor | NA | NA | NA |

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

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# PID & GC Readings

| Date: 03/23/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | NA | NA | NA | NA | NA | NA | NA |
| SAM-2 | NA | NA | NA | NA | NA | NA | NA |
| SAM-4 | NA | NA | NA | NA | NA | NA | NA |
| SAM-5 | NA | NA | NA | NA | NA | NA | NA |
| IMPL-A | NA | NA | NA | NA | NA | NA | NA |
| IMPL-B | NA | NA | NA | NA | NA | NA | NA |
| IMPL-C | NA | NA | NA | NA | NA | NA | NA |
| IMPL-D | NA | NA | NA | NA | NA | NA | NA |
| IMPL-E | NA | NA | NA | NA | NA | NA | NA |
| IMPL-F | NA | NA | NA | NA | NA | NA | NA |
| IMPL-G | NA | NA | NA | NA | NA | NA | NA |
| IMPL-H | NA | NA | NA | NA | NA | NA | NA |
| IMPL-I | NA | NA | NA | NA | NA | NA | NA |
| IMPL-J | NA | NA | NA | NA | NA | NA | NA |
| IMPL-K | NA | NA | NA | NA | NA | NA | NA |
| IMPL-L | NA | NA | NA | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | No recordings due to Waste-water sample collection |
|---|---|

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# PID & GC Readings

| Date: 03/23/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 807 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 802 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 818 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 811 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 800 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 803 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 804 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 808 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 810 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 812 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 813 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 814 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 816 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 819 | 0.2 | Y | Tar-like odor | NA | NA | NA |
| IMPL-L | 820 | 0.2 | Y | Tar-like odor | NA | NA | NA |

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

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# PID & GC Readings

| Date: 03/23/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 935 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 931 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 944 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 938 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 930 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 932 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 933 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 934 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 936 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 937 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 939 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 940 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 941 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 942 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 945 | 0.2 | Y | Tar-like odor | NA | NA | NA |
| IMPL-L | 946 | 0.2 | Y | Tar-like odor | 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1005 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1001 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1013 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1008 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1000 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1002 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1003 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1004 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1006 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1007 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1009 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1010 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1011 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1012 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1014 | 0.1 | Y | Tar-like odor | NA | NA | NA |
| IMPL-L | 1015 | 0.1 | Y | Tar-like odor | 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1105 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1101 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1113 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1108 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1100 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1102 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1103 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1104 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1106 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1107 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1109 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1110 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1111 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1112 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1114 | 0.1 | Y | Tar-like odor | NA | NA | NA |
| IMPL-L | 1115 | 0.1 | Y | Tar-like odor | NA | NA | NA |

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

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# PID & GC Readings

| Date: 03/23/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 |
| SAM-2 | 1201 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1212 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1207 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1200 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1202 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1203 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1205 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1205 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1206 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1208 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1209 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1211 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1213 | 0.1 | Y | Tar-like odor | NA | NA | NA |
| IMPL-L | 1214 | 0.1 | Y | Tar-like odor | 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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# PID & GC Readings

| Date: 03/23/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 | N | NA | NA | NA | NA |
| SAM-2 | 1302 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1320 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1300 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1303 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1310 | 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 | 1316 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1322 | 0.1 | Y | Light tar-like odor | NA | NA | NA |
| IMPL-L | 1323 | 0.1 | Y | Light tar-like odor | 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.

# PID & GC Readings

| Date: 03/23/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1408 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1418 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1412 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1400 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1403 | 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 |
| IMPL-E | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1413 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1414 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1415 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1416 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1419 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1420 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 03/23/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 |
| SAM-2 | 1501 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1513 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1500 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1502 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1503 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1504 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1506 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1507 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1509 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1511 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1512 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1514 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1515 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 03/23/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1605 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1601 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1613 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1608 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1600 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1602 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1603 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1604 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1606 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1607 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1609 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1610 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1611 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1612 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1614 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1615 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 03/24/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 735 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 732 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 746 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 739 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 730 | 0.2 | Y | Tar-like odor | NA | NA | NA |
| IMPL-B | 731 | 0.2 | Y | Tar-like odor | NA | NA | NA |
| IMPL-C | 732 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 733 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 736 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 738 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 740 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 741 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 742 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 744 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 747 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 748 | 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 807 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 802 | 0.1 | Y | Tar-like odor | NA | NA | NA |
| SAM-4 | 818 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 811 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 800 | 0.2 | Y | Tar-like odor | NA | NA | NA |
| IMPL-B | 803 | 0.2 | Y | Tar-like odor | NA | NA | NA |
| IMPL-C | 804 | 0.1 | Y | Tar/exhaust-like odor | NA | NA | NA |
| IMPL-D | 805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 808 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 810 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 812 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 813 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 814 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 816 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 819 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 820 | 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 935 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 931 | 0.1 | Y | Tar-like odor | NA | NA | NA |
| SAM-4 | 944 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 938 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 930 | 0.2 | Y | Tar-like odor | NA | NA | NA |
| IMPL-B | 932 | 0.2 | Y | Tar-like odor | NA | NA | NA |
| IMPL-C | 933 | 0.2 | Y | Tar-like odor | NA | NA | NA |
| IMPL-D | 934 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 936 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 937 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 939 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 940 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 941 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 942 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 945 | 0.2 | Y | Tar-like odor | NA | NA | NA |
| IMPL-L | 946 | 0.2 | Y | Tar-like odor | 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 |

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

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1005 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1001 | 0.1 | Y | Tar-like odor | NA | NA | NA |
| SAM-4 | 1013 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1008 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1000 | 0.3 | Y | Strong tar-like odor | NA | NA | NA |
| IMPL-B | 1002 | 0.3 | Y | Strong tar-like odor | NA | NA | NA |
| IMPL-C | 1003 | 0.3 | Y | Strong tar-like odor | NA | NA | NA |
| IMPL-D | 1004 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1006 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1007 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1009 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1010 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1011 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1012 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1014 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1015 | 0.1 | Y | Tar-like odor | 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1105 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1101 | 0.0 | Y | Tar-like odor | NA | NA | NA |
| SAM-4 | 1113 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1108 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1100 | 0.1 | Y | Tar-like odor | NA | NA | NA |
| IMPL-B | 1102 | 0.1 | Y | Tar-like odor | NA | NA | NA |
| IMPL-C | 1103 | 0.1 | Y | Tar-like odor | NA | NA | NA |
| IMPL-D | 1104 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1106 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1107 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1109 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1110 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1111 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1112 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1114 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1115 | 0.0 | N | NA | NA | NA | NA |

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|---|---|

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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 (CST) | Average VOC Concentration (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 |
| SAM-2 | 1201 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1212 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1207 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1200 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1202 | 0.1 | Y | Tar-like odor | NA | NA | NA |
| IMPL-C | 1203 | 0.1 | Y | Tar-like odor | NA | NA | NA |
| IMPL-D | 1205 | 0.1 | Y | Tar-like odor | NA | NA | NA |
| IMPL-E | 1205 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1206 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1208 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1209 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1211 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1213 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1214 | 0.0 | N | NA | 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.

# PID & GC Readings

| Date: 03/24/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 | N | NA | NA | NA | NA |
| SAM-2 | 1302 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1320 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1300 | 0.1 | Y | Tar-like odor | NA | NA | NA |
| IMPL-B | 1303 | 0.1 | Y | Tar-like odor | NA | NA | NA |
| IMPL-C | 1304 | 0.1 | Y | Tar-like odor | NA | NA | NA |
| IMPL-D | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1310 | 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 | 1316 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1322 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1323 | 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.

# PID & GC Readings

| Date: 03/24/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1408 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1418 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1412 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1400 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1403 | 0.2 | Y | Tar-like odor | NA | NA | NA |
| IMPL-C | 1404 | 0.2 | Y | Tar-like odor | NA | NA | NA |
| IMPL-D | 1406 | 0.1 | Y | Tar-like odor | 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 | 1413 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1414 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1415 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1416 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1419 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1420 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 03/24/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 |
| SAM-2 | 1501 | 0.0 | Y | Light tar-like odor | NA | NA | NA |
| SAM-4 | 1513 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1500 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1502 | 0.1 | Y | Light tar-like odor | NA | NA | NA |
| IMPL-C | 1503 | 0.1 | Y | Light tar-like odor | NA | NA | NA |
| IMPL-D | 1504 | 0.1 | Y | Light tar-like odor | NA | NA | NA |
| IMPL-E | 1506 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1507 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1509 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1511 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1512 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1514 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1515 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 03/24/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1605 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1601 | 0.0 | Y | NA | NA | NA | NA |
| SAM-4 | 1613 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1608 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1600 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1602 | 0.0 | Y | Light tar-like odor | NA | NA | NA |
| IMPL-C | 1603 | 0.0 | Y | Light tar-like odor | NA | NA | NA |
| IMPL-D | 1604 | 0.0 | Y | Light tar-like odor | NA | NA | NA |
| IMPL-E | 1606 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1607 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1609 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1610 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1611 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1612 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1614 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1615 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 03/25/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 735 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 732 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 746 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 739 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 730 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 731 | 0.0 | Y | Tar-like odor | NA | NA | NA |
| IMPL-C | 732 | 0.0 | Y | Tar-like odor | NA | NA | NA |
| IMPL-D | 733 | 0.0 | Y | Tar-like odor | NA | NA | NA |
| IMPL-E | 736 | 0.0 | Y | Tar-like odor | NA | NA | NA |
| IMPL-F | 738 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 740 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 741 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 742 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 744 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 747 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 748 | 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 807 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 802 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 818 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 811 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 800 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 803 | 0.0 | Y | Tar-like odor | NA | NA | NA |
| IMPL-C | 804 | 0.0 | Y | Tar-like odor | NA | NA | NA |
| IMPL-D | 805 | 0.0 | Y | Tar-like odor | NA | NA | NA |
| IMPL-E | 808 | 0.0 | Y | Tar-like odor | NA | NA | NA |
| IMPL-F | 810 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 812 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 813 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 814 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 816 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 819 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 820 | 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 935 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 931 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 944 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 938 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 930 | 0.4 | Y | Strong tar-like odor | NA | NA | NA |
| IMPL-B | 932 | 0.5 - 7.6 | Y | Heavy tar-like odor | NA | NA | NA |
| IMPL-C | 933 | 0.5 - 7.6 | Y | Heavy tar-like odor | NA | NA | NA |
| IMPL-D | 934 | 0.5 - 7.6 | Y | Heavy tar-like odor | NA | NA | NA |
| IMPL-E | 936 | 0.5 - 7.6 | Y | Heavy tar-like odor | NA | NA | NA |
| IMPL-F | 937 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 939 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 940 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 941 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 942 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 945 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 946 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | PID perimeter check: strong odor/reading on perimeters. Action being taken to reduce odor and readings.<br>IMPL (A) = 0.4 ppm; strong tar-like odor due to source material removal<br>IMPL (B – D) = 0.5 – 7.6 ppm; heavy tar-like odor due to source material having been piled up.<br>Source material moved/covered and mixed to reduce odor and readings. Containment efforts continuing.<br>Continuous monitoring in effect. |
|---|---|

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# PID & GC Readings

| Date: 03/25/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1005 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1001 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1013 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1008 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1000 | 0.0 | Y | Light tar-like odor | NA | NA | NA |
| IMPL-B | 1002 | 0.2 | Y | Tar-like odor | NA | NA | NA |
| IMPL-C | 1003 | 0.2 | Y | Tar-like odor | NA | NA | NA |
| IMPL-D | 1004 | 0.2 | Y | Tar-like odor | NA | NA | NA |
| IMPL-E | 1006 | 0.2 | Y | Tar-like odor | NA | NA | NA |
| IMPL-F | 1007 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1009 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1010 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1011 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1012 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1014 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1015 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | Increased readings occurred from load-out of source material. Prior to load outs readings are within parameters. |
|---|---|

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# PID & GC Readings

| Date: 03/25/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1105 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1101 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1113 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1108 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1100 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1102 | 0.2 | Y | Light tar-like odor | NA | NA | NA |
| IMPL-C | 1103 | 0.2 | Y | Light tar-like odor | NA | NA | NA |
| IMPL-D | 1104 | 0.2 | Y | Light tar-like odor | NA | NA | NA |
| IMPL-E | 1106 | 0.3 | Y | Tar-like odor | NA | NA | NA |
| IMPL-F | 1107 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1109 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1110 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1111 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1112 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1114 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1115 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 03/25/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 |
| SAM-2 | 1201 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1212 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1207 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1200 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1202 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1203 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1205 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1205 | 0.1 | Y | Light tar-like odor | NA | NA | NA |
| IMPL-F | 1206 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1208 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1209 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1211 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1213 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1214 | 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.

# PID & GC Readings

| Date: 03/25/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 | N | NA | NA | NA | NA |
| SAM-2 | 1302 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1320 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1300 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1303 | 0.1 | Y | Tar-like odor | NA | NA | NA |
| IMPL-C | 1304 | 0.2 | Y | Tar-like odor | NA | NA | NA |
| IMPL-D | 1304 | 0.2 | Y | Tar-like odor | NA | NA | NA |
| IMPL-E | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1310 | 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 | 1316 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1322 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1323 | 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

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

# PID & GC Readings

| Date: 03/25/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1408 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1418 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1412 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1400 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1403 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1404 | 0.1 | Y | Tar-like odor | NA | NA | NA |
| IMPL-D | 1406 | 0.1 | Y | Tar-like odor | NA | NA | NA |
| IMPL-E | 1410 | 0.1 | Y | Tar-like odor | NA | NA | NA |
| IMPL-F | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1413 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1414 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1415 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1416 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1419 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1420 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 03/25/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | NA | NA | NA | NA | NA | NA | NA |
| SAM-2 | NA | NA | NA | NA | NA | NA | NA |
| SAM-4 | NA | NA | NA | NA | NA | NA | NA |
| SAM-5 | NA | NA | NA | NA | NA | NA | NA |
| IMPL-A | NA | NA | NA | NA | NA | NA | NA |
| IMPL-B | NA | NA | NA | NA | NA | NA | NA |
| IMPL-C | NA | NA | NA | NA | NA | NA | NA |
| IMPL-D | NA | NA | NA | NA | NA | NA | NA |
| IMPL-E | NA | NA | NA | NA | NA | NA | NA |
| IMPL-F | NA | NA | NA | NA | NA | NA | NA |
| IMPL-G | NA | NA | NA | NA | NA | NA | NA |
| IMPL-H | NA | NA | NA | NA | NA | NA | NA |
| IMPL-I | NA | NA | NA | NA | NA | NA | NA |
| IMPL-J | NA | NA | NA | NA | NA | NA | NA |
| IMPL-K | NA | NA | NA | NA | NA | NA | NA |
| IMPL-L | NA | NA | NA | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | End of Day; no further soil disturbance. Site cleanup in progress. Minimal to no odors present. |
|---|---|

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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# PID & GC Readings

| Date: 03/25/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | NA | NA | NA | NA | NA | NA | NA |
| SAM-2 | NA | NA | NA | NA | NA | NA | NA |
| SAM-4 | NA | NA | NA | NA | NA | NA | NA |
| SAM-5 | NA | NA | NA | NA | NA | NA | NA |
| IMPL-A | NA | NA | NA | NA | NA | NA | NA |
| IMPL-B | NA | NA | NA | NA | NA | NA | NA |
| IMPL-C | NA | NA | NA | NA | NA | NA | NA |
| IMPL-D | NA | NA | NA | NA | NA | NA | NA |
| IMPL-E | NA | NA | NA | NA | NA | NA | NA |
| IMPL-F | NA | NA | NA | NA | NA | NA | NA |
| IMPL-G | NA | NA | NA | NA | NA | NA | NA |
| IMPL-H | NA | NA | NA | NA | NA | NA | NA |
| IMPL-I | NA | NA | NA | NA | NA | NA | NA |
| IMPL-J | NA | NA | NA | NA | NA | NA | NA |
| IMPL-K | NA | NA | NA | NA | NA | NA | NA |
| IMPL-L | NA | NA | NA | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | End of Day; no further soil disturbance. Site cleanup in progress. Minimal to no odors present. |
|---|---|

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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# PID & GC Readings

| Date: 03/28/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 735 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 732 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 746 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 739 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 730 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 731 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 732 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 733 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 736 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 738 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 740 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 741 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 742 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 744 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 747 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 748 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 03/28/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 812 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 807 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 823 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 816 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 808 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 809 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 810 | 0.1 | Y | Exhaust-like odor | NA | NA | NA |
| IMPL-E | 813 | 0.1 | Y | Exhaust-like odor | NA | NA | NA |
| IMPL-F | 815 | 0.1 | Y | Exhaust-like odor | NA | NA | NA |
| IMPL-G | 817 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 818 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 819 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 821 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 824 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 825 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 03/28/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 935 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 931 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 944 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 938 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 930 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 932 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 933 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 934 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 936 | 0.0 | Y | Light exhaust/tar-like odor | NA | NA | NA |
| IMPL-F | 937 | 0.0 | Y | Light exhaust/tar-like odor | NA | NA | NA |
| IMPL-G | 939 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 940 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 941 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 942 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 945 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 946 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | PID perimeter check: strong odor/reading on perimeters. Action being taken to reduce odor and readings.<br>IMPL (A) = 0.4 ppm; strong tar-like odor due to source material removal<br>IMPL (B – D) = 0.5 – 7.6 ppm; heavy tar-like odor due to source material having been piled up.<br>Source material moved/covered and mixed to reduce odor and readings. Containment efforts continuing.<br>Continuous monitoring in effect. |
|---|---|

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

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# PID & GC Readings

| Date: 03/28/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1046 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1042 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1054 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1049 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1041 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1043 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1044 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1045 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1047 | 0.0 | Y | Light tar/exhaust-like odor | NA | NA | NA |
| IMPL-F | 1048 | 0.0 | Y | Light tar/exhaust-like odor | NA | NA | NA |
| IMPL-G | 1050 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1051 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1052 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1053 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1055 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1056 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | Increased readings occurred from load-out of source material. Prior to load outs readings are within parameters. |
|---|---|

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# PID & GC Readings

| Date: 03/28/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1137 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1132 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1147 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1141 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1130 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1133 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1134 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1135 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1138 | 0.0 | Y | Light tar-like odor | NA | NA | NA |
| IMPL-F | 1139 | 0.0 | Y | Light tar-like odor | NA | NA | NA |
| IMPL-G | 1142 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1143 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1144 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1145 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1148 | 0.0 | Y | Light tar-like odor | NA | NA | NA |
| IMPL-L | 1149 | 0.0 | N | NA | NA | NA | NA |

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

At the end of the day:

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

# PID & GC Readings

| Date: 03/28/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 |
| SAM-2 | 1201 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1212 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1207 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1200 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1202 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1203 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1205 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1205 | 0.0 | Y | Light tar/exhaust-like odor | NA | NA | NA |
| IMPL-F | 1206 | 0.0 | Y | Light tar/exhaust-like odor | NA | NA | NA |
| IMPL-G | 1208 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1209 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1211 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1213 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1214 | 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 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1336 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1332 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1350 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1341 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1330 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1333 | 0.0 | Y | Tar-like odor | NA | NA | NA |
| IMPL-C | 1334 | 0.0 | Y | Tar-like odor | NA | NA | NA |
| IMPL-D | 1334 | 0.0 | Y | Tar-like odor | NA | NA | NA |
| IMPL-E | 1338 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1340 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1342 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1343 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1344 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1346 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1352 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1353 | 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1408 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1418 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1412 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1400 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1403 | 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 |
| IMPL-E | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1413 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1414 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1415 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1416 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1419 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1420 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 03/28/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 |
| SAM-2 | 1502 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1518 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1512 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1500 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1503 | 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 |
| IMPL-E | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1511 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1513 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1514 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1515 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1516 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1519 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1520 | 0.0 | N | NA | NA | NA | NA |

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

At the end of the day:

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# PID & GC Readings

| Date: 03/28/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 |
| SAM-2 | 1602 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1618 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1612 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1600 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1603 | 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 |
| IMPL-E | 1610 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1611 | 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 |
| IMPL-K | 1619 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1620 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | End of Day; no further soil disturbance. Site cleanup in progress. Minimal to no odors present. |
|---|---|

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# PID & GC Readings

| Date: 03/29/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 735 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 732 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 746 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 739 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 730 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 731 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 732 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 733 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 736 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 738 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 740 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 741 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 742 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 744 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 747 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 748 | 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 812 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 807 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 823 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 816 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 808 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 809 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 810 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 813 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 815 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 817 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 818 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 819 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 821 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 824 | 0.0 | Y | Exhaust odor | NA | NA | NA |
| IMPL-L | 825 | 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 |

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

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 935 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 931 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 944 | 0.0 | Y | Light exhuast/tar-like odor | NA | NA | NA |
| SAM-5 | 938 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 930 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 932 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 933 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 934 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 936 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 937 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 939 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 940 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 941 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 942 | 0.0 | Y | Light exhuast/tar-like odor | NA | NA | NA |
| IMPL-K | 945 | 0.0 | Y | Light exhuast/tar-like odor | NA | NA | NA |
| IMPL-L | 946 | 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 |

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

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1046 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1042 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1054 | 0.2 | Y | Light exhuast/tar-like odor | NA | NA | NA |
| SAM-5 | 1049 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1041 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1043 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1044 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1045 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1047 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1048 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1050 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1051 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1052 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1053 | 0.0 | Y | Light exhuast/tar-like odor | NA | NA | NA |
| IMPL-K | 1055 | 0.2 | Y | Light exhuast/tar-like odor | NA | NA | NA |
| IMPL-L | 1056 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | Increased readings occurred from load-out of source material. Prior to load outs readings are within parameters. |
|---|---|

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# PID & GC Readings

| Date: 03/29/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1137 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1132 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1147 | 0.1 | Y | Light exhuast/tar-like odor | NA | NA | NA |
| SAM-5 | 1141 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1130 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1133 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1134 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1135 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1138 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1139 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1142 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1143 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1144 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1145 | 0.1 | Y | Exhuast/tar-like odor | NA | NA | NA |
| IMPL-K | 1148 | 0.1 | Y | Exhuast/tar-like odor | NA | NA | NA |
| IMPL-L | 1149 | 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.

# PID & GC Readings

| Date: 03/29/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 |
| SAM-2 | 1201 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1212 | 0.1 | Y | Light exhuast/tar-like odor | NA | NA | NA |
| SAM-5 | 1207 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1200 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1202 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1203 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1205 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1205 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1206 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1208 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1209 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1211 | 0.1 | Y | Light exhuast/tar-like odor | NA | NA | NA |
| IMPL-K | 1213 | 0.1 | Y | Light exhuast/tar-like odor | NA | NA | NA |
| IMPL-L | 1214 | 0.1 | Y | Light exhuast/tar-like odor | 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.

# PID & GC Readings

| Date: 03/29/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1336 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1332 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1350 | 0.1 | Y | Exhaust/tar-like odor | NA | NA | NA |
| SAM-5 | 1341 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1330 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1333 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1334 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1334 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1338 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1340 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1342 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1343 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1344 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1346 | 0.1 | Y | Exhaust/tar-like odor | NA | NA | NA |
| IMPL-K | 1352 | 0.1 | Y | Exhaust/tar-like odor | NA | NA | NA |
| IMPL-L | 1353 | 0.1 | Y | Exhaust/tar-like odor | NA | NA | NA |

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

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# PID & GC Readings

| Date: 03/29/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1408 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1418 | 0.2 | Y | Tar/exhaust-like odor | NA | NA | NA |
| SAM-5 | 1412 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1400 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1403 | 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 |
| IMPL-E | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1413 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1414 | 0.1 | Y | Exhaust/tar-like odor | NA | NA | NA |
| IMPL-I | 1415 | 0.1 | Y | Exhaust/tar-like odor | NA | NA | NA |
| IMPL-J | 1416 | 0.2 | Y | Tar/exhaust-like odor | NA | NA | NA |
| IMPL-K | 1419 | 0.2 | Y | Tar/exhaust-like odor | NA | NA | NA |
| IMPL-L | 1420 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 03/29/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 |
| SAM-2 | 1502 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1518 | 0.2 | Y | Tar/exhaust-like odor | NA | NA | NA |
| SAM-5 | 1512 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1500 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1503 | 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 |
| IMPL-E | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1511 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1513 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1514 | 0.1 | Y | Exhaust/tar-like odor | NA | NA | NA |
| IMPL-I | 1515 | 0.1 | Y | Exhaust/tar-like odor | NA | NA | NA |
| IMPL-J | 1516 | 0.2 | Y | Tar/exhaust-like odor | NA | NA | NA |
| IMPL-K | 1519 | 0.2 | Y | Tar/exhaust-like odor | NA | NA | NA |
| IMPL-L | 1520 | 0.1 | Y | Exhaust/tar-like odor | NA | NA | NA |

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

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# PID & GC Readings

| Date: 03/29/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 |
| SAM-2 | 1602 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1618 | 0.0 | Y | Light exhuast/tar-like odor | NA | NA | NA |
| SAM-5 | 1612 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1600 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1603 | 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 |
| IMPL-E | 1610 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1611 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1613 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1614 | 0.0 | Y | Light exhuast/tar-like odor | NA | NA | NA |
| IMPL-I | 1615 | 0.0 | Y | Light exhuast/tar-like odor | NA | NA | NA |
| IMPL-J | 1616 | 0.0 | Y | Light exhuast/tar-like odor | NA | NA | NA |
| IMPL-K | 1619 | 0.0 | Y | Light exhuast/tar-like odor | NA | NA | NA |
| IMPL-L | 1620 | 0.0 | Y | Light exhuast/tar-like odor | NA | NA | NA |

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

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# PID & GC Readings

| Date: 03/30/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 735 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 732 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 746 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 739 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 730 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 731 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 732 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 733 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 736 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 738 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 740 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 741 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 742 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 744 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 747 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 748 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 03/30/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 812 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 807 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 823 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 816 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 808 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 809 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 810 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 813 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 815 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 817 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 818 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 819 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 821 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 824 | 0.0 | Y | Exhaust odor | NA | NA | NA |
| IMPL-L | 825 | 0.2 | Y | Tar-like odor | NA | NA | NA |

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

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# PID & GC Readings

| Date: 03/30/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 935 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 931 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 944 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 938 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 930 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 932 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 933 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 934 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 936 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 937 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 939 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 940 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 941 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 942 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 945 | 0.0 | Y | Light exhuast/tar-like odor | NA | NA | NA |
| IMPL-L | 946 | 0.2 | Y | Tar-like odor | NA | NA | NA |

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

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# PID & GC Readings

| Date: 03/30/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | NA | NA | NA | NA | NA | NA | NA |
| SAM-2 | NA | NA | NA | NA | NA | NA | NA |
| SAM-4 | NA | NA | NA | NA | NA | NA | NA |
| SAM-5 | NA | NA | NA | NA | NA | NA | NA |
| IMPL-A | NA | NA | NA | NA | NA | NA | NA |
| IMPL-B | NA | NA | NA | NA | NA | NA | NA |
| IMPL-C | NA | NA | NA | NA | NA | NA | NA |
| IMPL-D | NA | NA | NA | NA | NA | NA | NA |
| IMPL-E | NA | NA | NA | NA | NA | NA | NA |
| IMPL-F | NA | NA | NA | NA | NA | NA | NA |
| IMPL-G | NA | NA | NA | NA | NA | NA | NA |
| IMPL-H | NA | NA | NA | NA | NA | NA | NA |
| IMPL-I | NA | NA | NA | NA | NA | NA | NA |
| IMPL-J | NA | NA | NA | NA | NA | NA | NA |
| IMPL-K | NA | NA | NA | NA | NA | NA | NA |
| IMPL-L | NA | NA | NA | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | No samples taken at this time due to lightening events. |
|---|---|

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# PID & GC Readings

| Date: 03/30/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | NA | NA | NA | NA | NA | NA | NA |
| SAM-2 | NA | NA | NA | NA | NA | NA | NA |
| SAM-4 | NA | NA | NA | NA | NA | NA | NA |
| SAM-5 | NA | NA | NA | NA | NA | NA | NA |
| IMPL-A | NA | NA | NA | NA | NA | NA | NA |
| IMPL-B | NA | NA | NA | NA | NA | NA | NA |
| IMPL-C | NA | NA | NA | NA | NA | NA | NA |
| IMPL-D | NA | NA | NA | NA | NA | NA | NA |
| IMPL-E | NA | NA | NA | NA | NA | NA | NA |
| IMPL-F | NA | NA | NA | NA | NA | NA | NA |
| IMPL-G | NA | NA | NA | NA | NA | NA | NA |
| IMPL-H | NA | NA | NA | NA | NA | NA | NA |
| IMPL-I | NA | NA | NA | NA | NA | NA | NA |
| IMPL-J | NA | NA | NA | NA | NA | NA | NA |
| IMPL-K | NA | NA | NA | NA | NA | NA | NA |
| IMPL-L | NA | NA | NA | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | No samples taken at this time due to lightening events. |
|---|---|

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.

# PID & GC Readings

| Date: 03/30/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 |
| SAM-2 | 1201 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1212 | 0.0 | Y | Tar-like odor | NA | NA | NA |
| SAM-5 | 1207 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1200 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1202 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1203 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1205 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1205 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1206 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1208 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1209 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1211 | 0.0 | Y | Tar-like odor | NA | NA | NA |
| IMPL-K | 1213 | 0.0 | Y | Tar-like odor | NA | NA | NA |
| IMPL-L | 1214 | 0.0 | Y | Tar-like odor | NA | NA | NA |

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

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# PID & GC Readings

| Date: 03/30/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1336 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1332 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1350 | 0.0 | Y | Light tar-like odor | NA | NA | NA |
| SAM-5 | 1341 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1330 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1333 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1334 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1334 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1338 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1340 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1342 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1343 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1344 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1346 | 0.0 | Y | Light tar-like odor | NA | NA | NA |
| IMPL-K | 1352 | 0.0 | Y | Light tar-like odor | NA | NA | NA |
| IMPL-L | 1353 | 0.0 | Y | Light tar-like odor | NA | NA | NA |

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

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# PID & GC Readings

| Date: 03/30/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1408 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1418 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1412 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1400 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1403 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1404 | 0.0 | Y | Light exhaust/tar-like odor | NA | NA | NA |
| IMPL-D | 1406 | 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 | 1413 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1414 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1415 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1416 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1419 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1420 | 0.0 | N | NA | NA | NA | NA |

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

At the end of the day:

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# PID & GC Readings

| Date: 03/30/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | NA | NA | NA | NA | NA | NA | NA |
| SAM-2 | NA | NA | NA | NA | NA | NA | NA |
| SAM-4 | NA | NA | NA | NA | NA | NA | NA |
| SAM-5 | NA | NA | NA | NA | NA | NA | NA |
| IMPL-A | NA | NA | NA | NA | NA | NA | NA |
| IMPL-B | NA | NA | NA | NA | NA | NA | NA |
| IMPL-C | NA | NA | NA | NA | NA | NA | NA |
| IMPL-D | NA | NA | NA | NA | NA | NA | NA |
| IMPL-E | NA | NA | NA | NA | NA | NA | NA |
| IMPL-F | NA | NA | NA | NA | NA | NA | NA |
| IMPL-G | NA | NA | NA | NA | NA | NA | NA |
| IMPL-H | NA | NA | NA | NA | NA | NA | NA |
| IMPL-I | NA | NA | NA | NA | NA | NA | NA |
| IMPL-J | NA | NA | NA | NA | NA | NA | NA |
| IMPL-K | NA | NA | NA | NA | NA | NA | NA |
| IMPL-L | NA | NA | NA | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | End of Day; no further readings recorded |
|---|---|

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
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4. Confirm all analyzers are in "operate" mode

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# PID & GC Readings

| Date: 03/30/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | NA | NA | NA | NA | NA | NA | NA |
| SAM-2 | NA | NA | NA | NA | NA | NA | NA |
| SAM-4 | NA | NA | NA | NA | NA | NA | NA |
| SAM-5 | NA | NA | NA | NA | NA | NA | NA |
| IMPL-A | NA | NA | NA | NA | NA | NA | NA |
| IMPL-B | NA | NA | NA | NA | NA | NA | NA |
| IMPL-C | NA | NA | NA | NA | NA | NA | NA |
| IMPL-D | NA | NA | NA | NA | NA | NA | NA |
| IMPL-E | NA | NA | NA | NA | NA | NA | NA |
| IMPL-F | NA | NA | NA | NA | NA | NA | NA |
| IMPL-G | NA | NA | NA | NA | NA | NA | NA |
| IMPL-H | NA | NA | NA | NA | NA | NA | NA |
| IMPL-I | NA | NA | NA | NA | NA | NA | NA |
| IMPL-J | NA | NA | NA | NA | NA | NA | NA |
| IMPL-K | NA | NA | NA | NA | NA | NA | NA |
| IMPL-L | NA | NA | NA | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | End of Day; no further readings recorded |
|---|---|

At the end of the day:

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# PID & GC Readings

| Date: 03/31/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 735 | 0.0 | Y | Tar-like odor | NA | NA | NA |
| SAM-2 | 732 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 746 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 739 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 730 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 731 | 0.3 | Y | Strong tar-like odor | NA | NA | NA |
| IMPL-C | 732 | 0.3 | Y | Strong tar-like odor | NA | NA | NA |
| IMPL-D | 733 | 0.3 | Y | Strong tar-like odor | NA | NA | NA |
| IMPL-E | 736 | 0.3 | Y | Strong tar-like odor | NA | NA | NA |
| IMPL-F | 738 | 0.3 | Y | Strong tar-like odor | NA | NA | NA |
| IMPL-G | 740 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 741 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 742 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 744 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 747 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 748 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 03/31/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 812 | 0.0 | Y | Tar-like odor | NA | NA | NA |
| SAM-2 | 807 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 823 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 816 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 808 | 0.3 | Y | Strong tar-like odor | NA | NA | NA |
| IMPL-C | 809 | 0.3 | Y | Strong tar-like odor | NA | NA | NA |
| IMPL-D | 810 | 0.3 | Y | Strong tar-like odor | NA | NA | NA |
| IMPL-E | 813 | 0.3 | Y | Strong tar-like odor | NA | NA | NA |
| IMPL-F | 815 | 0.3 | Y | Strong tar-like odor | NA | NA | NA |
| IMPL-G | 817 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 818 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 819 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 821 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 824 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 825 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 03/31/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 935 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 931 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 944 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 938 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 930 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 932 | 0.1 | Y | Tar-like odor | NA | NA | NA |
| IMPL-C | 933 | 0.3 | Y | Tar-like odor | NA | NA | NA |
| IMPL-D | 934 | 0.2 | Y | Tar-like odor | NA | NA | NA |
| IMPL-E | 936 | 0.2 | Y | Tar-like odor | NA | NA | NA |
| IMPL-F | 937 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 939 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 940 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 941 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 942 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 945 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 946 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 03/31/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1005 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1001 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1014 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1008 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1000 | 0.1 | Y | Exhaust-like odor | NA | NA | NA |
| IMPL-B | 1002 | 0.3 | Y | Tar-like odor | NA | NA | NA |
| IMPL-C | 1003 | 0.2 | Y | Tar-like odor | NA | NA | NA |
| IMPL-D | 1004 | 0.1 | Y | Tar-like odor | NA | NA | NA |
| IMPL-E | 1006 | 0.0 | Y | NA | NA | NA | NA |
| IMPL-F | 1007 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1009 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1010 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1011 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1012 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1015 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1016 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | No samples taken at this time due to lightening events. |
|---|---|

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

# PID & GC Readings

| Date: 03/31/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 935 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 931 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 944 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 938 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 930 | 0.1 | Y | Light tar-like odor | NA | NA | NA |
| IMPL-B | 932 | 0.1 | Y | Light tar-like odor | NA | NA | NA |
| IMPL-C | 933 | 0.1 | Y | Light tar-like odor | NA | NA | NA |
| IMPL-D | 934 | 0.1 | Y | Light tar-like odor | NA | NA | NA |
| IMPL-E | 936 | 0.1 | Y | Light tar-like odor | NA | NA | NA |
| IMPL-F | 937 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 939 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 940 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 941 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 942 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 945 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 946 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | No samples taken at this time due to lightening events. |
|---|---|

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.

# PID & GC Readings

| Date: 03/31/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 |
| SAM-2 | 1201 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1212 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1207 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1200 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1202 | 0.1 | Y | Tar-like odor | NA | NA | NA |
| IMPL-C | 1203 | 0.2 | Y | Tar-like odor | NA | NA | NA |
| IMPL-D | 1205 | 0.1 | Y | Tar-like odor | NA | NA | NA |
| IMPL-E | 1205 | 0.1 | Y | Tar-like odor | NA | NA | NA |
| IMPL-F | 1206 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1208 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1209 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1211 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1213 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1214 | 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

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

# PID & GC Readings

| Date: 03/31/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1336 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1332 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1350 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1341 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1330 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1333 | 0.0 | Y | Tar/ammonia-like odor | NA | NA | NA |
| IMPL-C | 1334 | 0.2 | Y | Tar/ammonia-like odor | NA | NA | NA |
| IMPL-D | 1334 | 0.1 | Y | Tar/ammonia-like odor | NA | NA | NA |
| IMPL-E | 1338 | 0.1 | Y | Tar/ammonia-like odor | NA | NA | NA |
| IMPL-F | 1340 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1342 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1343 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1344 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1346 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1352 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1353 | 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.

# PID & GC Readings

| Date: 03/31/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1408 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1418 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1412 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1400 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1403 | 0.2 | Y | Tar/ammonia-like odor | NA | NA | NA |
| IMPL-C | 1404 | 0.2 | Y | Tar/ammonia-like odor | NA | NA | NA |
| IMPL-D | 1406 | 0.2 | Y | Tar/ammonia-like odor | NA | NA | NA |
| IMPL-E | 1410 | N | N | NA | NA | NA | NA |
| IMPL-F | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1413 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1414 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1415 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1416 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1419 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1420 | 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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# PID & GC Readings

| Date: 03/31/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 |
| SAM-2 | 1502 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1518 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1512 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1500 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1503 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1504 | 0.1 | Y | Tar/ammonia-like odor | NA | NA | NA |
| IMPL-D | 1506 | 0.0 | Y | Tar/ammonia-like odor | NA | NA | NA |
| IMPL-E | 1510 | 0.0 | Y | Tar/ammonia-like odor | NA | NA | NA |
| IMPL-F | 1511 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1513 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1514 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1515 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1516 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1519 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1520 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | End of Day; no further readings recorded |
|---|---|

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.

# PID & GC Readings

| Date: 03/31/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 |
| SAM-2 | 1602 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1618 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1612 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1600 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1603 | 0.1 | Y | Tar/diesel-like odor | NA | NA | NA |
| IMPL-C | 1604 | 0.1 | Y | Tar/diesel-like odor | NA | NA | NA |
| IMPL-D | 1606 | 0.1 | Y | Tar/diesel-like odor | NA | NA | NA |
| IMPL-E | 1610 | 0.0 | Y | Tar/diesel-like odor | NA | NA | NA |
| IMPL-F | 1611 | 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 |
| IMPL-K | 1619 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1620 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | End of Day; no further readings recorded |
|---|---|

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.

# PID & GC Readings

| Date: 04/01/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 735 | 0.3 | Y | Tar-like odor | NA | NA | NA |
| SAM-2 | 732 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 746 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 739 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 730 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 731 | 0.4 | Y | Strong tar-like odor | NA | NA | NA |
| IMPL-C | 732 | 0.4 | Y | Strong tar-like odor | NA | NA | NA |
| IMPL-D | 733 | 0.4 | Y | Strong tar-like odor | NA | NA | NA |
| IMPL-E | 736 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 738 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 740 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 741 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 742 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 744 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 747 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 748 | 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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# PID & GC Readings

| Date: 04/01/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 812 | 0.3 | Y | Tar-like odor | NA | NA | NA |
| SAM-2 | 807 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 823 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 816 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 808 | 0.4 | Y | Strong tar-like odor | NA | NA | NA |
| IMPL-C | 809 | 0.4 | Y | Strong tar-like odor | NA | NA | NA |
| IMPL-D | 810 | 0.4 | Y | Strong tar-like odor | NA | NA | NA |
| IMPL-E | 813 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 815 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 817 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 818 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 819 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 821 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 824 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 825 | 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

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

# PID & GC Readings

| Date: 04/01/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 935 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 931 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 944 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 938 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 930 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 932 | 0.4 | Y | Tar-like odor | NA | NA | NA |
| IMPL-C | 933 | 0.4 | Y | Tar-like odor | NA | NA | NA |
| IMPL-D | 934 | 0.4 | Y | Tar-like odor | NA | NA | NA |
| IMPL-E | 936 | 0.6 | Y | Tar-like odor | NA | NA | NA |
| IMPL-F | 937 | 0.4 | Y | Tar/exhaust-like odor | NA | NA | NA |
| IMPL-G | 939 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 940 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 941 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 942 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 945 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 946 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | High readings resulting from loadout of materials. |
|---|---|

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.

# PID & GC Readings

| Date: 04/01/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1005 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1001 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1014 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1008 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1000 | 0.1 | Y | Tar-like odor | NA | NA | NA |
| IMPL-B | 1002 | 0.1 | Y | Tar-like odor | NA | NA | NA |
| IMPL-C | 1003 | 0.2 | Y | Tar-like odor | NA | NA | NA |
| IMPL-D | 1004 | 0.2 | Y | Tar-like odor | NA | NA | NA |
| IMPL-E | 1006 | 0.1 | Y | Tar-like odor | NA | NA | NA |
| IMPL-F | 1007 | 0.1 | Y | Tar/exhuast-like odor | NA | NA | NA |
| IMPL-G | 1009 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1010 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1011 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1012 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1015 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1016 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | No samples taken at this time due to lightening events. |
|---|---|

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.

# PID & GC Readings

| Date: 04/01/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1105 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1101 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1114 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1108 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1100 | 0.2 | Y | Tar-like odor | NA | NA | NA |
| IMPL-B | 1102 | 0.2 | Y | Tar-like odor | NA | NA | NA |
| IMPL-C | 1103 | 0.0 | Y | Light tar-like odor | NA | NA | NA |
| IMPL-D | 1104 | 0.0 | Y | Light tar-like odor | NA | NA | NA |
| IMPL-E | 1106 | 0.0 | Y | Light tar-like odor | NA | NA | NA |
| IMPL-F | 1107 | 0.3 | N | Tar-like odor | NA | NA | NA |
| IMPL-G | 1109 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1110 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1111 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1112 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1115 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1116 | 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.

# PID & GC Readings

| Date: 04/01/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 |
| SAM-2 | 1201 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1212 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1207 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1200 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1202 | 0.0 | Y | Tar-like odor | NA | NA | NA |
| IMPL-C | 1203 | 0.2 | Y | Tar-like odor | NA | NA | NA |
| IMPL-D | 1205 | 0.2 | Y | Tar-like odor | NA | NA | NA |
| IMPL-E | 1205 | 0.4 | Y | Tar-like odor | NA | NA | NA |
| IMPL-F | 1206 | 0.1 | Y | Exhaust-like odor | NA | NA | NA |
| IMPL-G | 1208 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1209 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1211 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1213 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1214 | 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.

# PID & GC Readings

| Date: 04/01/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1336 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1332 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1350 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1341 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1330 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1333 | 0.0 | Y | Tar-like odor | NA | NA | NA |
| IMPL-C | 1334 | 0.4 | Y | Tar-like odor | NA | NA | NA |
| IMPL-D | 1334 | 0.4 | Y | Tar-like odor | NA | NA | NA |
| IMPL-E | 1338 | 0.4 | Y | Tar-like odor | NA | NA | NA |
| IMPL-F | 1340 | 0.4 | Y | Tar-like odor | NA | NA | NA |
| IMPL-G | 1342 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1343 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1344 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1346 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1352 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1353 | 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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# PID & GC Readings

| Date: 04/01/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1408 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1418 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1412 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1400 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1403 | 0.3 | Y | Tar-like odor | NA | NA | NA |
| IMPL-C | 1404 | 0.3 | Y | Tar-like odor | NA | NA | NA |
| IMPL-D | 1406 | 0.3 | Y | Tar-like odor | NA | NA | NA |
| IMPL-E | 1410 | 0.3 | y | Tar-like odor | NA | NA | NA |
| IMPL-F | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1413 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1414 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1415 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1416 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1419 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1420 | 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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# PID & GC Readings

| Date: 04/01/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 |
| SAM-2 | 1502 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1518 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1512 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1500 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1503 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1504 | 0.0 | Y | Tar-like odor | NA | NA | NA |
| IMPL-D | 1506 | 0.0 | Y | Tar-like odor | NA | NA | NA |
| IMPL-E | 1510 | 0.1 | Y | Tar-like odor | NA | NA | NA |
| IMPL-F | 1511 | 0.1 | Y | Tar-like odor | NA | NA | NA |
| IMPL-G | 1513 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1514 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1515 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1516 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1519 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1520 | 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.

# PID & GC Readings

| Date: 04/01/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (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 |
| SAM-2 | 1602 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1618 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1612 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1600 | 0.2 | Y | Tar-like odor | NA | NA | NA |
| IMPL-B | 1603 | 0.2 | Y | Tar-like odor | NA | NA | NA |
| IMPL-C | 1604 | 0.2 | Y | Tar-like odor | NA | NA | NA |
| IMPL-D | 1606 | 0.2 | Y | Tar-like odor | NA | NA | NA |
| IMPL-E | 1610 | 0.2 | Y | Tar-like odor | NA | NA | NA |
| IMPL-F | 1611 | 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 |
| IMPL-K | 1619 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1620 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | End of Day; no further readings recorded |
|---|---|

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.

# PID & GC Readings

| Date: 04/18/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1604 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1601 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1612 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1607 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1600 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1601 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1602 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1603 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1605 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1606 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1608 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1609 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1610 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1611 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1613 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1614 | 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.

# PID & GC Readings

| Date: 04/19/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 734 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 731 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 742 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 737 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 730 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 731 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 732 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 733 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 735 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 736 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 738 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 739 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 740 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 741 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 743 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 744 | 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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# PID & GC Readings

| Date: 04/19/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 804 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 801 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 812 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 807 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 800 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 801 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 802 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 803 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 806 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 808 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 809 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 810 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 811 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 813 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 814 | 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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# PID & GC Readings

| Date: 04/19/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 904 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 901 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 912 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 907 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 900 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 901 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 902 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 903 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 905 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 906 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 908 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 909 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 910 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 911 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 913 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 914 | 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.

# PID & GC Readings

| Date: 04/19/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1004 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1001 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1012 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1007 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1000 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1001 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1002 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1003 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1005 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1006 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1008 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1009 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1010 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1011 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1013 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1014 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 04/19/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, 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) | NA |
| Bump Test Concentration (ppm) | NA |

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

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

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# PID & GC Readings

| Date: 04/19/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1204 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1201 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1212 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1207 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1200 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1201 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1202 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1203 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1205 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1206 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1208 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1209 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1211 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1213 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1214 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 04/19/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1304 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1301 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1312 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1307 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1300 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1301 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1302 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1303 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1305 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1306 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1309 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1313 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1314 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 04/19/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1404 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1401 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1412 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1407 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1400 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1401 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1402 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1403 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1405 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1406 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1408 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1409 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1413 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1414 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 04/19/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1504 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1501 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1512 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1507 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1500 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1501 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1502 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1503 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1505 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1506 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1509 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1511 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1513 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1514 | 0.0 | N | NA | NA | NA | NA |

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

At the end of the day:

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# PID & GC Readings

| Date: 04/19/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1604 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1601 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1612 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1607 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1600 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1601 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1602 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1603 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1605 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1606 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1608 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1609 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1610 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1611 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1613 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1614 | 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 704 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 701 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 712 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 707 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 700 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 701 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 702 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 703 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 705 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 706 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 708 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 709 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 710 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 711 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 713 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 714 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 04/20/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 804 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 801 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 812 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 807 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 800 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 801 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 802 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 803 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 806 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 808 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 809 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 810 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 811 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 813 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 814 | 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.

# PID & GC Readings

| Date: 04/20/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 904 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 901 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 912 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 907 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 900 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 901 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 902 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 903 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 905 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 906 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 908 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 909 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 910 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 911 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 913 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 914 | 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1004 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1001 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1012 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1007 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1000 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1001 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1002 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1003 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1005 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1006 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1008 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1009 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1010 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1011 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1013 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1014 | 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1104 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1101 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1112 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1107 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1100 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1101 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1102 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1103 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1105 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1106 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1108 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1109 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1110 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1111 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1113 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1114 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 04/20/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1204 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1201 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1212 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1207 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1200 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1201 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1202 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1203 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1205 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1206 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1208 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1209 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1211 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1213 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1214 | 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1304 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1301 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1312 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1307 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1300 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1301 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1302 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1303 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1305 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1306 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1309 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1313 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1314 | 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1404 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1401 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1412 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1407 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1400 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1401 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1402 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1403 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1405 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1406 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1408 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1409 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1413 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1414 | 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 |

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

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1504 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1501 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1512 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1507 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1500 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1501 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1502 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1503 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1505 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1506 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1509 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1511 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1513 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1514 | 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1604 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1601 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1612 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1607 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1600 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1601 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1602 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1603 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1605 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1606 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1608 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1609 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1610 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1611 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1613 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1614 | 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 |

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

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 734 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 731 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 742 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 737 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 730 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 731 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 732 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 733 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 735 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 736 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 738 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 739 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 740 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 741 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 743 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 744 | 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 819 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 816 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 827 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 822 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 815 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 816 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 817 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 818 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 820 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 821 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 823 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 824 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 825 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 826 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 828 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 829 | 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.

# PID & GC Readings

| Date: 04/21/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 904 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 901 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 912 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 907 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 900 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 901 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 902 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 903 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 905 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 906 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 908 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 909 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 910 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 911 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 913 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 914 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 04/21/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1004 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1001 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1012 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1007 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1000 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1001 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1002 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1003 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1005 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1006 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1008 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1009 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1010 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1011 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1013 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1014 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 04/21/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, 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) | NA |
| Bump Test Concentration (ppm) | NA |

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

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

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# PID & GC Readings

| Date: 04/21/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1224 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1221 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1232 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1227 | 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 | 1225 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1226 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1228 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1229 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1230 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1231 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1233 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1234 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 04/21/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1304 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1301 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1312 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1307 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1300 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1301 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1302 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1303 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1305 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1306 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1309 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1313 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1314 | 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1404 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1401 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1412 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1407 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1400 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1401 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1402 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1403 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1405 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1406 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1408 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1409 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1413 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1414 | 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 |

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

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

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

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| Date: 04/21/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1604 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1601 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1612 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1607 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1600 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1601 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1602 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1603 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1605 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1606 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1608 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1609 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1610 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1611 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1613 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1614 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 04/22/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 734 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 731 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 742 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 737 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 730 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 731 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 732 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 733 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 735 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 736 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 738 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 739 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 740 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 741 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 743 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 744 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 04/22/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 804 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 801 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 812 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 807 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 800 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 801 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 802 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 803 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 806 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 808 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 809 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 810 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 811 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 813 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 814 | 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.

# PID & GC Readings

| Date: 04/22/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 904 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 901 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 912 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 907 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 900 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 901 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 902 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 903 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 905 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 906 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 908 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 909 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 910 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 911 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 913 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 914 | 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.

# PID & GC Readings

| Date: 04/22/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1004 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1001 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1012 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1007 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1000 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1001 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1002 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1003 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1005 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1006 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1008 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1009 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1010 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1011 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1013 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1014 | 0.0 | N | NA | NA | NA | NA |

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

At the end of the day:

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# PID & GC Readings

| Date: 04/22/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1104 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1101 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1112 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1107 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1100 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1101 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1102 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1103 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1105 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1106 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1108 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1109 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1110 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1111 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1113 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1114 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 04/22/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1224 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1221 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1232 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1227 | 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 | 1225 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1226 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1228 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1229 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1230 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1231 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1233 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1234 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 04/22/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1304 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1301 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1312 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1307 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1300 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1301 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1302 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1303 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1305 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1306 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1309 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1313 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1314 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 04/22/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1404 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1401 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1412 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1407 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1400 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1401 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1402 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1403 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1405 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1406 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1408 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1409 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1413 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 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 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1504 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1501 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1512 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1507 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1500 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1501 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1502 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1503 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1505 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1506 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1509 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1511 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1513 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1514 | 0.0 | N | NA | NA | NA | NA |

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

At the end of the day:

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# PID & GC Readings

| Date: 04/22/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1604 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1601 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1612 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1607 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1600 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1601 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1602 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1603 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1605 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1606 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1608 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1609 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1610 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1611 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1613 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1614 | 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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# PID & GC Readings

| Date: 04/25/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 734 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 731 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 742 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 737 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 730 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 731 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 732 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 733 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 735 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 736 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 738 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 739 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 740 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 741 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 743 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 744 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 04/25/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 804 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 801 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 812 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 807 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 800 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 801 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 802 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 803 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 806 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 808 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 809 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 810 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 811 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 813 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 814 | 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.

# PID & GC Readings

| Date: 04/25/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 904 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 901 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 912 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 907 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 900 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 901 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 902 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 903 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 905 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 906 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 908 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 909 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 910 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 911 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 913 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 914 | 0.0 | N | NA | NA | NA | NA |

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

At the end of the day:

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# PID & GC Readings

| Date: 04/25/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1004 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1001 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1012 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1007 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1000 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1001 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1002 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1003 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1005 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1006 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1008 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1009 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1010 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1011 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1013 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1014 | 0.0 | N | NA | NA | NA | NA |

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

At the end of the day:

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# PID & GC Readings

| Date: 04/25/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1104 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1101 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1112 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1107 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1100 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1101 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1102 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1103 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1105 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1106 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1108 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1109 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1110 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1111 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1113 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1114 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 04/25/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1224 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1221 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1232 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1227 | 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 | 1225 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1226 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1228 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1229 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1230 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1231 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1233 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1234 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 04/25/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1304 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1301 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1312 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1307 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1300 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1301 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1302 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1303 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1305 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1306 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1309 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1313 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1314 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 04/25/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1404 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1401 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1412 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1407 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1400 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1401 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1402 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1403 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1405 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1406 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1408 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1409 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1413 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 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 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1504 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1501 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1512 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1507 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1500 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1501 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1502 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1503 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1505 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1506 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1509 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1511 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1513 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1514 | 0.0 | N | NA | NA | NA | NA |

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

At the end of the day:

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# PID & GC Readings

| Date: 04/25/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1604 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1601 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1612 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1607 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1600 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1601 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1602 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1603 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1605 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1606 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1608 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1609 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1610 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1611 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1613 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1614 | 0.0 | N | NA | NA | NA | NA |

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

At the end of the day:

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# PID & GC Readings

| Date: 04/26/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 734 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 731 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 742 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 737 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 730 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 731 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 732 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 733 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 735 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 736 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 738 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 739 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 740 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 741 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 743 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 744 | 0.0 | N | NA | NA | NA | NA |

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

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# PID & GC Readings

| Date: 04/26/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 804 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 801 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 812 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 807 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 800 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 801 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 802 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 803 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 806 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 808 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 809 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 810 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 811 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 813 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 814 | 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.

# PID & GC Readings

| Date: 04/26/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 934 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 931 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 942 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 937 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 930 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 931 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 932 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 933 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 935 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 936 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 938 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 939 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 940 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 941 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 943 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 944 | 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

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

# PID & GC Readings

| Date: 04/26/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1004 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1001 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1012 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1007 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1000 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1001 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1002 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1003 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1005 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1006 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1008 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1009 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1010 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1011 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1013 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1014 | 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.

# PID & GC Readings

| Date: 04/26/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1104 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1101 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1112 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1107 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1100 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1101 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1102 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1103 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1105 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1106 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1108 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1109 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1110 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1111 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1113 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1114 | 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.

# PID & GC Readings

| Date: 04/26/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1224 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1221 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1232 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1227 | 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 | 1225 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1226 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1228 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1229 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1230 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1231 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1233 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1234 | 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

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# PID & GC Readings

| Date: 04/26/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1304 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1301 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1312 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1307 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1300 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1301 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1302 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1303 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1305 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1306 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1309 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1313 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1314 | 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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# PID & GC Readings

| Date: 04/26/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1404 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1401 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1412 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1407 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1400 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1401 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1402 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1403 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1405 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1406 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1408 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1409 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1413 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1414 | 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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After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

# PID & GC Readings

| Date: 04/26/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1504 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1501 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1512 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1507 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1500 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1501 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1502 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1503 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1505 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1506 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1509 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1511 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1513 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 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.

# PID & GC Readings

| Date: 04/26/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | NA | NA | NA | NA | NA | NA | NA |
| SAM-2 | NA | NA | NA | NA | NA | NA | NA |
| SAM-4 | NA | NA | NA | NA | NA | NA | NA |
| SAM-5 | NA | NA | NA | NA | NA | NA | NA |
| IMPL-A | NA | NA | NA | NA | NA | NA | NA |
| IMPL-B | NA | NA | NA | NA | NA | NA | NA |
| IMPL-C | NA | NA | NA | NA | NA | NA | NA |
| IMPL-D | NA | NA | NA | NA | NA | NA | NA |
| IMPL-E | NA | NA | NA | NA | NA | NA | NA |
| IMPL-F | NA | NA | NA | NA | NA | NA | NA |
| IMPL-G | NA | NA | NA | NA | NA | NA | NA |
| IMPL-H | NA | NA | NA | NA | NA | NA | NA |
| IMPL-I | NA | NA | NA | NA | NA | NA | NA |
| IMPL-J | NA | NA | NA | NA | NA | NA | NA |
| IMPL-K | NA | NA | NA | NA | NA | NA | NA |
| IMPL-L | NA | NA | NA | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | End of Day at 1530; no further readings |
|---|---|

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.

# PID & GC Readings

| Date: 04/27/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 734 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 731 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 742 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 737 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 730 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 731 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 732 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 733 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 735 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 736 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 738 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 739 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 740 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 741 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 743 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 744 | 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.

# PID & GC Readings

| Date: 04/27/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 804 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 801 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 812 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 807 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 800 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 801 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 802 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 803 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 806 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 808 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 809 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 810 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 811 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 813 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 814 | 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.

# PID & GC Readings

| Date: 04/27/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 934 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 931 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 942 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 937 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 930 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 931 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 932 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 933 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 935 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 936 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 938 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 939 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 940 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 941 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 943 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 944 | 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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# PID & GC Readings

| Date: 04/27/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1004 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1001 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1012 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1007 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1000 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1001 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1002 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1003 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1005 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1006 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1008 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1009 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1010 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1011 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1013 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1014 | 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.

# PID & GC Readings

| Date: 04/27/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1104 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1101 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1112 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1107 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1100 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1101 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1102 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1103 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1105 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1106 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1108 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1109 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1110 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1111 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1113 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1114 | 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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# PID & GC Readings

| Date: 04/27/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1224 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1221 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1232 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1227 | 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 | 1225 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1226 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1228 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1229 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1230 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1231 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1233 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1234 | 0.0 | N | NA | NA | NA | NA |

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

At the end of the day:

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# PID & GC Readings

| Date: 04/27/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1304 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1301 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1312 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1307 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1300 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1301 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1302 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1303 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1305 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1306 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1309 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1313 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1314 | 0.0 | N | NA | NA | NA | NA |

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

At the end of the day:

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# PID & GC Readings

| Date: 04/27/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1404 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1401 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1412 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1407 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1400 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1401 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1402 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1403 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1405 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1406 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1408 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1409 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1413 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1414 | 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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# PID & GC Readings

| Date: 04/27/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1504 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1501 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1512 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1507 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1500 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1501 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1502 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1503 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1505 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1506 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1509 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1511 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1513 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 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.

# PID & GC Readings

| Date: 04/27/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | NA | NA | NA | NA | NA | NA | NA |
| SAM-2 | NA | NA | NA | NA | NA | NA | NA |
| SAM-4 | NA | NA | NA | NA | NA | NA | NA |
| SAM-5 | NA | NA | NA | NA | NA | NA | NA |
| IMPL-A | NA | NA | NA | NA | NA | NA | NA |
| IMPL-B | NA | NA | NA | NA | NA | NA | NA |
| IMPL-C | NA | NA | NA | NA | NA | NA | NA |
| IMPL-D | NA | NA | NA | NA | NA | NA | NA |
| IMPL-E | NA | NA | NA | NA | NA | NA | NA |
| IMPL-F | NA | NA | NA | NA | NA | NA | NA |
| IMPL-G | NA | NA | NA | NA | NA | NA | NA |
| IMPL-H | NA | NA | NA | NA | NA | NA | NA |
| IMPL-I | NA | NA | NA | NA | NA | NA | NA |
| IMPL-J | NA | NA | NA | NA | NA | NA | NA |
| IMPL-K | NA | NA | NA | NA | NA | NA | NA |
| IMPL-L | NA | NA | NA | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | End of Day at 1530; no further readings |
|---|---|

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.

# PID & GC Readings

| Date: 04/28/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 734 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 731 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 742 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 737 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 730 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 731 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 732 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 733 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 735 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 736 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 738 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 739 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 740 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 741 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 743 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 744 | 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.

# PID & GC Readings

| Date: 04/28/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 804 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 801 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 812 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 807 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 800 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 801 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 802 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 803 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 806 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 808 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 809 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 810 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 811 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 813 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 814 | 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.

# PID & GC Readings

| Date: 04/28/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 934 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 931 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 942 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 937 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 930 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 931 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 932 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 933 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 935 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 936 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 938 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 939 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 940 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 941 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 943 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 944 | 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.

# PID & GC Readings

| Date: 04/28/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1004 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1001 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1012 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1007 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1000 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1001 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1002 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1003 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1005 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1006 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1008 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1009 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1010 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1011 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1013 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1014 | 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.

# PID & GC Readings

| Date: 04/28/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1104 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1101 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1112 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1107 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1100 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1101 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1102 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1103 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1105 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1106 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1108 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1109 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1110 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1111 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1113 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1114 | 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.

# PID & GC Readings

| Date: 04/28/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1224 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1221 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1232 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1227 | 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 | 1225 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1226 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1228 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1229 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1230 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1231 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1233 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1234 | 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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# PID & GC Readings

| Date: 04/28/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1304 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1301 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1312 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1307 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1300 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1301 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1302 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1303 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1305 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1306 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1309 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1313 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1314 | 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.

# PID & GC Readings

| Date: 04/28/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1404 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1401 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1412 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1407 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1400 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1401 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1402 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1403 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1405 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1406 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1408 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1409 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1413 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1414 | 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.

# PID & GC Readings

| Date: 04/28/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1504 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1501 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1512 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1507 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1500 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1501 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1502 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1503 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1505 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1506 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1509 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1511 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1513 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 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.

# PID & GC Readings

| Date: 04/28/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | NA | NA | NA | NA | NA | NA | NA |
| SAM-2 | NA | NA | NA | NA | NA | NA | NA |
| SAM-4 | NA | NA | NA | NA | NA | NA | NA |
| SAM-5 | NA | NA | NA | NA | NA | NA | NA |
| IMPL-A | NA | NA | NA | NA | NA | NA | NA |
| IMPL-B | NA | NA | NA | NA | NA | NA | NA |
| IMPL-C | NA | NA | NA | NA | NA | NA | NA |
| IMPL-D | NA | NA | NA | NA | NA | NA | NA |
| IMPL-E | NA | NA | NA | NA | NA | NA | NA |
| IMPL-F | NA | NA | NA | NA | NA | NA | NA |
| IMPL-G | NA | NA | NA | NA | NA | NA | NA |
| IMPL-H | NA | NA | NA | NA | NA | NA | NA |
| IMPL-I | NA | NA | NA | NA | NA | NA | NA |
| IMPL-J | NA | NA | NA | NA | NA | NA | NA |
| IMPL-K | NA | NA | NA | NA | NA | NA | NA |
| IMPL-L | NA | NA | NA | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | End of Day at 1530; no further readings |
|---|---|

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.

# PID & GC Readings

| Date: 04/29/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 804 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 801 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 812 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 807 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 800 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 801 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 802 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 803 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 806 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 808 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 809 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 810 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 811 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 813 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 814 | 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.

# PID & GC Readings

| Date: 04/29/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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) | #REF! |
| Bump Test Concentration (ppm) | #REF! |

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

# PID & GC Readings

| Date: 04/30/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 804 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 801 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 812 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 807 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 800 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 801 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 802 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 803 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 806 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 808 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 809 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 810 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 811 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 813 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 814 | 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.

# PID & GC Readings

| Date: 04/30/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1504 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1501 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1512 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1507 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1500 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1501 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1502 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1503 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1505 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1506 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1509 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1511 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1513 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 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.

# PID & GC Readings

| Date: 05/01/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1004 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1001 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1012 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1007 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1000 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1001 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1002 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1003 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1005 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1006 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1008 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1009 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1010 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1011 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1013 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1014 | 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.

# PID & GC Readings

| Date: 05/01/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1304 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1301 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1312 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1307 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1300 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1301 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1302 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1303 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1305 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1306 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1309 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1313 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1314 | 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.

# PID & GC Readings

| Date: 05/02/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 804 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 801 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 812 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 807 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 800 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 801 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 802 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 803 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 806 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 808 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 809 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 810 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 811 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 813 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 814 | 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.

# PID & GC Readings

| Date: 05/02/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1504 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1501 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1512 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1507 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1500 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1501 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1502 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1503 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1505 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1506 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1509 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1511 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1513 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 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.

# PID & GC Readings

| Date: 05/03/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 804 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 801 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 812 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 807 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 800 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 801 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 802 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 803 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 806 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 808 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 809 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 810 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 811 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 813 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 814 | 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.

# PID & GC Readings

| Date: 05/03/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1504 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1501 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1512 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1507 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1500 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1501 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1502 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1503 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1505 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1506 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1509 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1511 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1513 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 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.

# PID & GC Readings

| Date: 05/04/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1304 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1301 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1312 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1307 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1300 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1301 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1302 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1303 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1305 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1306 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1309 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1313 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1314 | 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.

# PID & GC Readings

| Date: 05/05/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 804 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 801 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 812 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 807 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 800 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 801 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 802 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 803 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 806 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 808 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 809 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 810 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 811 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 813 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 814 | 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.

# PID & GC Readings

| Date: 05/05/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1304 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1301 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1312 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1307 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1300 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1301 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1302 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1303 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1305 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1306 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1309 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1313 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1314 | 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.

# PID & GC Readings

| Date: 05/06/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 804 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 801 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 812 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 807 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 800 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 801 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 802 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 803 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 806 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 808 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 809 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 810 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 811 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 813 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 814 | 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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# PID & GC Readings

| Date: 05/06/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1304 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1301 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1312 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1307 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1300 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1301 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1302 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1303 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1305 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1306 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1309 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1313 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1314 | 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.

# PID & GC Readings

| Date: 05/07/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1104 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1101 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1112 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1107 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1100 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1101 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1102 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1103 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1105 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1106 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1108 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1109 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1110 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1111 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1113 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1114 | 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.

# PID & GC Readings

| Date: 05/07/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1504 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1501 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1512 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1507 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1500 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1501 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1502 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1503 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1505 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1506 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1509 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1511 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1513 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 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.

# PID & GC Readings

| Date: 05/08/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1104 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1101 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1112 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1107 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1100 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1101 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1102 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1103 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1105 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1106 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1108 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1109 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1110 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1111 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1113 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1114 | 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.

# PID & GC Readings

| Date: 05/08/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1304 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1301 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1312 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1307 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1300 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1301 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1302 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1303 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1305 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1306 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1309 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1313 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1314 | 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.

# PID & GC Readings

| Date: 05/09/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 804 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 801 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 812 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 807 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 800 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 801 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 802 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 803 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 806 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 808 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 809 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 810 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 811 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 813 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 814 | 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.

# PID & GC Readings

| Date: 05/09/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1304 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1301 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1312 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1307 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1300 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1301 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1302 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1303 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1305 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1306 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1309 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1313 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1314 | 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.

# PID & GC Readings

| Date: 05/10/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 804 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 801 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 812 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 807 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 800 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 801 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 802 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 803 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 806 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 808 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 809 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 810 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 811 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 813 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 814 | 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.

# PID & GC Readings

| Date: 05/10/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1304 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1301 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1312 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1307 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1300 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1301 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1302 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1303 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1305 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1306 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1309 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1313 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1314 | 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.

# PID & GC Readings

| Date: 05/11/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1004 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1001 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1012 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1007 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1000 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1001 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1002 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1003 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1005 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1006 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1008 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1009 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1010 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1011 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1013 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1014 | 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.

# PID & GC Readings

| Date: 05/11/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1304 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1301 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1312 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1307 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1300 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1301 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1302 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1303 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1305 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1306 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1309 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1313 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1314 | 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.

# PID & GC Readings

| Date: 05/12/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 804 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 801 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 812 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 807 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 800 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 801 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 802 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 803 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 806 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 808 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 809 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 810 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 811 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 813 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 814 | 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.

# PID & GC Readings

| Date: 05/12/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1304 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1301 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1312 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1307 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1300 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1301 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1302 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1303 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1305 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1306 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1309 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1313 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1314 | 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.

# PID & GC Readings

| Date: 05/13/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 804 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 801 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 812 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 807 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 800 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 801 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 802 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 803 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 806 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 808 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 809 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 810 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 811 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 813 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 814 | 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.

# PID & GC Readings

| Date: 05/13/2022 | Technician Name: Joshua Richards | Site: Ameren 5th Street - Champaign, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. 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 (CST) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1304 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1301 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1312 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1307 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1300 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1301 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1302 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1303 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1305 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1306 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1309 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-K | 1313 | 0.0 | N | NA | NA | NA | NA |
| IMPL-L | 1314 | 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.

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

| Date: 12/06/2021 | | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|---|

| Site Name | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| Stationary Air Monitor #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 1500 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 1501 | | |
| | Flow Verification (LPM): | 2.98 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1501 | | |
| | Flow Verification (LPM): | 2.98 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| Stationary Air Monitor #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 0840 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: MET Tower Restored: 1025 |
| As-Found | DustTrak Clock Time (CST) | 0840 | | |
| | Flow Verification (LPM): | 2.99 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0841 | | |
| | Flow Verification (LPM): | 2.99 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

| Stationary Air Monitor #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 0858 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0858 | | |
| | Flow Verification (LPM): | 3.02 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0859 | | |
| | Flow Verification (LPM): | 3.02 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| Stationary Air Monitor #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 0920 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0920 | | |
| | Flow Verification (LPM): | 2.83 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0921 | | |
| | Flow Verification (LPM): | 3.00 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| Stationary Air Monitor #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 0908 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0908 | | |
| | Flow Verification (LPM): | 2.89 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0909 | | |
| | Flow Verification (LPM): | 3.00 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

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

Before leaving site:

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
5. Lock door and gate

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

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

| Date: 12/07/2021 | | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|---|

| Site Name | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| Stationary Air Monitor #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 1500 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 1501 | | |
| | Flow Verification (LPM): | 2.98 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1501 | | |
| | Flow Verification (LPM): | 2.98 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| Stationary Air Monitor #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 0840 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: MET Tower Restored: 1025 |
| As-Found | DustTrak Clock Time (CST) | 0840 | | |
| | Flow Verification (LPM): | 2.99 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0841 | | |
| | Flow Verification (LPM): | 2.99 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

| Stationary Air Monitor #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 0858 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0858 | | |
| | Flow Verification (LPM): | 3.02 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0859 | | |
| | Flow Verification (LPM): | 3.02 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| Stationary Air Monitor #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 0920 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0920 | | |
| | Flow Verification (LPM): | 2.83 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0921 | | |
| | Flow Verification (LPM): | 3.00 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| Stationary Air Monitor #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 0908 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0908 | | |
| | Flow Verification (LPM): | 2.89 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0909 | | |
| | Flow Verification (LPM): | 3.00 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

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

Before leaving site:

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
5. Lock door and gate

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

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

| Date: 12/08/2021 | | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|---|

| Site Name | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| Stationary Air Monitor #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 1202 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 1202 | | MET Tower Restored: 1325 |
| | Flow Verification (LPM): | 3.03 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1203 | | |
| | Flow Verification (LPM): | 3.03 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| Stationary Air Monitor #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 1158 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 1158 | | |
| | Flow Verification (LPM): | 3.03 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1159 | | |
| | Flow Verification (LPM): | 3.03 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

| Stationary Air Monitor #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 1215 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? If yes, please provide alarm details. | | Yes | No | Alarm Details: N/A |
| During as-found check, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 1215 | | |
| | Flow Verification (LPM): | 3.01 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1216 | | |
| | Flow Verification (LPM): | 3.01 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| Stationary Air Monitor #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 1227 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? If yes, please provide alarm details. | | Yes | No | Alarm Details: N/A |
| During as-found check, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 1227 | | |
| | Flow Verification (LPM): | 3.02 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1228 | | |
| | Flow Verification (LPM): | 3.02 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| Stationary Air Monitor #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 1237 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? If yes, please provide alarm details. | | Yes | No | Alarm Details: N/A |
| During as-found check, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 1237 | | |
| | Flow Verification (LPM): | 3.02 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1238 | | |
| | Flow Verification (LPM): | 3.02 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

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

Before leaving site:

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
5. Lock door and gate

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

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

| Date: 12/09/2021 | | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|---|

| Site Name | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| Stationary Air Monitor #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 0845 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0845 | | |
| | Flow Verification (LPM): | 3.02 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0846 | | |
| | Flow Verification (LPM): | 3.02 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| Stationary Air Monitor #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 0847 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: MET Tower Restored: 1325 |
| As-Found | DustTrak Clock Time (CST) | 0847 | | |
| | Flow Verification (LPM): | 3.03 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0848 | | |
| | Flow Verification (LPM): | 3.03 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

| Stationary Air Monitor #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 0833 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0833 | | |
| | Flow Verification (LPM): | 3.02 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0834 | | |
| | Flow Verification (LPM): | 3.02 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| Stationary Air Monitor #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 0917 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0917 | | |
| | Flow Verification (LPM): | 3.04 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1228 | | |
| | Flow Verification (LPM): | 3.04 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| Stationary Air Monitor #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 0907 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0907 | | |
| | Flow Verification (LPM): | 3.00 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0908 | | |
| | Flow Verification (LPM): | 3.00 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

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

Before leaving site:

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
5. Lock door and gate

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

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

| Date: 12/10/2021 | | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|---|

| Site Name | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

## Stationary Air Monitor #1

| | | | | |
|---|---|---|---|---|
| **Time (CST)** | | 0805 | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0805 | | MET Tower Restored: 0808 |
| | Flow Verification (LPM): | 3.13 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0806 | | |
| | Flow Verification (LPM): | 3.02 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

## Stationary Air Monitor #3

| | | | | |
|---|---|---|---|---|
| **Time (CST)** | | 0810 | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0810 | | MET Tower Restored: 1325 |
| | Flow Verification (LPM): | 3.09 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0811 | | |
| | Flow Verification (LPM): | 3.01 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

| Stationary Air Monitor #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 0748 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0748 | | |
| | Flow Verification (LPM): | 3.09 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0749 | | |
| | Flow Verification (LPM): | 3.01 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| Stationary Air Monitor #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 0837 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0837 | | |
| | Flow Verification (LPM): | 3.08 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0838 | | |
| | Flow Verification (LPM): | 3.00 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| Stationary Air Monitor #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 0827 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0827 | | |
| | Flow Verification (LPM): | 3.06 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0828 | | |
| | Flow Verification (LPM): | 3.00 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

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

Before leaving site:

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
5. Lock door and gate

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

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

| Date: 12/11/2021 | | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|---|

| Site Name | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

## Stationary Air Monitor #1

| | | | | |
|---|---|---|---|---|
| **Time (CST)** | | 1105 | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 1105 | | MET Tower Restored: 1110 |
| | Flow Verification (LPM): | 3.03 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1106 | | |
| | Flow Verification (LPM): | 3.03 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

## Stationary Air Monitor #3

| | | | | |
|---|---|---|---|---|
| **Time (CST)** | | 1100 | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 1100 | | |
| | Flow Verification (LPM): | 2.94 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1101 | | |
| | Flow Verification (LPM): | 3.00 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

| Stationary Air Monitor #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 1023 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 1023 | | |
| | Flow Verification (LPM): | 3.03 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1024 | | |
| | Flow Verification (LPM): | 3.03 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| Stationary Air Monitor #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 1125 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 1125 | | |
| | Flow Verification (LPM): | 2.98 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1126 | | |
| | Flow Verification (LPM): | 3.01 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| Stationary Air Monitor #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 1115 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 1115 | | |
| | Flow Verification (LPM): | 2.94 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1116 | | |
| | Flow Verification (LPM): | 3.00 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

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

Before leaving site:

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
5. Lock door and gate

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

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

| Date: 12/12/2021 | | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|---|

| Site Name | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| Stationary Air Monitor #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 1019 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 1019 | | MET Tower Restored: 1025 |
| | Flow Verification (LPM): | 3.06 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1020 | | |
| | Flow Verification (LPM): | 3.00 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| Stationary Air Monitor #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 1014 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 1014 | | |
| | Flow Verification (LPM): | 3.06 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1015 | | |
| | Flow Verification (LPM): | 3.00 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

| Stationary Air Monitor #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 1003 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 1003 | | |
| | Flow Verification (LPM): | 2.99 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1004 | | |
| | Flow Verification (LPM): | 2.99 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| Stationary Air Monitor #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 1036 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 1036 | | |
| | Flow Verification (LPM): | 3.02 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1037 | | |
| | Flow Verification (LPM): | 3.02 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| Stationary Air Monitor #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 1028 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 1028 | | |
| | Flow Verification (LPM): | 3.06 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1029 | | |
| | Flow Verification (LPM): | 3.00 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

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

Before leaving site:

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
5. Lock door and gate

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

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

| Date: 12/13/2021 | | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|---|

| Site Name | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

## Stationary Air Monitor #1

| | | | | |
|---|---|---|---|---|
| **Time (CST)** | | 0843 | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0843 | | MET Tower Restored: 1025 |
| | Flow Verification (LPM): | 3.07 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0844 | | |
| | Flow Verification (LPM): | 3.00 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

## Stationary Air Monitor #3

| | | | | |
|---|---|---|---|---|
| **Time (CST)** | | 0835 | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0835 | | |
| | Flow Verification (LPM): | 3.07 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0836 | | |
| | Flow Verification (LPM): | 2.99 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

| Stationary Air Monitor #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 0825 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0825 | | |
| | Flow Verification (LPM): | 3.05 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0824 | | |
| | Flow Verification (LPM): | 3.00 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| Stationary Air Monitor #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 0900 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0900 | | |
| | Flow Verification (LPM): | 3.07 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0901 | | |
| | Flow Verification (LPM): | 3.02 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| Stationary Air Monitor #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 0853 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0853 | | |
| | Flow Verification (LPM): | 2.98 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0854 | | |
| | Flow Verification (LPM): | 3.01 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

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

Before leaving site:

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
5. Lock door and gate

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

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

| Date: 12/14/2021 | | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|---|

| Site Name | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| Stationary Air Monitor #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 0913 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0913 | | MET Tower Restored: 0916 |
| | Flow Verification (LPM): | 2.99 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0914 | | |
| | Flow Verification (LPM): | 2.99 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| Stationary Air Monitor #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 0903 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0903 | | |
| | Flow Verification (LPM): | 2.94 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0904 | | |
| | Flow Verification (LPM): | 3.02 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

| Stationary Air Monitor #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 0853 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0853 | | |
| | Flow Verification (LPM): | 2.94 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0854 | | |
| | Flow Verification (LPM): | 3.00 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| Stationary Air Monitor #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 0924 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0924 | | |
| | Flow Verification (LPM): | 3.00 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0925 | | |
| | Flow Verification (LPM): | 3.00 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| Stationary Air Monitor #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 0930 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0930 | | |
| | Flow Verification (LPM): | 3.01 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0931 | | |
| | Flow Verification (LPM): | 3.01 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

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

Before leaving site:

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
5. Lock door and gate

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

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

| Date: 12/15/2021 | | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|---|

| Site Name | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| Stationary Air Monitor #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 1210 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 1210 | | MET Tower Restored: 0916 |
| | Flow Verification (LPM): | 2.95 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1211 | | |
| | Flow Verification (LPM): | 3.00 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| Stationary Air Monitor #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 1200 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 1200 | | |
| | Flow Verification (LPM): | 2.96 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1201 | | |
| | Flow Verification (LPM): | 3.01 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

| Stationary Air Monitor #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 1510 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? If yes, please provide alarm details. | | Yes | No | Alarm Details: N/A |
| During as-found check, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 1510 | | |
| | Flow Verification (LPM): | 2.92 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1511 | | |
| | Flow Verification (LPM): | 3.01 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| Stationary Air Monitor #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 1505 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? If yes, please provide alarm details. | | Yes | No | Alarm Details: N/A |
| During as-found check, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: Battery from SAM4 is being used in a battery longevity test. |
| As-Found | DustTrak Clock Time (CST) | 1505 | | |
| | Flow Verification (LPM): | 2.99 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1506 | | |
| | Flow Verification (LPM): | 2.99 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| Stationary Air Monitor #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 1456 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? If yes, please provide alarm details. | | Yes | No | Alarm Details: N/A |
| During as-found check, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 1456 | | |
| | Flow Verification (LPM): | 3.02 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1457 | | |
| | Flow Verification (LPM): | 3.02 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

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

Before leaving site:

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
5. Lock door and gate

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

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

| Date: 12/16/2021 | | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|---|

| Site Name | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

## Stationary Air Monitor #1

| | | | | |
|---|---|---|---|---|
| **Time (CST)** | | 1357 | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | [Yes] | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | [No] | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | [No] | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 1357 | | MET Tower Restored: 0916 |
| | Flow Verification (LPM): | 3.08 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1358 | | |
| | Flow Verification (LPM): | 2.99 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | [Yes] | No | |
| Fastened instrument cabinets and locked security fencing? | | [Yes] | No | |

## Stationary Air Monitor #3

| | | | | |
|---|---|---|---|---|
| **Time (CST)** | | 1355 | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | [Yes] | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | [No] | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | [No] | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 1355 | | |
| | Flow Verification (LPM): | 3.10 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1356 | | |
| | Flow Verification (LPM): | 3.0 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | [Yes] | No | |
| Fastened instrument cabinets and locked security fencing? | | [Yes] | No | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

## Stationary Air Monitor #2

| | | | | |
|---|---|---|---|---|
| **Time (CST)** | | 1410 | | |
| Is site free of damage or vandalism? | | [Yes] | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | [No] | |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | [No] | |
| As-Found | DustTrak Clock Time (CST) | 1410 | | |
| | Flow Verification (LPM): | 2.52 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1411 | | |
| | Flow Verification (LPM): | 3.00 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | [Yes] | No | |
| Fastened instrument cabinets and locked security fencing? | | [Yes] | No | |

Observations (Site Conditions, Equipment Conditions, etc.):

Alarm Details: N/A

Additional Comments:

## Stationary Air Monitor #4

| | | | | |
|---|---|---|---|---|
| **Time (CST)** | | 1405 | | |
| Is site free of damage or vandalism? | | [Yes] | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | [No] | |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | [No] | |
| As-Found | DustTrak Clock Time (CST) | 1405 | | |
| | Flow Verification (LPM): | 2.97 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1406 | | |
| | Flow Verification (LPM): | 2.97 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | [No] | |
| Fastened instrument cabinets and locked security fencing? | | [Yes] | No | |

Observations (Site Conditions, Equipment Conditions, etc.):

Alarm Details: N/A

Additional Comments:

Battery from SAM4 is being used in a battery longevity test.

## Stationary Air Monitor #5

| | | | | |
|---|---|---|---|---|
| **Time (CST)** | | 1400 | | |
| Is site free of damage or vandalism? | | [Yes] | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | [No] | |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | [No] | |
| As-Found | DustTrak Clock Time (CST) | 1400 | | |
| | Flow Verification (LPM): | 3.02 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1401 | | |
| | Flow Verification (LPM): | 2.97 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | [Yes] | No | |
| Fastened instrument cabinets and locked security fencing? | | [Yes] | No | |

Observations (Site Conditions, Equipment Conditions, etc.):

Alarm Details: N/A

Additional Comments:

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

Before leaving site:

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
5. Lock door and gate

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

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

| Date: 12/17/2021 | | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|---|

| Site Name | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| Stationary Air Monitor #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 0833 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0833 | | MET Tower Restored |
| | Flow Verification (LPM): | 3.06 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0835 | | |
| | Flow Verification (LPM): | 3.00 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| Stationary Air Monitor #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 0832 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0832 | | |
| | Flow Verification (LPM): | 3.14 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0833 | | |
| | Flow Verification (LPM): | 3.00 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| Stationary Air Monitor #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 0848 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0848 | | |
| | Flow Verification (LPM): | 3.60 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0849 | | |
| | Flow Verification (LPM): | 2.99 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| Stationary Air Monitor #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 0842 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0842 | | |
| | Flow Verification (LPM): | 2.94 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0843 | | |
| | Flow Verification (LPM): | 3.00 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| Stationary Air Monitor #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 0837 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0837 | | |
| | Flow Verification (LPM): | 3.07 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0838 | | |
| | Flow Verification (LPM): | 3.00 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

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

Before leaving site:

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
5. Lock door and gate

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

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

| Date: 12/20/2021 | | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|---|

| Site Name | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| Stationary Air Monitor #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 1010 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 1010 | | MET Tower Restored |
| | Flow Verification (LPM): | 3.01 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1011 | | |
| | Flow Verification (LPM): | 3.01 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| Stationary Air Monitor #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 0723 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0723 | | |
| | Flow Verification (LPM): | 3.01 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0724 | | |
| | Flow Verification (LPM): | 3.01 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

## Stationary Air Monitor #2

| | | | |
|---|---|---|---|
| **Time (CST)** | | 0737 | |
| Is site free of damage or vandalism? | | Yes | No |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No |
| As-Found | DustTrak Clock Time (CST) | 0737 | |
| | Flow Verification (LPM): | 3.05 LPM | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0738 | |
| | Flow Verification (LPM): | 2.99 LPM | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No |
| Fastened instrument cabinets and locked security fencing? | | Yes | No |

Observations (Site Conditions, Equipment Conditions, etc.):

Alarm Details: N/A

Additional Comments:

## Stationary Air Monitor #4

| | | | |
|---|---|---|---|
| **Time (CST)** | | 0755 | |
| Is site free of damage or vandalism? | | Yes | No |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No |
| As-Found | DustTrak Clock Time (CST) | 0755 | |
| | Flow Verification (LPM): | 3.00 LPM | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0755 | |
| | Flow Verification (LPM): | 3.00 LPM | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No |
| Fastened instrument cabinets and locked security fencing? | | Yes | No |

Observations (Site Conditions, Equipment Conditions, etc.):

Alarm Details: N/A

Additional Comments:

Battery from SAM4 is being used in a battery longevity test.

## Stationary Air Monitor #5

| | | | |
|---|---|---|---|
| **Time (CST)** | | 0802 | |
| Is site free of damage or vandalism? | | Yes | No |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No |
| As-Found | DustTrak Clock Time (CST) | 0802 | |
| | Flow Verification (LPM): | 2.83 LPM | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0803 | |
| | Flow Verification (LPM): | 3.01 LPM | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No |
| Fastened instrument cabinets and locked security fencing? | | Yes | No |

Observations (Site Conditions, Equipment Conditions, etc.):

Alarm Details: N/A

Additional Comments:

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

Before leaving site:

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
5. Lock door and gate

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

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

| Date: 12/21/2021 | | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|---|

| Site Name | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| Stationary Air Monitor #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 0720 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? If yes, please provide alarm details. | | Yes | No | Alarm Details: N/A |
| During as-found check, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0720 | | MET Tower Restored |
| | Flow Verification (LPM): | 2.95 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0721 | | |
| | Flow Verification (LPM): | 3.00 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| Stationary Air Monitor #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 0730 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? If yes, please provide alarm details. | | Yes | No | Alarm Details: N/A |
| During as-found check, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0730 | | |
| | Flow Verification (LPM): | 2.92 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0731 | | |
| | Flow Verification (LPM): | 2.99 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

| Stationary Air Monitor #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 0710 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0710 | | |
| | Flow Verification (LPM): | 3.03 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0711 | | |
| | Flow Verification (LPM): | 3.03 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| Stationary Air Monitor #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 0740 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0740 | | |
| | Flow Verification (LPM): | 3.18 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0741 | | |
| | Flow Verification (LPM): | 3.00 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| Stationary Air Monitor #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 0800 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0800 | | |
| | Flow Verification (LPM): | 3.20 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0801 | | |
| | Flow Verification (LPM): | 3.01 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

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

Before leaving site:

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
5. Lock door and gate

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

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

| Date: 12/22/2021 | | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|---|

| Site Name | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| Stationary Air Monitor #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 0941 | | |
| Is site free of damage or vandalism? | | [Yes] | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | [No] | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | [Yes] | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0941 | | AC hard-line into main power |
| | Flow Verification (LPM): | 3.02 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0942 | | |
| | Flow Verification (LPM): | 3.02 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | [No] | |
| Fastened instrument cabinets and locked security fencing? | | [Yes] | No | |

| Stationary Air Monitor #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 0940 | | |
| Is site free of damage or vandalism? | | [Yes] | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | [No] | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | [Yes] | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0940 | | AC hard-line into main power |
| | Flow Verification (LPM): | 3.00 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0941 | | |
| | Flow Verification (LPM): | 3.00 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | [No] | |
| Fastened instrument cabinets and locked security fencing? | | [Yes] | No | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

## Stationary Air Monitor #2

| | | | | |
|---|---|---|---|---|
| **Time (CST)** | | 0937 | | |
| Is site free of damage or vandalism? | | [Yes] | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | [No] | |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | [Yes] | No | |
| As-Found | DustTrak Clock Time (CST) | 0937 | | |
| | Flow Verification (LPM): | 3.09 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0938 | | |
| | Flow Verification (LPM): | 3.01 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | [No] | |
| Fastened instrument cabinets and locked security fencing? | | [Yes] | No | |

Observations (Site Conditions, Equipment Conditions, etc.):

Alarm Details: N/A

Additional Comments:

Solars panels installed, no battery swap

## Stationary Air Monitor #4

| | | | | |
|---|---|---|---|---|
| **Time (CST)** | | 0950 | | |
| Is site free of damage or vandalism? | | [Yes] | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | [No] | |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | [Yes] | No | |
| As-Found | DustTrak Clock Time (CST) | 0950 | | |
| | Flow Verification (LPM): | 2.90 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0952 | | |
| | Flow Verification (LPM): | 3.00 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | [No] | |
| Fastened instrument cabinets and locked security fencing? | | [Yes] | No | |

Observations (Site Conditions, Equipment Conditions, etc.):

Alarm Details: N/A

Additional Comments:

Solars panels installed, no battery swap

## Stationary Air Monitor #5

| | | | | |
|---|---|---|---|---|
| **Time (CST)** | | 0943 | | |
| Is site free of damage or vandalism? | | [Yes] | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | [No] | |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | [Yes] | No | |
| As-Found | DustTrak Clock Time (CST) | 0943 | | |
| | Flow Verification (LPM): | 3.20 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0944 | | |
| | Flow Verification (LPM): | 3.02 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | [No] | |
| Fastened instrument cabinets and locked security fencing? | | [Yes] | No | |

Observations (Site Conditions, Equipment Conditions, etc.):

Alarm Details: N/A

Additional Comments:

Solars panels installed, no battery swap

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

Before leaving site:

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
5. Lock door and gate

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

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

| Date: 12/23/2021 | | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|---|

| Site Name | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| Stationary Air Monitor #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 0909 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0850 | | AC hard-line into main power |
| | Flow Verification (LPM): | 3.07 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0851 | | |
| | Flow Verification (LPM): | 3.01 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| Stationary Air Monitor #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 0909 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0845 | | AC hard-line into main power |
| | Flow Verification (LPM): | 3.05 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0846 | | |
| | Flow Verification (LPM): | 3.02 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

| Stationary Air Monitor #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 0909 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0900 | | Solars panels installed, no battery swap |
| | Flow Verification (LPM): | 2.90 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0901 | | |
| | Flow Verification (LPM): | 3.00 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| Stationary Air Monitor #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 0909 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0857 | | Solars panels installed, no battery swap |
| | Flow Verification (LPM): | 2.94 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0858 | | |
| | Flow Verification (LPM): | 3.00 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| Stationary Air Monitor #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 0909 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0855 | | Solars panels installed, no battery swap |
| | Flow Verification (LPM): | 3.10 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0944 | | |
| | Flow Verification (LPM): | 3.03 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

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

Before leaving site:

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
5. Lock door and gate

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

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

| Date: 12/23/2021 | | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|---|

| Site Name | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| Stationary Air Monitor #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 0830 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0830 | | AC hard-line into main power |
| | Flow Verification (LPM): | 2.90 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0831 | | |
| | Flow Verification (LPM): | 3.01 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| Stationary Air Monitor #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 0835 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0835 | | AC hard-line into main power |
| | Flow Verification (LPM): | 2.85 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0836 | | |
| | Flow Verification (LPM): | 3.00 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

## Stationary Air Monitor #2

| | | | | |
|---|---|---|---|---|
| **Time (CST)** | | 0816 | | |
| Is site free of damage or vandalism? | | [Yes] | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | [No] | |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | [No] | |
| As-Found | DustTrak Clock Time (CST) | 0816 | | |
| | Flow Verification (LPM): | 2.97 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0817 | | |
| | Flow Verification (LPM): | 3.02 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | [No] | |
| Fastened instrument cabinets and locked security fencing? | | [Yes] | No | |

Observations (Site Conditions, Equipment Conditions, etc.):

Alarm Details: N/A

Additional Comments:

Solars panels installed, no battery swap

## Stationary Air Monitor #4

| | | | | |
|---|---|---|---|---|
| **Time (CST)** | | 0808 | | |
| Is site free of damage or vandalism? | | [Yes] | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | [No] | |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | [No] | |
| As-Found | DustTrak Clock Time (CST) | 0808 | | |
| | Flow Verification (LPM): | 3.01 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0808 | | |
| | Flow Verification (LPM): | 3.01 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | [No] | |
| Fastened instrument cabinets and locked security fencing? | | [Yes] | No | |

Observations (Site Conditions, Equipment Conditions, etc.):

Alarm Details: N/A

Additional Comments:

Solars panels installed, no battery swap

## Stationary Air Monitor #5

| | | | | |
|---|---|---|---|---|
| **Time (CST)** | | 0755 | | |
| Is site free of damage or vandalism? | | [Yes] | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | [No] | |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | [No] | |
| As-Found | DustTrak Clock Time (CST) | 0755 | | |
| | Flow Verification (LPM): | 2.94 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0756 | | |
| | Flow Verification (LPM): | 3.00 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | [No] | |
| Fastened instrument cabinets and locked security fencing? | | [Yes] | No | |

Observations (Site Conditions, Equipment Conditions, etc.):

Alarm Details: N/A

Additional Comments:

Solars panels installed, no battery swap

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

Before leaving site:

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
5. Lock door and gate

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

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

| Date: 12/28/2021 | | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|---|

| Site Name | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| Stationary Air Monitor #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 0845 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0755 | | AC hard-line into main power |
| | Flow Verification (LPM): | 3.14 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0756 | | |
| | Flow Verification (LPM): | 3.00 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| Stationary Air Monitor #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 0845 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0750 | | AC hard-line into main power |
| | Flow Verification (LPM): | 3.12 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0751 | | |
| | Flow Verification (LPM): | 3.00 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

## Stationary Air Monitor #2

| | | | | |
|---|---|---|---|---|
| **Time (CST)** | | 0845 | | |
| Is site free of damage or vandalism? | | [Yes] | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | [No] | |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | [No] | |
| As-Found | DustTrak Clock Time (CST) | 0833 | | |
| | Flow Verification (LPM): | 3.04 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0833 | | |
| | Flow Verification (LPM): | 3.04 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | [No] | |
| Fastened instrument cabinets and locked security fencing? | | [Yes] | No | |

Observations (Site Conditions, Equipment Conditions, etc.):

Alarm Details: N/A

Additional Comments:

Solars panels installed, no battery swap

## Stationary Air Monitor #4

| | | | | |
|---|---|---|---|---|
| **Time (CST)** | | 0845 | | |
| Is site free of damage or vandalism? | | [Yes] | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | [No] | |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | [No] | |
| As-Found | DustTrak Clock Time (CST) | 0820 | | |
| | Flow Verification (LPM): | 3.03 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0820 | | |
| | Flow Verification (LPM): | 3.03 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | [No] | |
| Fastened instrument cabinets and locked security fencing? | | [Yes] | No | |

Observations (Site Conditions, Equipment Conditions, etc.):

Alarm Details: N/A

Additional Comments:

Solars panels installed, no battery swap

## Stationary Air Monitor #5

| | | | | |
|---|---|---|---|---|
| **Time (CST)** | | 0845 | | |
| Is site free of damage or vandalism? | | [Yes] | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | [No] | |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | [No] | |
| As-Found | DustTrak Clock Time (CST) | 0813 | | |
| | Flow Verification (LPM): | 2.85 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0815 | | |
| | Flow Verification (LPM): | 3.03 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | [No] | |
| Fastened instrument cabinets and locked security fencing? | | [Yes] | No | |

Observations (Site Conditions, Equipment Conditions, etc.):

Alarm Details: N/A

Additional Comments:

Solars panels installed. Battery died sometime in the night: battery swapped with full charge

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

Before leaving site:

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
5. Lock door and gate

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

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

| Date: 12/29/2021 | | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|---|

| Site Name | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| Stationary Air Monitor #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 1100 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0845 | | AC hard-line into main power |
| | Flow Verification (LPM): | 2.99 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0846 | | |
| | Flow Verification (LPM): | 2.99 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| Stationary Air Monitor #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 1100 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0837 | | AC hard-line into main power |
| | Flow Verification (LPM): | 2.95 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0838 | | |
| | Flow Verification (LPM): | 2.99 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

## Stationary Air Monitor #2

| | | | | |
|---|---|---|---|---|
| **Time (CST)** | | 1100 | | |
| Is site free of damage or vandalism? | | [Yes] | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | [No] | |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | [Yes] | No | |
| As-Found | DustTrak Clock Time (CST) | 0930 | | |
| | Flow Verification (LPM): | 3.00 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0931 | | |
| | Flow Verification (LPM): | 3.00 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | [No] | |
| Fastened instrument cabinets and locked security fencing? | | [Yes] | No | |

Observations (Site Conditions, Equipment Conditions, etc.):

Alarm Details: N/A

Additional Comments:

Solars panels installed, no battery swap

## Stationary Air Monitor #4

| | | | | |
|---|---|---|---|---|
| **Time (CST)** | | 1100 | | |
| Is site free of damage or vandalism? | | [Yes] | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | [No] | |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | [Yes] | No | |
| As-Found | DustTrak Clock Time (CST) | 0925 | | |
| | Flow Verification (LPM): | 3.00 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0926 | | |
| | Flow Verification (LPM): | 3.00 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | [No] | |
| Fastened instrument cabinets and locked security fencing? | | [Yes] | No | |

Observations (Site Conditions, Equipment Conditions, etc.):

Alarm Details: N/A

Additional Comments:

Solars panels installed, no battery swap

## Stationary Air Monitor #5

| | | | | |
|---|---|---|---|---|
| **Time (CST)** | | 1100 | | |
| Is site free of damage or vandalism? | | [Yes] | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | [No] | |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | [Yes] | No | |
| As-Found | DustTrak Clock Time (CST) | 0855 | | |
| | Flow Verification (LPM): | 3.13 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0856 | | |
| | Flow Verification (LPM): | 3.00 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | [No] | |
| Fastened instrument cabinets and locked security fencing? | | [Yes] | No | |

Observations (Site Conditions, Equipment Conditions, etc.):

Alarm Details: N/A

Additional Comments:

Solars panels installed. Battery died sometime in the night: battery swapped with full charge

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

Before leaving site:

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
5. Lock door and gate

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

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

| Date: 12/30/2021 | | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|---|

| Site Name | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| Stationary Air Monitor #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 0818 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? If yes, please provide alarm details. | | Yes | No | Alarm Details: N/A |
| During as-found check, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0818 | | AC hard-line into main power |
| | Flow Verification (LPM): | 3.07 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0819 | | |
| | Flow Verification (LPM): | 3.00 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| Stationary Air Monitor #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 0815 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? If yes, please provide alarm details. | | Yes | No | Alarm Details: N/A |
| During as-found check, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 0815 | | AC hard-line into main power |
| | Flow Verification (LPM): | 3.00 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0815 | | |
| | Flow Verification (LPM): | 3.00 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

## Stationary Air Monitor #2

| | | | | |
|---|---|---|---|---|
| **Time (CST)** | | 0811 | | |
| Is site free of damage or vandalism? | | [Yes] | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | [No] | |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | [No] | |
| As-Found | DustTrak Clock Time (CST) | 0811 | | |
| | Flow Verification (LPM): | 3.17 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0812 | | |
| | Flow Verification (LPM): | 3.00 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | [No] | |
| Fastened instrument cabinets and locked security fencing? | | [Yes] | No | |

Observations (Site Conditions, Equipment Conditions, etc.):

Alarm Details: N/A

Additional Comments:

Solars panels installed, no battery swap

## Stationary Air Monitor #4

| | | | | |
|---|---|---|---|---|
| **Time (CST)** | | 0830 | | |
| Is site free of damage or vandalism? | | [Yes] | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | [No] | |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | [No] | |
| As-Found | DustTrak Clock Time (CST) | 0830 | | |
| | Flow Verification (LPM): | 3.07 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0831 | | |
| | Flow Verification (LPM): | 3.00 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | [No] | |
| Fastened instrument cabinets and locked security fencing? | | [Yes] | No | |

Observations (Site Conditions, Equipment Conditions, etc.):

Alarm Details: N/A

Additional Comments:

Solars panels installed, no battery swap

## Stationary Air Monitor #5

| | | | | |
|---|---|---|---|---|
| **Time (CST)** | | 0821 | | |
| Is site free of damage or vandalism? | | [Yes] | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | [No] | |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | [No] | |
| As-Found | DustTrak Clock Time (CST) | 0821 | | |
| | Flow Verification (LPM): | 3.09 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0822 | | |
| | Flow Verification (LPM): | 2.99 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | [No] | |
| Fastened instrument cabinets and locked security fencing? | | [Yes] | No | |

Observations (Site Conditions, Equipment Conditions, etc.):

Alarm Details: N/A

Additional Comments:

Solars panels installed

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

Before leaving site:

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
5. Lock door and gate

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

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

| Date: 01/03/2022 | | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|---|

| Site Name | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| Stationary Air Monitor #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 1350 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? If yes, please provide alarm details. | | Yes | No | Alarm Details: N/A |
| During as-found check, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 1350 | | AC hard-line into main power. Changed time on SAM#1 |
| | Flow Verification (LPM): | 2.88 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1351 | | |
| | Flow Verification (LPM): | 3.00 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| Stationary Air Monitor #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 1340 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? If yes, please provide alarm details. | | Yes | No | Alarm Details: N/A |
| During as-found check, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 1340 | | AC hard-line into main power. Changed time on SAM#3. |
| | Flow Verification (LPM): | 2.85 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1341 | | |
| | Flow Verification (LPM): | 3.00 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

| Stationary Air Monitor #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 1330 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 1330 | | Swapped battery on 1/3 |
| | Flow Verification (LPM): | 3.00 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1330 | | |
| | Flow Verification (LPM): | 3.00 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| Stationary Air Monitor #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 1420 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 1420 | | Swapped battery on 1/3 |
| | Flow Verification (LPM): | 2.90 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1421 | | |
| | Flow Verification (LPM): | 3.00 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| Stationary Air Monitor #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST) | | 1409 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| As-Found | DustTrak Clock Time (CST) | 1409 | | Swapped battery on 1/3 |
| | Flow Verification (LPM): | 2.86 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1410 | | |
| | Flow Verification (LPM): | 3.01 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

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

Before leaving site:

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
5. Lock door and gate

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

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

| Date: 01/04/2022 | | Technician: Marshall Arendell | Site: Ameren - Champaign, IL |
|---|---|---|---|

| Site Name | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

## Stationary Air Monitor #1

| | | | | |
|---|---|---|---|---|
| **Time (CST)** | | 1042 | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | [Yes] | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | [No] | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | [Yes] | No | Additional Comments: Applied impactor oil @ 1041 (sn=6002065) |
| As-Found | DustTrak Clock Time (CST) | 1042 | | |
| | Flow Verification (LPM): | 3.01 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | | | |
| | Flow Verification (LPM): | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | [No] | |
| Fastened instrument cabinets and locked security fencing? | | [Yes] | No | |

## Stationary Air Monitor #3

| | | | | |
|---|---|---|---|---|
| **Time (CST)** | | 1039 | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | [Yes] | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | [No] | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | [Yes] | No | Additional Comments: Applied impactor oil @ 1038 (sn=6002065) |
| As-Found | DustTrak Clock Time (CST) | 1039 | | |
| | Flow Verification (LPM): | 3.07 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1040 | | |
| | Flow Verification (LPM): | 3.01 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | [No] | |
| Fastened instrument cabinets and locked security fencing? | | [Yes] | No | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

## Stationary Air Monitor #2

| | | | | |
|---|---|---|---|---|
| **Time (CST)** | | 1030 | | |
| Is site free of damage or vandalism? | | [Yes] | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | [No] | |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | [No] | |
| As-Found | DustTrak Clock Time (CST) | 1030 | | |
| | Flow Verification (LPM): | 3.14 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1031 | | |
| | Flow Verification (LPM): | 3.01 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | [No] | |
| Fastened instrument cabinets and locked security fencing? | | [Yes] | No | |

Observations (Site Conditions, Equipment Conditions, etc.):

Alarm Details: N/A

Additional Comments:

Applied impactor oil @ 1029 (sn=6002065)

## Stationary Air Monitor #4

| | | | | |
|---|---|---|---|---|
| **Time (CST)** | | 1056 | | |
| Is site free of damage or vandalism? | | [Yes] | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | [No] | |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | [No] | |
| As-Found | DustTrak Clock Time (CST) | 1056 | | |
| | Flow Verification (LPM): | 3.01 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | | | |
| | Flow Verification (LPM): | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | [No] | |
| Fastened instrument cabinets and locked security fencing? | | [Yes] | No | |

Observations (Site Conditions, Equipment Conditions, etc.):

Alarm Details: N/A

Additional Comments:

Applied impactor oil @ 1055 (sn=6002065)

## Stationary Air Monitor #5

| | | | | |
|---|---|---|---|---|
| **Time (CST)** | | 1048 | | |
| Is site free of damage or vandalism? | | [Yes] | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | [No] | |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | [No] | |
| As-Found | DustTrak Clock Time (CST) | 1048 | | |
| | Flow Verification (LPM): | 3.08 LPM | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1049 | | |
| | Flow Verification (LPM): | 3.01 LPM | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | [No] | |
| Fastened instrument cabinets and locked security fencing? | | [Yes] | No | |

Observations (Site Conditions, Equipment Conditions, etc.):

Alarm Details: N/A

Additional Comments:

Applied impactor oil @ 1047 (sn=6002065)

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 01/17/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0819 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check,** was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0819 | | | | |
| | Flow Verification (LPM): | 2.80 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0820 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0810 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check,** was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0813 | | | | |
| | Flow Verification (LPM): | 2.90 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0814 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0757 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check,** was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0804 | | | | |
| | Flow Verification (LPM): | 3.10 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0805 | | | | |
| | Flow Verification (LPM): | 3.02 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0836 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check,** was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0836 | | | | |
| | Flow Verification (LPM): | 2.85 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0837 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0826 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check,** was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0830 | | | | |
| | Flow Verification (LPM): | 2.80 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0831 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 01/18/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1146 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0800 | | | | |
| | Flow Verification (LPM): | 3.10 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0801 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1147 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0757 | | | | |
| | Flow Verification (LPM): | 3.10 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0758 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1148 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0753 | | | | |
| | Flow Verification (LPM): | 3.15 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0754 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1149 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0806 | | | | |
| | Flow Verification (LPM): | 3.22 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0807 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1150 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | DustTrak scheduled for calibration 01/27/2022 | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0803 | | | | |
| | Flow Verification (LPM): | 3.07 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0804 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 01/19/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0943 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check,** was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0817 | | | | |
| | Flow Verification (LPM): | 2.98 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0817 | | | | |
| | Flow Verification (LPM): | 2.98 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0945 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check,** was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0810 | | | | |
| | Flow Verification (LPM): | 2.98 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0810 | | | | |
| | Flow Verification (LPM): | 2.98 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0946 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check,** was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0803 | | | | |
| | Flow Verification (LPM): | 2.90 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0804 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0946 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check,** was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0835 | | | | |
| | Flow Verification (LPM): | 3.21 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0836 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0947 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | Calibration due by 01/27/2022 | N/A |
| **During as-found check,** was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0827 | | | | |
| | Flow Verification (LPM): | 3.24 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0828 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 01/20/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0813 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check,** was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0741 | | | | |
| | Flow Verification (LPM): | 3.21 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0742 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0814 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check,** was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0738 | | | | |
| | Flow Verification (LPM): | 3.17 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0738 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0814 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check,** was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0734 | | | | |
| | Flow Verification (LPM): | 3.31 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0735 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0817 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check,** was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0750 | | | | |
| | Flow Verification (LPM): | 2.98 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0750 | | | | |
| | Flow Verification (LPM): | 2.98 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0816 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check,** was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0745 | | | | |
| | Flow Verification (LPM): | 2.96 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0746 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 01/21/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0943 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check,** was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0856 | | | | |
| | Flow Verification (LPM): | 2.98 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0856 | | | | |
| | Flow Verification (LPM): | 2.98 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0943 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check,** was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0843 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0843 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0944 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check,** was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0837 | | | | |
| | Flow Verification (LPM): | 2.98 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0837 | | | | |
| | Flow Verification (LPM): | 2.98 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0944 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check,** was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0912 | | | | |
| | Flow Verification (LPM): | 3.15 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0912 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0945 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check,** was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0905 | | | | |
| | Flow Verification (LPM): | 2.96 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0905 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 01/24/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0943 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check,** was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0856 | | | | |
| | Flow Verification (LPM): | 2.98 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0856 | | | | |
| | Flow Verification (LPM): | 2.98 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0943 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check,** was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0803 | | | | |
| | Flow Verification (LPM): | 2.85 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0803 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0944 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check,** was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0750 | | | | |
| | Flow Verification (LPM): | 2.91 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0750 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0944 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check,** was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0835 | | | | |
| | Flow Verification (LPM): | 2.90 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0835 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0945 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check,** was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0823 | | | | |
| | Flow Verification (LPM): | 2.90 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0823 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 01/25/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1044 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0816 | | | | |
| | Flow Verification (LPM): | 3.22 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0816 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1044 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0815 | | | | |
| | Flow Verification (LPM): | 3.18 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0815 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 1044 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | |
| As-Found | DustTrak Clock Time (CST) | 0812 | | |
| | Flow Verification (LPM): | 3.14 | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0812 | | |
| | Flow Verification (LPM): | 2.98 | | |
| Sample Removed? | Sample ID | 3.00 | | |
| | Removal time | NA | | |
| Sample Installed ? | Sample ID | NA | | |
| | Install Time | NA | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 1044 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | |
| As-Found | DustTrak Clock Time (CST) | 0824 | | |
| | Flow Verification (LPM): | 2.94 | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0824 | | |
| | Flow Verification (LPM): | 3.01 | | |
| Sample Removed? | Sample ID | NA | | |
| | Removal time | NA | | |
| Sample Installed ? | Sample ID | NA | | |
| | Install Time | NA | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 1044 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | |
| As-Found | DustTrak Clock Time (CST) | 0820 | | |
| | Flow Verification (LPM): | 3.02 | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0820 | | |
| | Flow Verification (LPM): | 3.02 | | |
| Sample Removed? | Sample ID | NA | | |
| | Removal time | NA | | |
| Sample Installed ? | Sample ID | NA | | |
| | Install Time | NA | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 01/26/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1104 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0750 | | | | |
| | Flow Verification (LPM): | 2.95 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0750 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1104 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0735 | | | | |
| | Flow Verification (LPM): | 3.11 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0735 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1104 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0744 | | | | |
| | Flow Verification (LPM): | 2.98 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0744 | | | | |
| | Flow Verification (LPM): | 2.98 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1104 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0809 | | | | |
| | Flow Verification (LPM): | 2.98 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0809 | | | | |
| | Flow Verification (LPM): | 2.98 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1104 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0801 | | | | |
| | Flow Verification (LPM): | 2.96 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0801 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 01/27/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0810 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0747 | | | | |
| | Flow Verification (LPM): | 2.96 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0747 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0810 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0742 | | | | |
| | Flow Verification (LPM): | 2.85 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0742 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 0810 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | |
| As-Found | DustTrak Clock Time (CST) | 0743 | | |
| | Flow Verification (LPM): | 2.92 | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0743 | | |
| | Flow Verification (LPM): | 3.00 | | |
| Sample Removed? | Sample ID | NA | | |
| | Removal time | NA | | |
| Sample Installed ? | Sample ID | NA | | |
| | Install Time | NA | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 0810 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | |
| As-Found | DustTrak Clock Time (CST) | 0754 | | |
| | Flow Verification (LPM): | 2.96 | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0754 | | |
| | Flow Verification (LPM): | 2.99 | | |
| Sample Removed? | Sample ID | NA | | |
| | Removal time | NA | | |
| Sample Installed ? | Sample ID | NA | | |
| | Install Time | NA | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 0810 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | |
| As-Found | DustTrak Clock Time (CST) | 0749 | | |
| | Flow Verification (LPM): | 2.98 | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0749 | | |
| | Flow Verification (LPM): | 2.98 | | |
| Sample Removed? | Sample ID | NA | | |
| | Removal time | NA | | |
| Sample Installed ? | Sample ID | NA | | |
| | Install Time | NA | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| Safety Observation/Suggestion: | Snow is beginning to cover solar panels. Difficult to keep surface of solar panels free of snow. Cleaned each hour. |
|---|---|

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 01/28/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0856 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check,** was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0759 | | | | |
| | Flow Verification (LPM): | 2.93 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0759 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0856 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check,** was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0748 | | | | |
| | Flow Verification (LPM): | 2.93 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0748 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0856 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check,** was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0753 | | | | |
| | Flow Verification (LPM): | 2.93 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0753 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0856 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check,** was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: SAM 4 went offline at 0544. Swapped battery at approximately 0820. SAM 4 station data resumed at 0824. | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0823 | | | | |
| | Flow Verification (LPM): | 3.02 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0823 | | | | |
| | Flow Verification (LPM): | 3.02 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0856 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check,** was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0807 | | | | |
| | Flow Verification (LPM): | 2.85 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0807 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| Safety Observation/Suggestion: | Snow is beginning to cover solar panels. Difficult to keep surface of solar panels free of snow. Cleaned each hour. |
|---|---|

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 01/31/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0848 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0805 | | | | |
| | Flow Verification (LPM): | 3.04 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0805 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | 20220131 - 0203 - SE - SAM 1 | | | | |
| | Install Time | 1309 | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0848 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0752 | | | | |
| | Flow Verification (LPM): | 3.08 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0752 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | 20220131 - 0203 - NE - SAM 2 | | | | |
| | Install Time | 1303 | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0848 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0759 | | | | |
| | Flow Verification (LPM): | 3.08 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0759 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | 20220131 - 0203 - SE - SAM 3 | | | | |
| | Install Time | 1305 | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0848 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0824 | | | | |
| | Flow Verification (LPM): | 2.95 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0824 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | 20220131 - 0203 - NW - SAM 4 | | | | |
| | Install Time | 1320 | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0848 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0816 | | | | |
| | Flow Verification (LPM): | 3.14 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0816 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | 20220131 - 0203 - SW - SAM 5 | | | | |
| | Install Time | 1313 | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 02/01/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0848 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0750 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0750 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0848 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0747 | | | | |
| | Flow Verification (LPM): | 2.92 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0747 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0848 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0748 | | | | |
| | Flow Verification (LPM): | 2.98 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0748 | | | | |
| | Flow Verification (LPM): | 2.98 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0848 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0801 | | | | |
| | Flow Verification (LPM): | 3.16 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0801 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0848 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0757 | | | | |
| | Flow Verification (LPM): | 3.23 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0757 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 02/02/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1114 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0848 | | | | |
| | Flow Verification (LPM): | 2.90 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0848 | | | | |
| | Flow Verification (LPM): | 3;00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1114 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0812 | | | | |
| | Flow Verification (LPM): | 2.98 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0812 | | | | |
| | Flow Verification (LPM): | 2.98 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1114 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0823 | | | | |
| | Flow Verification (LPM): | 2.90 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0823 | | | | |
| | Flow Verification (LPM): | 3.02 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1114 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0853 | | | | |
| | Flow Verification (LPM): | 2.87 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0853 | | | | |
| | Flow Verification (LPM): | 2.98 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1114 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0849 | | | | |
| | Flow Verification (LPM): | 2.83 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0849 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 02/03/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1011 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: No calibration due to current samples within the machine. | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | NA | | | | |
| | Flow Verification (LPM): | NA | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | NA | | | | |
| | Flow Verification (LPM): | NA | | | | |
| Sample Removed? | Sample ID | 20220131 - 0203 - SE - SAM 1 | | | | |
| | Removal time | 1705 | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1011 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: No calibration due to current samples within the machine. | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | NA | | | | |
| | Flow Verification (LPM): | NA | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | NA | | | | |
| | Flow Verification (LPM): | NA | | | | |
| Sample Removed? | Sample ID | 20220131 - 0203 - NE - SAM 2 | | | | |
| | Removal time | 1718 | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1011 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: No calibration due to current samples within the machine. | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | NA | | | | |
| | Flow Verification (LPM): | NA | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | NA | | | | |
| | Flow Verification (LPM): | NA | | | | |
| Sample Removed? | Sample ID | 20220131 - 0203 - SE - SAM 3 | | | | |
| | Removal time | 1701 | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1011 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: No calibration due to current samples within the machine. | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | NA | | | | |
| | Flow Verification (LPM): | NA | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | NA | | | | |
| | Flow Verification (LPM): | NA | | | | |
| Sample Removed? | Sample ID | 20220131 - 0203 - NW - SAM 4 | | | | |
| | Removal time | 1713 | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1011 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: No calibration due to current samples within the machine. | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | NA | | | | |
| | Flow Verification (LPM): | NA | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | NA | | | | |
| | Flow Verification (LPM): | NA | | | | |
| Sample Removed? | Sample ID | 20220131 - 0203 - SW - SAM 5 | | | | |
| | Removal time | 1709 | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 02/07/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1011 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0825 | | | | |
| | Flow Verification (LPM): | 3.09 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0825 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1011 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0832 | | | | |
| | Flow Verification (LPM): | 2.86 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0832 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1011 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0818 | | | | |
| | Flow Verification (LPM): | 3.08 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0818 | | | | |
| | Flow Verification (LPM): | 3.02 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1011 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0758 | | | | |
| | Flow Verification (LPM): | 3.25 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0758 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1011 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0810 | | | | |
| | Flow Verification (LPM): | 3.18 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0810 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 02/08/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1011 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 1155 | | | | |
| | Flow Verification (LPM): | 2.96 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1155 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1011 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 1149 | | | | |
| | Flow Verification (LPM): | 3.02 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1149 | | | | |
| | Flow Verification (LPM): | 3.02 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1011 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 1152 | | | | |
| | Flow Verification (LPM): | 2.96 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1152 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1011 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 1203 | | | | |
| | Flow Verification (LPM): | 2.85 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1203 | | | | |
| | Flow Verification (LPM): | 3.02 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1011 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 1156 | | | | |
| | Flow Verification (LPM): | 2.97 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1156 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 02/09/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0957 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0753 | | | | |
| | Flow Verification (LPM): | 3.06 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0753 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0957 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0740 | | | | |
| | Flow Verification (LPM): | 3.11 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0740 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0957 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0747 | | | | |
| | Flow Verification (LPM): | 3.02 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0747 | | | | |
| | Flow Verification (LPM): | 3.02 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0957 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0805 | | | | |
| | Flow Verification (LPM): | 3.04 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0805 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0957 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0802 | | | | |
| | Flow Verification (LPM): | 3.06 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0802 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 02/10/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0823 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0801 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0801 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0823 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0757 | | | | |
| | Flow Verification (LPM): | 2.93 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0757 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0823 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0759 | | | | |
| | Flow Verification (LPM): | 2.98 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0759 | | | | |
| | Flow Verification (LPM): | 2.98 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0823 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0806 | | | | |
| | Flow Verification (LPM): | 2.96 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0806 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0823 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0803 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0803 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 02/11/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0950 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check,** was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0802 | | | | |
| | Flow Verification (LPM): | 3.06 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0802 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0950 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check,** was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0758 | | | | |
| | Flow Verification (LPM): | 3.10 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0758 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0950 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check,** was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0800 | | | | |
| | Flow Verification (LPM): | 3.06 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0800 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0950 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check,** was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0809 | | | | |
| | Flow Verification (LPM): | 3.10 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0809 | | | | |
| | Flow Verification (LPM): | 3.02 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0950 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check,** was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0804 | | | | |
| | Flow Verification (LPM): | 3.05 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0804 | | | | |
| | Flow Verification (LPM): | 3.05 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 02/14/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1020 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0845 | | | | |
| | Flow Verification (LPM): | 2.96 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0845 | | | | |
| | Flow Verification (LPM): | 2.98 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1020 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0828 | | | | |
| | Flow Verification (LPM): | 3.18 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0828 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 1020 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | |
| As-Found | DustTrak Clock Time (CST) | 0800 | | |
| | Flow Verification (LPM): | 3.06 | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0800 | | |
| | Flow Verification (LPM): | 3.00 | | |
| Sample Removed? | Sample ID | NA | | |
| | Removal time | NA | | |
| Sample Installed ? | Sample ID | NA | | |
| | Install Time | NA | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 1020 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | |
| As-Found | DustTrak Clock Time (CST) | 0905 | | |
| | Flow Verification (LPM): | 2.92 | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0905 | | |
| | Flow Verification (LPM): | 2.98 | | |
| Sample Removed? | Sample ID | NA | | |
| | Removal time | NA | | |
| Sample Installed ? | Sample ID | NA | | |
| | Install Time | NA | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 1020 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | |
| As-Found | DustTrak Clock Time (CST) | 0855 | | |
| | Flow Verification (LPM): | 2.84 | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0855 | | |
| | Flow Verification (LPM): | 2.99 | | |
| Sample Removed? | Sample ID | NA | | |
| | Removal time | NA | | |
| Sample Installed ? | Sample ID | NA | | |
| | Install Time | NA | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 02/15/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0823 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0744 | | | | |
| | Flow Verification (LPM): | 3.12 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0744 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0823 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0739 | | | | |
| | Flow Verification (LPM): | 2.93 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0739 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0823 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0742 | | | | |
| | Flow Verification (LPM): | 3.15 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0742 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0823 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0751 | | | | |
| | Flow Verification (LPM): | 3.0 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0751 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0823 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0748 | | | | |
| | Flow Verification (LPM): | 3.12 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0748 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 02/16/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1037 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0811 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0811 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1037 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0757 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0757 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 1037 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | |
| As-Found | DustTrak Clock Time (CST) | 0805 | | |
| | Flow Verification (LPM): | 3.00 | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0805 | | |
| | Flow Verification (LPM): | 3.00 | | |
| Sample Removed? | Sample ID | NA | | |
| | Removal time | NA | | |
| Sample Installed ? | Sample ID | NA | | |
| | Install Time | NA | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 1037 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | |
| As-Found | DustTrak Clock Time (CST) | 0828 | | |
| | Flow Verification (LPM): | 3.02 | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0828 | | |
| | Flow Verification (LPM): | 3.02 | | |
| Sample Removed? | Sample ID | NA | | |
| | Removal time | NA | | |
| Sample Installed ? | Sample ID | NA | | |
| | Install Time | NA | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 1037 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | |
| As-Found | DustTrak Clock Time (CST) | 0819 | | |
| | Flow Verification (LPM): | 3.00 | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0819 | | |
| | Flow Verification (LPM): | 3.00 | | |
| Sample Removed? | Sample ID | NA | | |
| | Removal time | NA | | |
| Sample Installed ? | Sample ID | NA | | |
| | Install Time | NA | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 02/17/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0930 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0909 | | | | |
| | Flow Verification (LPM): | 2.98 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0909 | | | | |
| | Flow Verification (LPM): | 2.98 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0930 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0738 | | | | |
| | Flow Verification (LPM): | 3.10 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0738 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 0930 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | |
| As-Found | DustTrak Clock Time (CST) | 0910 | | |
| | Flow Verification (LPM): | 3.05 | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0910 | | |
| | Flow Verification (LPM): | 3.01 | | |
| Sample Removed? | Sample ID | NA | | |
| | Removal time | NA | | |
| Sample Installed ? | Sample ID | NA | | |
| | Install Time | NA | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 0930 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | |
| As-Found | DustTrak Clock Time (CST) | 0741 | | |
| | Flow Verification (LPM): | 3.15 | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0741 | | |
| | Flow Verification (LPM): | 3.00 | | |
| Sample Removed? | Sample ID | NA | | |
| | Removal time | NA | | |
| Sample Installed ? | Sample ID | NA | | |
| | Install Time | NA | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 0930 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | |
| As-Found | DustTrak Clock Time (CST) | 0744 | | |
| | Flow Verification (LPM): | 3.09 | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0744 | | |
| | Flow Verification (LPM): | 3.02 | | |
| Sample Removed? | Sample ID | NA | | |
| | Removal time | NA | | |
| Sample Installed ? | Sample ID | NA | | |
| | Install Time | NA | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 02/18/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0847 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0731 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0731 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0847 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0646 | | | | |
| | Flow Verification (LPM): | 3.05 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0646 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0847 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0727 | | | | |
| | Flow Verification (LPM): | 3.05 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0727 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0847 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0654 | | | | |
| | Flow Verification (LPM): | 2.84 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0654 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0847 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0713 | | | | |
| | Flow Verification (LPM): | 2.84 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0713 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 02/21/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0915 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0753 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0753 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0915 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0741 | | | | |
| | Flow Verification (LPM): | 2.95 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0741 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0915 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0748 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0748 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0915 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0812 | | | | |
| | Flow Verification (LPM): | 3.09 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0812 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0915 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0759 | | | | |
| | Flow Verification (LPM): | 3.10 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0759 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 02/22/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1030 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0743 | | | | |
| | Flow Verification (LPM): | 2.97 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0743 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1030 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0738 | | | | |
| | Flow Verification (LPM): | 2.90 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0738 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 1030 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | |
| As-Found | DustTrak Clock Time (CST) | 0740 | | |
| | Flow Verification (LPM): | 2.98 | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0740 | | |
| | Flow Verification (LPM): | 2.98 | | |
| Sample Removed? | Sample ID | NA | | |
| | Removal time | NA | | |
| Sample Installed ? | Sample ID | NA | | |
| | Install Time | NA | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 1030 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | |
| As-Found | DustTrak Clock Time (CST) | 0749 | | |
| | Flow Verification (LPM): | 3.02 | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0749 | | |
| | Flow Verification (LPM): | 3.02 | | |
| Sample Removed? | Sample ID | NA | | |
| | Removal time | NA | | |
| Sample Installed ? | Sample ID | NA | | |
| | Install Time | NA | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 1030 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | |
| As-Found | DustTrak Clock Time (CST) | 0745 | | |
| | Flow Verification (LPM): | 3.00 | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0745 | | |
| | Flow Verification (LPM): | 3.00 | | |
| Sample Removed? | Sample ID | NA | | |
| | Removal time | NA | | |
| Sample Installed ? | Sample ID | NA | | |
| | Install Time | NA | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 02/23/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1050 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0757 | | | | |
| | Flow Verification (LPM): | 3.05 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0757 | | | | |
| | Flow Verification (LPM): | 3.02 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1050 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0745 | | | | |
| | Flow Verification (LPM): | 3.24 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0745 | | | | |
| | Flow Verification (LPM): | 3.02 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 1050 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | |
| As-Found | DustTrak Clock Time (CST) | 0751 | | |
| | Flow Verification (LPM): | 3.05 | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0751 | | |
| | Flow Verification (LPM): | 3.02 | | |
| Sample Removed? | Sample ID | NA | | |
| | Removal time | NA | | |
| Sample Installed ? | Sample ID | NA | | |
| | Install Time | NA | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 1050 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | |
| As-Found | DustTrak Clock Time (CST) | 0812 | | |
| | Flow Verification (LPM): | 2.88 | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0812 | | |
| | Flow Verification (LPM): | 3.02 | | |
| Sample Removed? | Sample ID | NA | | |
| | Removal time | NA | | |
| Sample Installed ? | Sample ID | NA | | |
| | Install Time | NA | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 1050 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | |
| As-Found | DustTrak Clock Time (CST) | 0805 | | |
| | Flow Verification (LPM): | 2.88 | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0805 | | |
| | Flow Verification (LPM): | 3.01 | | |
| Sample Removed? | Sample ID | NA | | |
| | Removal time | NA | | |
| Sample Installed ? | Sample ID | NA | | |
| | Install Time | NA | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 02/24/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0840 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0746 | | | | |
| | Flow Verification (LPM): | 3.02 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0746 | | | | |
| | Flow Verification (LPM): | 3.02 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0840 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0740 | | | | |
| | Flow Verification (LPM): | 2.90 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0740 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0840 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0745 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0745 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0840 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0751 | | | | |
| | Flow Verification (LPM): | 2.98 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0751 | | | | |
| | Flow Verification (LPM): | 2.98 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0840 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0747 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0747 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 02/25/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1027 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0938 | | | | |
| | Flow Verification (LPM): | 3.04 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0938 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1027 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0928 | | | | |
| | Flow Verification (LPM): | 3.06 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0928 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1027 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0933 | | | | |
| | Flow Verification (LPM): | 3.02 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0933 | | | | |
| | Flow Verification (LPM): | 3.02 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1027 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0951 | | | | |
| | Flow Verification (LPM): | 3.06 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0951 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1027 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0946 | | | | |
| | Flow Verification (LPM): | 3.14 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0946 | | | | |
| | Flow Verification (LPM): | 3.02 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 02/28/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1230 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0809 | | | | |
| | Flow Verification (LPM): | 2.94 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0809 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1230 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0755 | | | | |
| | Flow Verification (LPM): | 2.95 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0755 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1230 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0803 | | | | |
| | Flow Verification (LPM): | 2.94 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0803 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1230 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0824 | | | | |
| | Flow Verification (LPM): | 3.05 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0824 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1230 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0816 | | | | |
| | Flow Verification (LPM): | 2.96 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0816 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 03/01/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1531 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 1445 | | | | |
| | Flow Verification (LPM): | 2.94 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1445 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| Sample Removed? | Sample ID | 20220301 - 04 - SE - SAM 1 | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | 20220301 - 04 - SE - SAM 1 | | | | |
| | Install Time | 1447 | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1531 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0739 | | | | |
| | Flow Verification (LPM): | 2.97 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0739 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| Sample Removed? | Sample ID | 20220301 - 04 - SE - SAM 2 | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | 20220301 - 04 - SE - SAM 2 | | | | |
| | Install Time | 1438 | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1531 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0743 | | | | |
| | Flow Verification (LPM): | 3.05 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0743 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | 20220301 - 04 - SE - SAM 3 | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | 20220301 - 04 - SE - SAM 3 | | | | |
| | Install Time | 1443 | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1531 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0747 | | | | |
| | Flow Verification (LPM): | 3.04 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0747 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | 20220301 - 04 - SE - SAM 4 | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | 20220301 - 04 - SE - SAM 4 | | | | |
| | Install Time | 1457 | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1531 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0816 | | | | |
| | Flow Verification (LPM): | 2.96 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0816 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | 20220301 - 04 - SE - SAM 5 | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | 20220301 - 04 - SE - SAM 5 | | | | |
| | Install Time | 1452 | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 03/01/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0830 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0744 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0744 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0830 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0739 | | | | |
| | Flow Verification (LPM): | 2.97 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0739 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 0830 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | |
| As-Found | DustTrak Clock Time (CST) | 0743 | | |
| | Flow Verification (LPM): | 3.05 | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0743 | | |
| | Flow Verification (LPM): | 3.01 | | |
| Sample Removed? | Sample ID | NA | | |
| | Removal time | NA | | |
| Sample Installed ? | Sample ID | NA | | |
| | Install Time | NA | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 0830 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | |
| As-Found | DustTrak Clock Time (CST) | 0747 | | |
| | Flow Verification (LPM): | 3.04 | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0747 | | |
| | Flow Verification (LPM): | 3.01 | | |
| Sample Removed? | Sample ID | NA | | |
| | Removal time | NA | | |
| Sample Installed ? | Sample ID | NA | | |
| | Install Time | NA | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 0830 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | |
| As-Found | DustTrak Clock Time (CST) | 0816 | | |
| | Flow Verification (LPM): | 2.96 | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0816 | | |
| | Flow Verification (LPM): | 3.00 | | |
| Sample Removed? | Sample ID | NA | | |
| | Removal time | NA | | |
| Sample Installed ? | Sample ID | NA | | |
| | Install Time | NA | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 03/02/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0935 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0840 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0840 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0935 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0830 | | | | |
| | Flow Verification (LPM): | 3.04 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0830 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0935 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0835 | | | | |
| | Flow Verification (LPM): | 3.04 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0835 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0935 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0852 | | | | |
| | Flow Verification (LPM): | 3.03 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0852 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0935 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0845 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0845 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 03/03/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0750 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0742 | | | | |
| | Flow Verification (LPM): | 3.10 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0742 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0750 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0736 | | | | |
| | Flow Verification (LPM): | 3.10 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0736 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0750 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0739 | | | | |
| | Flow Verification (LPM): | 3.10 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0739 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0750 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0747 | | | | |
| | Flow Verification (LPM): | 3.05 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0747 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0750 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0745 | | | | |
| | Flow Verification (LPM): | 3.05 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0745 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 03/04/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0925 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0838 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0838 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0925 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0828 | | | | |
| | Flow Verification (LPM): | 3.06 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0828 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0925 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0834 | | | | |
| | Flow Verification (LPM): | 3.03 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0834 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0925 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0848 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0848 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0925 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0843 | | | | |
| | Flow Verification (LPM): | 2.96 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0843 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 03/21/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1052 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0758 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0758 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1052 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0747 | | | | |
| | Flow Verification (LPM): | 2.95 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0747 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1052 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0752 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0752 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1052 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0812 | | | | |
| | Flow Verification (LPM): | 2.97 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0812 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1052 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0807 | | | | |
| | Flow Verification (LPM): | 2.96 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0807 | | | | |
| | Flow Verification (LPM): | 2.98 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 03/22/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0925 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0749 | | | | |
| | Flow Verification (LPM): | 3.06 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0749 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0925 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0746 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0746 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0925 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0747 | | | | |
| | Flow Verification (LPM): | 3.03 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0747 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0925 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0752 | | | | |
| | Flow Verification (LPM): | 3.02 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0752 | | | | |
| | Flow Verification (LPM): | 3.02 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0925 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0750 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0750 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 03/23/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0953 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0843 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0843 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0953 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0829 | | | | |
| | Flow Verification (LPM): | 3.05 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0829 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0953 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0835 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0835 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0953 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0857 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0857 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0953 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0851 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0851 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 03/24/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1127 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0747 | | | | |
| | Flow Verification (LPM): | 3.06 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0747 | | | | |
| | Flow Verification (LPM): | 3.02 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1127 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0743 | | | | |
| | Flow Verification (LPM): | 3.06 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0743 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1127 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0746 | | | | |
| | Flow Verification (LPM): | 3.06 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0746 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1127 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0751 | | | | |
| | Flow Verification (LPM): | 3.05 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0751 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1127 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0749 | | | | |
| | Flow Verification (LPM): | 3.04 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0749 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 03/25/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0830 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0747 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0747 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0830 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0738 | | | | |
| | Flow Verification (LPM): | 3.07 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0738 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 0830 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | |
| As-Found | DustTrak Clock Time (CST) | 0744 | | |
| | Flow Verification (LPM): | 2.99 | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0744 | | |
| | Flow Verification (LPM): | 2.99 | | |
| Sample Removed? | Sample ID | NA | | |
| | Removal time | NA | | |
| Sample Installed ? | Sample ID | NA | | |
| | Install Time | NA | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 0830 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | |
| As-Found | DustTrak Clock Time (CST) | 0758 | | |
| | Flow Verification (LPM): | 2.97 | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0758 | | |
| | Flow Verification (LPM): | 3.00 | | |
| Sample Removed? | Sample ID | NA | | |
| | Removal time | NA | | |
| Sample Installed ? | Sample ID | NA | | |
| | Install Time | NA | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 0830 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | |
| As-Found | DustTrak Clock Time (CST) | 0755 | | |
| | Flow Verification (LPM): | 3.01 | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0755 | | |
| | Flow Verification (LPM): | 3.01 | | |
| Sample Removed? | Sample ID | NA | | |
| | Removal time | NA | | |
| Sample Installed ? | Sample ID | NA | | |
| | Install Time | NA | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 03/28/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1204 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 1137 | | | | |
| | Flow Verification (LPM): | 2.97 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1137 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1204 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 1130 | | | | |
| | Flow Verification (LPM): | 2.93 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1130 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1204 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 1135 | | | | |
| | Flow Verification (LPM): | 2.96 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1135 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1204 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 1145 | | | | |
| | Flow Verification (LPM): | 3.05 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1145 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1204 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 1142 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1142 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 03/28/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0845 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0805 | | | | |
| | Flow Verification (LPM): | 2.97 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0805 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0845 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0748 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0748 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0845 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0757 | | | | |
| | Flow Verification (LPM): | 2.96 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0757 | | | | |
| | Flow Verification (LPM): | 2.98 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0845 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0822 | | | | |
| | Flow Verification (LPM): | 2.90 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0822 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0845 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0814 | | | | |
| | Flow Verification (LPM): | 2.98 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0814 | | | | |
| | Flow Verification (LPM): | 2.98 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 03/29/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0810 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0747 | | | | |
| | Flow Verification (LPM): | 3.08 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0747 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0810 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0744 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0744 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0810 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0746 | | | | |
| | Flow Verification (LPM): | 3.07 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0746 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0810 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0752 | | | | |
| | Flow Verification (LPM): | 2.91 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0752 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0810 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0751 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0751 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 03/30/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0954 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0756 | | | | |
| | Flow Verification (LPM): | 2.97 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0756 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0954 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0738 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0738 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0954 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0751 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0751 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0954 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0804 | | | | |
| | Flow Verification (LPM): | 3.09 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0804 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0954 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0801 | | | | |
| | Flow Verification (LPM): | 2.97 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0801 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 03/31/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0954 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0752 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0752 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0954 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0741 | | | | |
| | Flow Verification (LPM): | 3.07 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0741 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0954 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0751 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0751 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0954 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0742 | | | | |
| | Flow Verification (LPM): | 3.04 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0742 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0954 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0747 | | | | |
| | Flow Verification (LPM): | 3.04 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0747 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 04/01/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1652 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0810 | | | | |
| | Flow Verification (LPM): | 3.02 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0810 | | | | |
| | Flow Verification (LPM): | 3.02 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1652 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0749 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0749 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1652 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0806 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0806 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1652 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0753 | | | | |
| | Flow Verification (LPM): | 2.89 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0753 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1652 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0800 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0800 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 04/18/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0935 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0834 | | | | |
| | Flow Verification (LPM): | 3.07 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0834 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0935 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0843 | | | | |
| | Flow Verification (LPM): | 3.03 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0843 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0935 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0828 | | | | |
| | Flow Verification (LPM): | 3.07 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0828 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0935 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0848 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0848 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0935 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0900 | | | | |
| | Flow Verification (LPM): | 2.98 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0900 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 04/19/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0926 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0756 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0756 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0926 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0802 | | | | |
| | Flow Verification (LPM): | 3.04 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0802 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 0926 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | |
| As-Found | DustTrak Clock Time (CST) | 0755 | | |
| | Flow Verification (LPM): | 3.01 | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0755 | | |
| | Flow Verification (LPM): | 3.01 | | |
| Sample Removed? | Sample ID | NA | | |
| | Removal time | NA | | |
| Sample Installed ? | Sample ID | NA | | |
| | Install Time | NA | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 0926 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | |
| As-Found | DustTrak Clock Time (CST) | 0806 | | |
| | Flow Verification (LPM): | 3.01 | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0806 | | |
| | Flow Verification (LPM): | 3.01 | | |
| Sample Removed? | Sample ID | NA | | |
| | Removal time | NA | | |
| Sample Installed ? | Sample ID | NA | | |
| | Install Time | NA | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 0926 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | |
| As-Found | DustTrak Clock Time (CST) | 0807 | | |
| | Flow Verification (LPM): | 3.02 | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0807 | | |
| | Flow Verification (LPM): | 3.02 | | |
| Sample Removed? | Sample ID | NA | | |
| | Removal time | NA | | |
| Sample Installed ? | Sample ID | NA | | |
| | Install Time | NA | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 04/20/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0926 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0728 | | | | |
| | Flow Verification (LPM): | 2.95 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0728 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0926 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0715 | | | | |
| | Flow Verification (LPM): | 3.96 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0715 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 0926 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | |
| As-Found | DustTrak Clock Time (CST) | 0724 | | |
| | Flow Verification (LPM): | 2.94 | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0724 | | |
| | Flow Verification (LPM): | 3.00 | | |
| Sample Removed? | Sample ID | NA | | |
| | Removal time | NA | | |
| Sample Installed ? | Sample ID | NA | | |
| | Install Time | NA | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 0926 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | |
| As-Found | DustTrak Clock Time (CST) | 0707 | | |
| | Flow Verification (LPM): | 3.03 | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0707 | | |
| | Flow Verification (LPM): | 3.00 | | |
| Sample Removed? | Sample ID | NA | | |
| | Removal time | NA | | |
| Sample Installed ? | Sample ID | NA | | |
| | Install Time | NA | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 0926 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | |
| As-Found | DustTrak Clock Time (CST) | 0703 | | |
| | Flow Verification (LPM): | 3.07 | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0703 | | |
| | Flow Verification (LPM): | 3.00 | | |
| Sample Removed? | Sample ID | NA | | |
| | Removal time | NA | | |
| Sample Installed ? | Sample ID | NA | | |
| | Install Time | NA | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 04/21/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0830 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0811 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0811 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0830 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0806 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0806 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0830 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0810 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0810 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0830 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0803 | | | | |
| | Flow Verification (LPM): | 2.96 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0803 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0830 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0802 | | | | |
| | Flow Verification (LPM): | 2.94 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0802 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 04/22/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1030 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0942 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0942 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1030 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0934 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0934 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 1030 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | |
| As-Found | DustTrak Clock Time (CST) | 0938 | | |
| | Flow Verification (LPM): | 2.98 | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0938 | | |
| | Flow Verification (LPM): | 2.98 | | |
| Sample Removed? | Sample ID | NA | | |
| | Removal time | NA | | |
| Sample Installed ? | Sample ID | NA | | |
| | Install Time | NA | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 1030 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | |
| As-Found | DustTrak Clock Time (CST) | 0904 | | |
| | Flow Verification (LPM): | 3.02 | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0904 | | |
| | Flow Verification (LPM): | 3.02 | | |
| Sample Removed? | Sample ID | NA | | |
| | Removal time | NA | | |
| Sample Installed ? | Sample ID | NA | | |
| | Install Time | NA | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 1030 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | |
| As-Found | DustTrak Clock Time (CST) | 0900 | | |
| | Flow Verification (LPM): | 3.01 | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0900 | | |
| | Flow Verification (LPM): | 3.01 | | |
| Sample Removed? | Sample ID | NA | | |
| | Removal time | NA | | |
| Sample Installed ? | Sample ID | NA | | |
| | Install Time | NA | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 04/25/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1020 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0802 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0802 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1020 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0811 | | | | |
| | Flow Verification (LPM): | 3.02 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0811 | | | | |
| | Flow Verification (LPM): | 3.02 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1020 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0756 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0756 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1020 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0815 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0815 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1020 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0827 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0827 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 04/26/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1320 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0809 | | | | |
| | Flow Verification (LPM): | 3.06 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0809 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1320 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0815 | | | | |
| | Flow Verification (LPM): | 3.06 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0815 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1320 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0807 | | | | |
| | Flow Verification (LPM): | 3.06 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0807 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1320 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0815 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0815 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1320 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0818 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0818 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 04/27/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0920 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0810 | | | | |
| | Flow Verification (LPM): | 2.95 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0810 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0920 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0820 | | | | |
| | Flow Verification (LPM): | 2.96 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0820 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0920 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0802 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0802 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0920 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0826 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0826 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0920 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0836 | | | | |
| | Flow Verification (LPM): | 2.98 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0836 | | | | |
| | Flow Verification (LPM): | 2.98 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 04/28/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0830 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0752 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0752 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 0830 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0756 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0756 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 0830 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | |
| As-Found | DustTrak Clock Time (CST) | 0749 | | |
| | Flow Verification (LPM): | 2.97 | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0749 | | |
| | Flow Verification (LPM): | 3.00 | | |
| Sample Removed? | Sample ID | NA | | |
| | Removal time | NA | | |
| Sample Installed ? | Sample ID | NA | | |
| | Install Time | NA | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 0830 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | |
| As-Found | DustTrak Clock Time (CST) | 0758 | | |
| | Flow Verification (LPM): | 3.01 | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0758 | | |
| | Flow Verification (LPM): | 3.01 | | |
| Sample Removed? | Sample ID | NA | | |
| | Removal time | NA | | |
| Sample Installed ? | Sample ID | NA | | |
| | Install Time | NA | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST)** | | 0830 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | |
| As-Found | DustTrak Clock Time (CST) | 0802 | | |
| | Flow Verification (LPM): | 3.00 | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0802 | | |
| | Flow Verification (LPM): | 3.00 | | |
| Sample Removed? | Sample ID | NA | | |
| | Removal time | NA | | |
| Sample Installed ? | Sample ID | NA | | |
| | Install Time | NA | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 04/29/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1200 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0825 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0825 | | | | |
| | Flow Verification (LPM): | 2.99 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1200 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0836 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0836 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1200 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0819 | | | | |
| | Flow Verification (LPM): | 2.98 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0819 | | | | |
| | Flow Verification (LPM): | 2.98 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1200 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0842 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0842 | | | | |
| | Flow Verification (LPM): | 3.00 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1200 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 0850 | | | | |
| | Flow Verification (LPM): | 2.98 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 0850 | | | | |
| | Flow Verification (LPM): | 2.98 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

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

Before leaving site:

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
5. Lock door and gate

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

# DUSTTRAK II

| Date: 05/02/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | Serial Number |
|---|---|
| 1 | 8530121117 |
| 3 | 8530111706 |
| 2 | 8530193806 |
| 4 | 8530180308 |
| 5 | 8530180304 |

| SAM #1 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1430 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: Justing and Drew (ERM) onsite to remove DustTraks | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 1256 | | | | |
| | Flow Verification (LPM): | 2.96 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1256 | | | | |
| | Flow Verification (LPM): | 2.96 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #2 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1430 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: Justing and Drew (ERM) onsite to remove DustTraks | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 1307 | | | | |
| | Flow Verification (LPM): | 2.98 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1307 | | | | |
| | Flow Verification (LPM): | 2.98 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #3 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1430 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: Justing and Drew (ERM) onsite to remove DustTraks | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 1256 | | | | |
| | Flow Verification (LPM): | 2.94 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1256 | | | | |
| | Flow Verification (LPM): | 2.94 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1430 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: Justing and Drew (ERM) onsite to remove DustTraks | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 1312 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1312 | | | | |
| | Flow Verification (LPM): | 3.01 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

| SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): | | |
|---|---|---|---|---|---|---|
| **Time (CST)** | | 1430 | | | | |
| Is site free of damage or vandalism? | | Yes | No | | | |
| Are any alarms present on the DustTrak? **If yes, please provide alarm details.** | | Yes | No | Alarm Details: | | N/A |
| **During as-found check**, was impactor oil applied to the sample inlet? This should be completed once per day. | | Yes | No | Additional Comments: Justing and Drew (ERM) onsite to remove DustTraks | | |
| **Taget Flow = 3 LPM ± 5% (0.15 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 3 LPM. | | | | | | |
| As-Found | DustTrak Clock Time (CST) | 1320 | | | | |
| | Flow Verification (LPM): | 3.03 | | | | |
| As-Left (If adjusted) | DustTrak Clock Time (CST) | 1320 | | | | |
| | Flow Verification (LPM): | 3.03 | | | | |
| Sample Removed? | Sample ID | NA | | | | |
| | Removal time | NA | | | | |
| Sample Installed ? | Sample ID | NA | | | | |
| | Install Time | NA | | | | |
| Battery swapped and hooked up old battery for recharge? | | Yes | No | | | |
| Fastened instrument cabinets and locked security fencing? | | Yes | No | | | |

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

Before leaving site:

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
5. Lock door and gate

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

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

| Date: 12/15/2021 | | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|---|

| SAM # | SKC Pump SN: |
|---|---|
| 1 | A119757 |
| 2 | A119740 |
| 3 | A119800 |
| 4 | A119792 |
| 5 | A119769 |

## SKC Pump SAM #1

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | 1226 | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | [Yes] | No | |
| Is the SKC pump still running? | | [Yes] | No | Additional Comments: |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20211213-15-SE-SAM1 | 1226 | 12/15/2021 | |
| **Flow Verification** | | | | |
| As Found Flow Verification (LPM): | | 2.06 LPM | | |
| **Was the flow adjusted?** | | Yes | [No] | |
| As Left Flow Verification (LPM): | | 2.06 LPM | | |
| Sample Installed | Sample ID: | Time | Date | |
| | 20211213-15-SE-SAM1 | 1452 | 12/13/2021 | |

## SKC Pump SAM #3

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | 1223 | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | [Yes] | No | |
| Is the SKC pump still running? | | [Yes] | No | Additional Comments: |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20211213-15-SE-SAM3 | 1223 | 12/15/2021 | |
| **Flow Verification** | | | | |
| As Found Flow Verification (LPM): | | 2.05 LPM | | |
| **Was the flow adjusted?** | | Yes | [No] | |
| As Left Flow Verification (LPM): | | 2.05 LPM | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20211213-15-SE-SAM3 | 1455 | 12/13/2021 | |

## SKC Pump SAM #2

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | 1237 | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | [Yes] | No | |
| Is the SKC pump still running? | | [Yes] | No | Additional Comments: |
| Sample Removed | Sample ID: | Time | Date | |
| | 20211213-15-SE-SAM2 | 1237 | 12/15/2021 | |
| **Flow Verification** | | | | |
| As Found Flow Verification (LPM): | | 2.00 LPM | | |
| **Was the flow adjusted?** | | Yes | [No] | |
| As Left Flow Verification (LPM): | | 2.00 LPM | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20211213-15-SE-SAM2 | 1449 | 12/13/2021 | |

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

| SKC Pump SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST): | | 1247 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20211213-15-SE-SAM4 | 1247 | 12/15/2021 | |
| Flow Verification | | | | |
| As Found Flow Verification (LPM): | | 2.01 LPM | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.01 LPM | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20211213-15-SE-SAM4 | 1515 | 12/13/2021 | |

| SKC Pump SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST): | | 1256 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20211213-15-SE-SAM5 | 1256 | 12/15/2021 | |
| Flow Verification | | | | |
| As Found Flow Verification (LPM): | | 2.05 LPM | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.05 LPM | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20211213-15-SE-SAM5 | 1310 | 12/13/2021 | |

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

Before leaving site:

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
5. Lock door and gate

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

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

| Date: 12/15/2021 | | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|---|

| SAM # | SKC Pump SN: |
|---|---|
| 1 | A119757 |
| 2 | A119740 |
| 3 | A119800 |
| 4 | A119792 |
| 5 | A119769 |

## SKC Pump SAM #1

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | 1447 | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | [Yes] | No | |
| Is the SKC pump still running? | | [Yes] | No | Additional Comments: |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20211215-17-SE-SAM1 | 1038 | 12/17/2021 | |
| **Flow Verification** | | | | |
| As Found Flow Verification (LPM): | | 2.06 LPM | | |
| **Was the flow adjusted?** | | Yes | [No] | |
| As Left Flow Verification (LPM): | | 2.06 LPM | | |
| Sample Installed | Sample ID: | Time | Date | |
| | 20211215-17-SE-SAM1 | 1447 | 12/15/2021 | |

## SKC Pump SAM #3

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | 1445 | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | [Yes] | No | |
| Is the SKC pump still running? | | [Yes] | No | Additional Comments: |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20211215-17-SE-SAM3 | 1036 | 12/17/2021 | |
| **Flow Verification** | | | | |
| As Found Flow Verification (LPM): | | 2.05 LPM | | |
| **Was the flow adjusted?** | | Yes | [No] | |
| As Left Flow Verification (LPM): | | 2.05 LPM | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20211215-17-SE-SAM3 | 1445 | 12/15/2021 | |

## SKC Pump SAM #2

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | 1418 | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | [Yes] | No | |
| Is the SKC pump still running? | | [Yes] | No | Additional Comments: |
| Sample Removed | Sample ID: | Time | Date | |
| | 20211215-17-SE-SAM2 | 1059 | 12/17/2021 | |
| **Flow Verification** | | | | |
| As Found Flow Verification (LPM): | | 2.00 LPM | | |
| **Was the flow adjusted?** | | Yes | [No] | |
| As Left Flow Verification (LPM): | | 2.00 LPM | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20211215-17-SE-SAM2 | 1418 | 12/15/2021 | |

| SKC Pump SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST): | | 1431 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20211215-17-SE-SAM4 | 1053 | 12/17/2021 | |
| Flow Verification | | | | |
| As Found Flow Verification (LPM): | | 2.01 LPM | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.01 LPM | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20211215-17-SE-SAM4 | 1431 | 12/15/2021 | |

| SKC Pump SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST): | | 1048 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20211215-17-SE-SAM5 | 1043 | 12/17/2021 | |
| Flow Verification | | | | |
| As Found Flow Verification (LPM): | | 2.05 LPM | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.05 LPM | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20211215-17-SE-SAM5 | 1438 | 12/15/2021 | |

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

Before leaving site:

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
5. Lock door and gate

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

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

| Date: 12/22/2021 | | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|---|

| SAM # | SKC Pump SN: |
|---|---|
| 1 | A119757 |
| 2 | A119740 |
| 3 | A119800 |
| 4 | A119792 |
| 5 | A119769 |

## SKC Pump SAM #1

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | 1008 | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | [Yes] | No | |
| Is the SKC pump still running? | | [Yes] | No | Additional Comments: |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20211220-22-SE-SAM1 | 1209 | 12/22/2021 | |
| **Flow Verification** | | | | |
| As Found Flow Verification (LPM): | | 2.01 LPM | | |
| **Was the flow adjusted?** | | Yes | [No] | |
| As Left Flow Verification (LPM): | | 2.01 LPM | | |
| Sample Installed | Sample ID: | Time | Date | |
| | 20211220-22-SE-SAM1 | 1008 | 12/20/2021 | |

## SKC Pump SAM #3

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | 0725 | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | [Yes] | No | |
| Is the SKC pump still running? | | [Yes] | No | Additional Comments: |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20211220-22-SE-SAM3 | 1202 | 12/22/2021 | |
| **Flow Verification** | | | | |
| As Found Flow Verification (LPM): | | 2.03 LPM | | |
| **Was the flow adjusted?** | | Yes | [No] | |
| As Left Flow Verification (LPM): | | 2.03 LPM | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20211220-22-SE-SAM3 | 0725 | 12/20/2021 | |

## SKC Pump SAM #2

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | 0742 | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | [Yes] | No | |
| Is the SKC pump still running? | | [Yes] | No | Additional Comments: |
| Sample Removed | Sample ID: | Time | Date | |
| | 20211220-22-SE-SAM2 | 1217 | 12/22/2021 | |
| **Flow Verification** | | | | |
| As Found Flow Verification (LPM): | | 2.02 LPM | | |
| **Was the flow adjusted?** | | Yes | [No] | |
| As Left Flow Verification (LPM): | | 2.02 LPM | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20211220-22-SE-SAM2 | 0742 | 12/20/2021 | |

| SKC Pump SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST): | | 0735 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20211220-22-SE-SAM4 | 1134 | 12/22/2021 | |
| Flow Verification | | | | |
| As Found Flow Verification (LPM): | | 2.04 LPM | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.04 LPM | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20211220-22-SE-SAM4 | 0735 | 12/22/2021 | |

| SKC Pump SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST): | | 0801 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20211220-22-SE-SAM5 | 1154 | 12/22/2021 | |
| Flow Verification | | | | |
| As Found Flow Verification (LPM): | | 2.03 LPM | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.03 LPM | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20211220-22-SE-SAM5 | 0801 | 12/20/2021 | |

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

Before leaving site:

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
5. Lock door and gate

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

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

| Date: 12/23/2021 | | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|---|

| SAM # | SKC Pump SN: |
|---|---|
| 1 | A119757 |
| 2 | A119740 |
| 3 | A119800 |
| 4 | A119792 |
| 5 | A119769 |

## SKC Pump SAM #1

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | 1336 | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | [Yes] | No | |
| Is the SKC pump still running? | | [Yes] | No | Additional Comments: |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20211222-23-SE-SAM1 | 1230 | 12/23/2021 | |
| **Flow Verification** | | | | |
| As Found Flow Verification (LPM): | | 2.01 LPM | | |
| **Was the flow adjusted?** | | Yes | [No] | |
| As Left Flow Verification (LPM): | | 2.01 LPM | | |
| Sample Installed | Sample ID: | Time | Date | |
| | 20211222-23-SE-SAM1 | 1212 | 12/22/2021 | |

## SKC Pump SAM #3

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | 1336 | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | [Yes] | No | |
| Is the SKC pump still running? | | [Yes] | No | Additional Comments: |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20211222-23-SE-SAM3 | 1228 | 12/23/2021 | |
| **Flow Verification** | | | | |
| As Found Flow Verification (LPM): | | 2.03 LPM | | |
| **Was the flow adjusted?** | | Yes | [No] | |
| As Left Flow Verification (LPM): | | 2.03 LPM | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20211222-23-SE-SAM3 | 1206 | 12/22/2021 | |

## SKC Pump SAM #2

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | 1336 | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | [Yes] | No | |
| Is the SKC pump still running? | | [Yes] | No | Additional Comments: |
| Sample Removed | Sample ID: | Time | Date | |
| | 20211222-23-SE-SAM2 | 1245 | 12/23/2021 | |
| **Flow Verification** | | | | |
| As Found Flow Verification (LPM): | | 2.02 LPM | | |
| **Was the flow adjusted?** | | Yes | [No] | |
| As Left Flow Verification (LPM): | | 2.02 LPM | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20211222-23-SE-SAM2 | 1218 | 12/22/2021 | |

| SKC Pump SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | 1336 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20211222-23-SE-SAM4 | 1240 | 12/23/2021 | |
| **Flow Verification** | | | | |
| As Found Flow Verification (LPM): | | 2.04 LPM | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.04 LPM | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20211222-23-SE-SAM4 | 1136 | 12/22/2021 | |

| SKC Pump SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | 1336 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20211222-23-SE-SAM5 | 1235 | 12/23/2021 | |
| **Flow Verification** | | | | |
| As Found Flow Verification (LPM): | | 2.03 LPM | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.03 LPM | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20211222-23-SE-SAM5 | 1156 | 12/22/2021 | |

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

Before leaving site:

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
5. Lock door and gate

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

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

| Date: 12/29/2021 | | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|---|

| SAM # | SKC Pump SN: |
|---|---|
| 1 | A119757 |
| 2 | A119740 |
| 3 | A119800 |
| 4 | A119792 |
| 5 | A119769 |

## SKC Pump SAM #1

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | 1120 | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | [Yes] | No | |
| Is the SKC pump still running? | | [Yes] | No | Additional Comments: |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20211227-29-SE-SAM1 | 0835 | 12/29/2021 | |
| **Flow Verification** | | | | |
| As Found Flow Verification (LPM): | | 1.98 LPM | | |
| **Was the flow adjusted?** | | Yes | [No] | |
| As Left Flow Verification (LPM): | | 1.98 LPM | | |
| Sample Installed | Sample ID: | Time | Date | |
| | 20211227-29-SE-SAM1 | 0840 | 12/27/2021 | |

## SKC Pump SAM #3

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | 1047 | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | [Yes] | No | |
| Is the SKC pump still running? | | [Yes] | No | Additional Comments: |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20211227-29-SE-SAM3 | 0827 | 12/29/2021 | |
| **Flow Verification** | | | | |
| As Found Flow Verification (LPM): | | 2.01 LPM | | |
| **Was the flow adjusted?** | | Yes | [No] | |
| As Left Flow Verification (LPM): | | 2.01 LPM | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20211227-29-SE-SAM3 | 0835 | 12/27/2021 | |

## SKC Pump SAM #2

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | 1047 | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | [Yes] | No | |
| Is the SKC pump still running? | | [Yes] | No | Additional Comments: |
| Sample Removed | Sample ID: | Time | Date | |
| | 20211227-29-SE-SAM2 | 0914 | 12/29/2021 | |
| **Flow Verification** | | | | |
| As Found Flow Verification (LPM): | | 1.94 LPM | | |
| **Was the flow adjusted?** | | [Yes] | No | |
| As Left Flow Verification (LPM): | | 1.99 LPM | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20211227-29-SE-SAM2 | 0928 | 12/27/2021 | |

| SKC Pump SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST): | | 1049 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20211227-29-SE-SAM4 | 0921 | 12/29/2021 | |
| Flow Verification | | | | |
| As Found Flow Verification (LPM): | | 2.07 LPM | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.02 LPM | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20211227-29-SE-SAM4 | 0921 | 12/27/2021 | |

| SKC Pump SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST): | | 1050 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20211227-29-SE-SAM5 | 0850 | 12/29/2021 | |
| Flow Verification | | | | |
| As Found Flow Verification (LPM): | | 2.05 LPM | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.01 LPM | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20211227-29-SE-SAM5 | 0852 | 12/27/2021 | |

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

Before leaving site:

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
5. Lock door and gate

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

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

| Date: 12/30/2021 | | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|---|

| SAM # | SKC Pump SN: |
|---|---|
| 1 | A119757 |
| 2 | A119740 |
| 3 | A119800 |
| 4 | A119792 |
| 5 | A119769 |

## SKC Pump SAM #1

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | 1120 | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | [Yes] | No | |
| Is the SKC pump still running? | | [Yes] | No | Additional Comments: |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20211229-30-SE-SAM1 | 1537 | 12/30/2021 | |
| **Flow Verification** | | | | |
| As Found Flow Verification (LPM): | | 2.05 LPM | | |
| **Was the flow adjusted?** | | [Yes] | No | |
| As Left Flow Verification (LPM): | | 2.02 LPM | | |
| Sample Installed | Sample ID: | Time | Date | |
| | 20211229-30-SE-SAM1 | 0852 | 12/29/2021 | |

## SKC Pump SAM #3

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | 1047 | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | [Yes] | No | |
| Is the SKC pump still running? | | [Yes] | No | Additional Comments: |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20211229-30-SE-SAM3 | 1534 | 12/30/2021 | |
| **Flow Verification** | | | | |
| As Found Flow Verification (LPM): | | 1.98 LPM | | |
| **Was the flow adjusted?** | | Yes | [No] | |
| As Left Flow Verification (LPM): | | 1.98 LPM | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20211229-30-SE-SAM3 | 0835 | 12/29/2021 | |

## SKC Pump SAM #2

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | 1047 | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | [Yes] | No | |
| Is the SKC pump still running? | | [Yes] | No | Additional Comments: |
| Sample Removed | Sample ID: | Time | Date | |
| | 20211229-30-SE-SAM2 | 1530 | 12/30/2021 | |
| **Flow Verification** | | | | |
| As Found Flow Verification (LPM): | | 1.90 LPM | | |
| **Was the flow adjusted?** | | [Yes] | No | |
| As Left Flow Verification (LPM): | | 2.03 LPM | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20211229-30-SE-SAM2 | 0928 | 12/29/2021 | |

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

| SKC Pump SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST): | | 1049 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20211229-30-SE-SAM4 | 1545 | 12/30/2021 | |
| Flow Verification | | | | |
| As Found Flow Verification (LPM): | | 1.91 LPM | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.02 LPM | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20211229-30-SE-SAM4 | 0933 | 12/29/2021 | |

| SKC Pump SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST): | | 1050 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20211229-30-SE-SAM5 | 1540 | 12/31/2021 | |
| Flow Verification | | | | |
| As Found Flow Verification (LPM): | | 1.94 LPM | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.02 LPM | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20211229-30-SE-SAM5 | 0852 | 12/29/2021 | |

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

Before leaving site:

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
5. Lock door and gate

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

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

| Date: 01/03/2022 | | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|---|

| SAM # | SKC Pump SN: |
|---|---|
| 1 | A119757 |
| 2 | A119740 |
| 3 | A119800 |
| 4 | A119792 |
| 5 | A119769 |

## SKC Pump SAM #1

| | | | |
|---|---|---|---|
| **Time (CST):** | | 1215 | |
| Is site free of damage or vandalism? | | [Yes] | No |
| Is the SKC pump still running? | | [Yes] | No |
| Sample Removed | Sample ID: | Time (CST) | Date |
| | | | |
| **Flow Verification** | | | |
| As Found Flow Verification (LPM): | | 2.01 LPM | |
| **Was the flow adjusted?** | | Yes | [No] |
| As Left Flow Verification (LPM): | | | |
| Sample Installed | Sample ID: | Time | Date |
| | 20220103-05-SE-SAM1 | 1216 | 1/3/2022 |

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments:

## SKC Pump SAM #3

| | | | |
|---|---|---|---|
| **Time (CST):** | | 1211 | |
| Is site free of damage or vandalism? | | [Yes] | No |
| Is the SKC pump still running? | | [Yes] | No |
| Sample Removed | Sample ID: | Time (CST) | Date |
| | | | |
| **Flow Verification** | | | |
| As Found Flow Verification (LPM): | | 2.00 LPM | |
| **Was the flow adjusted?** | | Yes | [No] |
| As Left Flow Verification (LPM): | | | |
| Sample Installed | Sample ID: | Time (CST) | Date |
| | 20220103-05-SE-SAM3 | 1212 | 1/3/2022 |

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments:

## SKC Pump SAM #2

| | | | |
|---|---|---|---|
| **Time (CST):** | | 1234 | |
| Is site free of damage or vandalism? | | [Yes] | No |
| Is the SKC pump still running? | | [Yes] | No |
| Sample Removed | Sample ID: | Time | Date |
| | | | |
| **Flow Verification** | | | |
| As Found Flow Verification (LPM): | | 2.05 LPM | |
| **Was the flow adjusted?** | | Yes | [No] |
| As Left Flow Verification (LPM): | | | |
| Sample Installed | Sample ID: | Time (CST) | Date |
| | 20220103-05-NE-SAM2 | 1235 | 1/3/2022 |

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments:

Ambient Air Quality Monitoring Network
Daily Air Quality Site Check Form

| SKC Pump SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST): | | 1228 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | | | | |
| Flow Verification | | | | |
| As Found Flow Verification (LPM): | | 2.04 LPM | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220103-05-NW-SAM4 | 1229 | 1/3/2022 | |

| SKC Pump SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| Time (CST): | | 1223 | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | | | | |
| Flow Verification | | | | |
| As Found Flow Verification (LPM): | | 2.04 LPM | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220103-05-SW-SAM5 | 1224 | 1/3/2022 | |

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

Before leaving site:

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
5. Lock door and gate

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

# SKC PUMP

| Date: 01/19/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | SKC Pump SN: |
|---|---|
| 1 | A119757 |
| 2 | A119740 |
| 3 | A119800 |
| 4 | A119792 |
| 5 | A119769 |

## SKC Pump SAM #1

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | **0814** | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220117 - 19 - SE - SAM 1 | 0813 | 01/19/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 1.90 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 1.99 | | |
| Sample Installed | Sample ID: | Time | Date | |
| | 20220117 - 19 - SE - SAM 1 | 0815 | 01/17/2022 | |

## SKC Pump SAM #3

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | **0811** | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220117 - 19 - SE - SAM 3 | 0807 | 01/19/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 1.90 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 1.99 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220117 - 19 - SE - SAM 3 | 0811 | 01/17/2022 | |

## SKC Pump SAM #2

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | **0757** | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: |
| Sample Removed | Sample ID: | Time | Date | |
| | 20220117 - 19 - NE - SAM 2 | 0758 | 01/19/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.17 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.01 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220117 - 19 - NE - SAM 2 | 0800 | 01/17/2022 | |

| SKC Pump SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | **0830** | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220117 - 19 - NW - SAM 4 | 0832 | 01/19/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 1.95 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.01 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220117 - 19 - NW - SAM 4 | 0839 | 01/17/2022 | |

| SKC Pump SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | **0826** | | Snow covered the solar panels forcing causing the station to shut down on the weekend |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220117 - 19 - SW - SAM 5 | 0823 | 01/19/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 1.96 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 1.99 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220117 - 19 - SW - SAM 5 | 0827 | 01/17/2022 | |

| **Safety Observation/Suggestion:** | Snow covers the solar panels causing the stations to malfunction over the weekends when no one is onsite to maintain. |
|---|---|

Before leaving site:

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
5. Lock door and gate

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

# SKC PUMP

| Date: 01/21/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | SKC Pump SN: |
|---|---|
| 1 | A119757 |
| 2 | A119740 |
| 3 | A119800 |
| 4 | A119792 |
| 5 | A119769 |

## SKC Pump SAM #1

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | **0814** | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | Yes | No | Pump flow found at 2.04 LPM after removing sample |
| Is the SKC pump still running? | | Yes | No | Additional Comments: |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220119 - 21 - SE - SAM 1 | 0853 | 01/21/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 1.90 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 1.99 | | |
| Sample Installed | Sample ID: | Time | Date | |
| | 20220119 - 21 - SE - SAM 1 | 0815 | 01/19/2022 | |

## SKC Pump SAM #3

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | **0811** | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | Yes | No | Pump flow found at 2.08 LPM after sample removal |
| Is the SKC pump still running? | | Yes | No | Additional Comments: |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220119 - 21 - SE - SAM 3 | 0840 | 01/21/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 1.90 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 1.99 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220119 - 21 - SE - SAM 3 | 0811 | 01/19/2022 | |

## SKC Pump SAM #2

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | **0757** | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | Yes | No | Pump flow found at 2.18 LPM after sample removal |
| Is the SKC pump still running? | | Yes | No | Additional Comments: |
| Sample Removed | Sample ID: | Time | Date | |
| | 20220119 - 21 - NE - SAM 2 | 0834 | 01/21/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.17 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.01 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220119 - 21 - NE - SAM 2 | 0800 | 01/19/2022 | |

| SKC Pump SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | **0830** | | Pump flow found at 2.17 LPM after sample removal |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220119 - 21 - NW - SAM 4 | 0909 | 01/21/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 1.95 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.01 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220119 - 21 - NW - SAM 4 | 0839 | 01/19/2022 | |

| SKC Pump SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | **0826** | | Pump flow found at 2.01 LPM after sample removal |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220119 - 21 - SW - SAM 5 | 0902 | 01/19/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 1.96 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 1.99 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220119 - 21 - SW - SAM 5 | 0827 | 01/19/2022 | |

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

Before leaving site:

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
5. Lock door and gate

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

# SKC PUMP

| Date: 01/26/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | SKC Pump SN: |
|---|---|
| 1 | A119757 |
| 2 | A119740 |
| 3 | A119800 |
| 4 | A119792 |
| 5 | A119769 |

## SKC Pump SAM #1

| Time (CST): | | 0903 | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| Is the SKC pump still running? | | Yes | No |
| Sample Removed | Sample ID: | Time (CST) | Date |
| | 20220124 - 26 - SE - SAM 1 | 0753 | 01/26/2022 |
| **Flow Verification** | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | |
| As Found Flow Verification (LPM): | | 1.85 | |
| **Was the flow adjusted?** | | Yes | No |
| As Left Flow Verification (LPM): | | 2.00 | |
| Sample Installed | Sample ID: | Time | Date |
| | 20220124 - 26 - SE - SAM 1 | 0818 | 01/24/2022 |

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments:

## SKC Pump SAM #3

| Time (CST): | | 0903 | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| Is the SKC pump still running? | | Yes | No |
| Sample Removed | Sample ID: | Time (CST) | Date |
| | 20220124 - 26 - SE - SAM 3 | 0746 | 01/26/2022 |
| **Flow Verification** | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | |
| As Found Flow Verification (LPM): | | 1.90 | |
| **Was the flow adjusted?** | | Yes | No |
| As Left Flow Verification (LPM): | | 2.00 | |
| Sample Installed | Sample ID: | Time (CST) | Date |
| | 20220124 - 26 - SE - SAM 3 | 0807 | 01/24/2022 |

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments:

## SKC Pump SAM #2

| Time (CST): | | 0903 | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| Is the SKC pump still running? | | Yes | No |
| Sample Removed | Sample ID: | Time | Date |
| | 20220124 - 26 - NE - SAM 2 | 0738 | 01/26/2022 |
| **Flow Verification** | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | |
| As Found Flow Verification (LPM): | | 1.85 | |
| **Was the flow adjusted?** | | Yes | No |
| As Left Flow Verification (LPM): | | 2.00 | |
| Sample Installed | Sample ID: | Time (CST) | Date |
| | 20220124 - 26 - NE - SAM 2 | 0759 | 01/24/2022 |

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments:

| SKC Pump SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | **0903** | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220124 - 26 - NW - SAM 4 | 0811 | 01/26/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 1.86 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.02 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220124 - 26 - NW - SAM 4 | 0838 | 01/24/2022 | |

| SKC Pump SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | **0903** | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220124 - 26 - SW - SAM 5 | 0803 | 01/26/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 1.95 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.01 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220124 - 26 - SW - SAM 5 | 0828 | 01/24/2022 | |

| **Safety Observation/Suggestion:** | Snow covers the solar panels causing the stations to malfunction over the weekends when no one is onsite to maintain. |
|---|---|

Before leaving site:

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
5. Lock door and gate

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

# SKC PUMP

| Date: 01/28/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | SKC Pump SN: |
|---|---|
| 1 | A119757 |
| 2 | A119740 |
| 3 | A119800 |
| 4 | A119792 |
| 5 | A119769 |

## SKC Pump SAM #1

| Time (CST): | | 0903 | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| Is the SKC pump still running? | | Yes | No |
| Sample Removed | Sample ID: | Time (CST) | Date |
| | 20220126 - 28 - SE - SAM 1 | 0803 | 01/28/2022 |
| **Flow Verification** | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | |
| As Found Flow Verification (LPM): | | 2.10 | |
| **Was the flow adjusted?** | | Yes | No |
| As Left Flow Verification (LPM): | | 1.98 | |
| Sample Installed | Sample ID: | Time | Date |
| | 20220126 - 28 - SE - SAM 1 | 0935 | 01/26/2022 |

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments:

## SKC Pump SAM #2

| Time (CST): | | 0903 | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| Is the SKC pump still running? | | Yes | No |
| Sample Removed | Sample ID: | Time (CST) | Date |
| | 20220126 - 28 - SE - SAM 2 | 0750 | 01/28/2022 |
| **Flow Verification** | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | |
| As Found Flow Verification (LPM): | | 2.13 | |
| **Was the flow adjusted?** | | Yes | No |
| As Left Flow Verification (LPM): | | 2.01 | |
| Sample Installed | Sample ID: | Time (CST) | Date |
| | 20220126 - 28 - SE - SAM 2 | 0921 | 01/26/2022 |

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments:

## SKC Pump SAM #3

| Time (CST): | | 0903 | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| Is the SKC pump still running? | | Yes | No |
| Sample Removed | Sample ID: | Time | Date |
| | 20220126 - 28 - NE - SAM 3 | 0756 | 01/28/2022 |
| **Flow Verification** | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | |
| As Found Flow Verification (LPM): | | 2.10 | |
| **Was the flow adjusted?** | | Yes | No |
| As Left Flow Verification (LPM): | | 2.00 | |
| Sample Installed | Sample ID: | Time (CST) | Date |
| | 20220126 - 28 - NE - SAM 3 | 0930 | 01/26/2022 |

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments:

| SKC Pump SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | **0903** | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220126 - 28 - NW - SAM 4 | 0822 | 01/28/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.25 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.03 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220126 - 28 - NW - SAM 4 | 0944 | 01/26/2022 | |

| SKC Pump SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | **0903** | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220126 - 28 - SW - SAM 5 | 0810 | 01/28/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.08 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.02 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220126 - 28 - SW - SAM 5 | 0939 | 01/26/2022 | |

| **Safety Observation/Suggestion:** | Snow covers the solar panels causing the stations to malfunction over the weekends when no one is onsite to maintain. |
|---|---|

Before leaving site:

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
5. Lock door and gate

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

# SKC PUMP

| Date: 02/02/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | SKC Pump SN: |
|---|---|
| 1 | A119757 |
| 2 | A119740 |
| 3 | A119800 |
| 4 | A119792 |
| 5 | A119769 |

## SKC Pump SAM #1

| Time (CST): | | 0903 | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| Is the SKC pump still running? | | Yes | No |
| Sample Removed | Sample ID: | Time (CST) | Date |
| | 20220131 - 0202 - SE - SAM 1 | 0847 | 02/02/2022 |
| **Flow Verification** | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | |
| As Found Flow Verification (LPM): | | 2.00 | |
| **Was the flow adjusted?** | | Yes | No |
| As Left Flow Verification (LPM): | | 2.00 | |
| Sample Installed | Sample ID: | Time | Date |
| | 20220131 - 0202 - SE - SAM 1 | 0807 | 01/31/2022 |

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments:

## SKC Pump SAM #2

| Time (CST): | | 0903 | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| Is the SKC pump still running? | | Yes | No |
| Sample Removed | Sample ID: | Time (CST) | Date |
| | 20220131 - 0202 - SE - SAM 2 | 0813 | 02/02/2022 |
| **Flow Verification** | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | |
| As Found Flow Verification (LPM): | | 1.99 | |
| **Was the flow adjusted?** | | Yes | No |
| As Left Flow Verification (LPM): | | 1.99 | |
| Sample Installed | Sample ID: | Time (CST) | Date |
| | 20220131 - 0202 - SE - SAM 2 | 0754 | 01/31/2022 |

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments:

## SKC Pump SAM #3

| Time (CST): | | 0903 | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| Is the SKC pump still running? | | Yes | No |
| Sample Removed | Sample ID: | Time | Date |
| | 20220131 - 0202 - NE - SAM 3 | 0834 | 02/02/2022 |
| **Flow Verification** | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | |
| As Found Flow Verification (LPM): | | 2.03 | |
| **Was the flow adjusted?** | | Yes | No |
| As Left Flow Verification (LPM): | | 2.01 | |
| Sample Installed | Sample ID: | Time (CST) | Date |
| | 20220131 - 0202 - NE - SAM 3 | 0801 | 01/31/2022 |

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments:

| SKC Pump SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | **0903** | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220131 - 0202 - NW - SAM 4 | 0854 | 02/02/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 1.80 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.01 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220131 - 0202 - NW - SAM 4 | 0827 | 01/31/2022 | |

| SKC Pump SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | **0903** | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220131 - 0202 - SW - SAM 5 | 0849 | 02/02/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.05 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.01 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220131 - 0202 - SW - SAM 5 | 0817 | 01/31/2022 | |

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

Before leaving site:

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
5. Lock door and gate

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

# SKC PUMP

| Date: 02/03/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | SKC Pump SN: |
|---|---|
| 1 | A119757 |
| 2 | A119740 |
| 3 | A119800 |
| 4 | A119792 |
| 5 | A119769 |

## SKC Pump SAM #1

| Time (CST): | | 0903 | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| Is the SKC pump still running? | | Yes | No |
| Sample Removed | Sample ID: | Time (CST) | Date |
| | 20220202 - 03 - SE - SAM 1 | 1709 | 02/04/2022 |
| **Flow Verification** | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | |
| As Found Flow Verification (LPM): | | 1.90 | |
| **Was the flow adjusted?** | | Yes | No |
| As Left Flow Verification (LPM): | | 2.00 | |
| Sample Installed | Sample ID: | Time | Date |
| | 20220202 - 03 - SE - SAM 1 | 1004 | 02/02/2022 |

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments:

## SKC Pump SAM #2

| Time (CST): | | 0903 | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| Is the SKC pump still running? | | Yes | No |
| Sample Removed | Sample ID: | Time (CST) | Date |
| | 20220202 - 03 - SE - SAM 2 | 1720 | 02/04/2022 |
| **Flow Verification** | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | |
| As Found Flow Verification (LPM): | | 1.90 | |
| **Was the flow adjusted?** | | Yes | No |
| As Left Flow Verification (LPM): | | 2.01 | |
| Sample Installed | Sample ID: | Time (CST) | Date |
| | 20220202 - 03 - SE - SAM 2 | 0953 | 02/02/2022 |

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments:

## SKC Pump SAM #3

| Time (CST): | | 0903 | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| Is the SKC pump still running? | | Yes | No |
| Sample Removed | Sample ID: | Time | Date |
| | 20220202 - 03 - NE - SAM 3 | 1703 | 02/04/2022 |
| **Flow Verification** | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | |
| As Found Flow Verification (LPM): | | 1.90 | |
| **Was the flow adjusted?** | | Yes | No |
| As Left Flow Verification (LPM): | | 1.99 | |
| Sample Installed | Sample ID: | Time (CST) | Date |
| | 20220202 - 03 - NE - SAM 3 | 1003 | 02/02/2022 |

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments:

| SKC Pump SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | **0903** | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220202 - 03 - NW - SAM 4 | 1715 | 02/04/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 1.99 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 1.99 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220202 - 03 - NW - SAM 4 | 1013 | 02/02/2022 | |

| SKC Pump SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | **0903** | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220202 - 03 - SW - SAM 5 | 1710 | 02/04/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 1.99 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 1.99 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220202 - 03 - SW - SAM 5 | 1009 | 02/02/2022 | |

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

Before leaving site:

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
5. Lock door and gate

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

# SKC PUMP

| Date: 02/09/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | SKC Pump SN: |
|---|---|
| 1 | A119757 |
| 2 | A119740 |
| 3 | A119800 |
| 4 | A119792 |
| 5 | A119769 |

## SKC Pump SAM #1

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | **1058** | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220207 - 09 - SE - SAM 1 | 0750 | 02/09/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.03 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.03 | | |
| Sample Installed | Sample ID: | Time | Date | |
| | 20220207 - 09 - SE - SAM 1 | 0828 | 02/07/2022 | |

## SKC Pump SAM #2

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | **1058** | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220207 - 09 - SE - SAM 2 | 0738 | 02/09/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 1.93 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 1.98 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220207 - 09 - SE - SAM 2 | 0834 | 02/07/2022 | |

## SKC Pump SAM #3

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | **1058** | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: |
| Sample Removed | Sample ID: | Time | Date | |
| | 20220207 - 09 - NE - SAM 3 | 0745 | 02/09/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.08 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 1.99 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220207 - 09 - NE - SAM 3 | 0822 | 02/07/2022 | |

| SKC Pump SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | **1058** | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220207 - 09 - NW - SAM 4 | 0808 | 02/09/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 1.99 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 1.99 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220207 - 09 - NW - SAM 4 | 1013 | 02/07/2022 | |

| SKC Pump SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | **1058** | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220207 - 09 - SW - SAM 5 | 0759 | 02/09/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.06 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.02 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220207 - 09 - SW - SAM 5 | 0814 | 02/07/2022 | |

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

Before leaving site:

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
5. Lock door and gate

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

# SKC PUMP

| Date: 02/11/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | SKC Pump SN: |
|---|---|
| 1 | A119757 |
| 2 | A119740 |
| 3 | A119800 |
| 4 | A119792 |
| 5 | A119769 |

## SKC Pump SAM #1

| Time (CST): | | 1058 | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| Is the SKC pump still running? | | Yes | No |
| Sample Removed | Sample ID: | Time (CST) | Date |
| | 20220209 - 11 - SE - SAM 1 | 0744 | 02/11/2022 |
| **Flow Verification** | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | |
| As Found Flow Verification (LPM): | | 2.07 | |
| **Was the flow adjusted?** | | Yes | No |
| As Left Flow Verification (LPM): | | 1.99 | |
| Sample Installed | Sample ID: | Time | Date |
| | 20220209 - 11 - SE - SAM 1 | 1211 | 02/09/2022 |

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments:

## SKC Pump SAM #2

| Time (CST): | | 1058 | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| Is the SKC pump still running? | | Yes | No |
| Sample Removed | Sample ID: | Time (CST) | Date |
| | 20220209 - 11 - SE - SAM 2 | 0738 | 02/11/2022 |
| **Flow Verification** | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | |
| As Found Flow Verification (LPM): | | 2.12 | |
| **Was the flow adjusted?** | | Yes | No |
| As Left Flow Verification (LPM): | | 1.98 | |
| Sample Installed | Sample ID: | Time (CST) | Date |
| | 20220209 - 11 - SE - SAM 2 | 1203 | 02/09/2022 |

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments:

## SKC Pump SAM #3

| Time (CST): | | 1058 | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| Is the SKC pump still running? | | Yes | No |
| Sample Removed | Sample ID: | Time | Date |
| | 20220209 - 11 - NE - SAM 3 | 0742 | 02/11/2022 |
| **Flow Verification** | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | |
| As Found Flow Verification (LPM): | | 2.02 | |
| **Was the flow adjusted?** | | Yes | No |
| As Left Flow Verification (LPM): | | 2.02 | |
| Sample Installed | Sample ID: | Time (CST) | Date |
| | 20220209 - 11 - NE - SAM 3 | 1207 | 02/09/2022 |

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments:

| SKC Pump SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | **1058** | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220209 - 11 - NW - SAM 4 | 0752 | 02/11/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 1.90 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.02 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220209 - 11 - NW - SAM 4 | 1222 | 02/09/2022 | |

| SKC Pump SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | **1058** | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220209 - 11 - SW - SAM 5 | 0804 | 02/11/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.00 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.00 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220209 - 11 - SW - SAM 5 | 1217 | 02/09/2022 | |

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

Before leaving site:

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
5. Lock door and gate

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

# SKC PUMP

| Date: 02/16/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | SKC Pump SN: |
|---|---|
| 1 | A119757 |
| 2 | A119740 |
| 3 | A119800 |
| 4 | A119792 |
| 5 | A119769 |

## SKC Pump SAM #1

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | **1023** | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: Ending flow rate = 2.03 adjusted to 1.99 after sample removal |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220214 - 16 - SE - SAM 1 | 0813 | 02/16/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 1.92 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.00 | | |
| Sample Installed | Sample ID: | Time | Date | |
| | 20220214 - 16 - SE - SAM 1 | 0849 | 02/14/2022 | |

## SKC Pump SAM #2

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | **1023** | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: Ending flow rate = 1.93 adjusted to 1.98 after sample removal |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220214 - 16 - SE - SAM 2 | 0800 | 02/16/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.00 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.00 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220214 - 16 - SE - SAM 2 | 0834 | 02/14/2022 | |

## SKC Pump SAM #3

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | **1023** | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: Ending flow rate = 2.01 LPM after sample removal |
| Sample Removed | Sample ID: | Time | Date | |
| | 20220214 - 16 - NE - SAM 3 | 0807 | 02/16/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 1.99 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 1.99 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220214 - 16 - NE - SAM 3 | 0843 | 02/14/2022 | |

| SKC Pump SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | **1023** | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: End flow rate = 2.02 after sample removal |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220214 - 16 - NW - SAM 4 | 0830 | 02/16/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 1.99 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 1.99 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220214 - 16 - NW - SAM 4 | 0908 | 02/14/2022 | |

| SKC Pump SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | **1023** | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: End flow rater = 2.05 adjusted to 2.01 after sample removal |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220214 - 16 - SW - SAM 5 | 0822 | 02/16/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 1.96 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.00 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220214 - 16 - SW - SAM 5 | 0858 | 02/14/2022 | |

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

Before leaving site:

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
5. Lock door and gate

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

# SKC PUMP

| Date: 02/18/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | SKC Pump SN: |
|---|---|
| 1 | A119757 |
| 2 | A119740 |
| 3 | A119800 |
| 4 | A119792 |
| 5 | A119769 |

## SKC Pump SAM #1

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | **1056** | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: Ending flow rate = 1.85 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220216 - 18 - SE - SAM 1 | 0733 | 02/18/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.03 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 1.99 | | |
| Sample Installed | Sample ID: | Time | Date | |
| | 20220216 - 18 - SE - SAM 1 | 0851 | 02/16/2022 | |

## SKC Pump SAM #2

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | **1056** | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: Ending flow rate = 2.09 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220216 - 18 - SE - SAM 2 | 0638 | 02/18/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 1.93 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 1.98 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220216 - 18 - SE - SAM 2 | 0856 | 02/16/2022 | |

## SKC Pump SAM #3

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | **1056** | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: Ending flow rate = 1.89 LPM |
| Sample Removed | Sample ID: | Time | Date | |
| | 20220216 - 18 - NE - SAM 3 | 0728 | 02/18/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.01 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.01 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220216 - 18 - NE - SAM 3 | 0848 | 02/16/2022 | |

| SKC Pump SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | **1056** | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: End flow rate = 2.15 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220216 - 18 - NW - SAM 4 | 0657 | 02/18/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.02 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.02 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220216 - 18 - NW - SAM 4 | 0840 | 02/16/2022 | |

| SKC Pump SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | **1056** | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: End flow rate = 2.13 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220216 - 18 - SW - SAM 5 | 0715 | 02/18/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.05 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.01 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220216 - 18 - SW - SAM 5 | 0844 | 02/16/2022 | |

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

Before leaving site:

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
5. Lock door and gate

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

# SKC PUMP

| Date: 02/23/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | SKC Pump SN: |
|---|---|
| 1 | A119757 |
| 2 | A119740 |
| 3 | A119800 |
| 4 | A119792 |
| 5 | A119769 |

## SKC Pump SAM #1

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | **1043** | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: Ending flow rate = 1.94 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220221 - 23 - SE - SAM 1 | 0759 | 02/23/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.01 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.01 | | |
| Sample Installed | Sample ID: | Time | Date | |
| | 20220221 - 23 - SE - SAM 1 | 0755 | 02/21/2022 | |

## SKC Pump SAM #2

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | **1043** | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: Ending flow rate = 1.97 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220221 - 23 - SE - SAM 2 | 0747 | 02/23/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.02 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.00 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220221 - 23 - SE - SAM 2 | 0745 | 02/21/2022 | |

## SKC Pump SAM #3

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | **1043** | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: Ending flow rate = 1.96 LPM |
| Sample Removed | Sample ID: | Time | Date | |
| | 20220221 - 23 - NE - SAM 3 | 0753 | 02/23/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.04 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.00 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220221 - 23 - NE - SAM 3 | 0751 | 02/21/2022 | |

| SKC Pump SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | **1043** | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: End flow rate = 1.88 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220221 - 23 - NW - SAM 4 | 0814 | 02/23/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.04 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.00 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220221 - 23 - NW - SAM 4 | 0815 | 02/21/2022 | |

| SKC Pump SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | **1043** | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: End flow rate = 1.95 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220221 - 23 - SW - SAM 5 | 0807 | 02/23/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.03 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.01 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220221 - 23 - SW - SAM 5 | 0848 | 02/21/2022 | |

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

Before leaving site:

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
5. Lock door and gate

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

# SKC PUMP

| Date: 02/25/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | SKC Pump SN: |
|---|---|
| 1 | A119757 |
| 2 | A119740 |
| 3 | A119800 |
| 4 | A119792 |
| 5 | A119769 |

## SKC Pump SAM #1

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | **1025** | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: Ending flow rate = 2.01 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220223 - 25 - SE - SAM 1 | 0940 | 02/25/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 1.94 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.01 | | |
| Sample Installed | Sample ID: | Time | Date | |
| | 20220223 - 25 - SE - SAM 1 | 0900 | 02/23/2022 | |

## SKC Pump SAM #2

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | **1025** | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: Ending flow rate = 1.95 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220223 - 25 - SE - SAM 2 | 0931 | 02/25/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 1.97 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.01 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220223 - 25 - SE - SAM 2 | 0846 | 02/23/2022 | |

## SKC Pump SAM #3

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | **1025** | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: Ending flow rate = 1.99 LPM |
| Sample Removed | Sample ID: | Time | Date | |
| | 20220223 - 25 - NE - SAM 3 | 0935 | 02/25/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 1.96 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.01 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220223 - 25 - NE - SAM 3 | 0858 | 02/23/2022 | |

| SKC Pump SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | **1025** | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: End flow rate = 2.08 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220223 - 25 - NW - SAM 4 | 0954 | 02/25/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 1.88 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.00 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220223 - 25 - NW - SAM 4 | 0911 | 02/23/2022 | |

| SKC Pump SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | **1025** | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: End flow rate = 2.08 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220223 - 25 - SW - SAM 5 | 0948 | 02/25/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 1.95 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.01 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220223 - 25 - SW - SAM 5 | 0905 | 02/23/2022 | |

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

Before leaving site:

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
5. Lock door and gate

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

# SKC PUMP

| Date: 03/02/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | SKC Pump SN: |
|---|---|
| 1 | A119757 |
| 2 | A119740 |
| 3 | A119800 |
| 4 | A119792 |
| 5 | A119769 |

## SKC Pump SAM #1

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | **0900** | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: Ending flow rate = 2.00 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220228 - 0302 - SE - SAM 1 | 0842 | 03/02/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.07 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 1.99 | | |
| Sample Installed | Sample ID: | Time | Date | |
| | 20220228 - 0302 - SE - SAM 1 | 0812 | 02/28/2022 | |

## SKC Pump SAM #2

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | **0900** | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: Ending flow rate = 2.00 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220228 - 0302 - SE - SAM 2 | 0831 | 03/02/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.04 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 1.99 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220228 - 0302 - SE - SAM 2 | 0759 | 02/28/2022 | |

## SKC Pump SAM #3

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | **0900** | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: Ending flow rate = 2.02 LPM |
| Sample Removed | Sample ID: | Time | Date | |
| | 20220228 - 0302 - NE - SAM 3 | 0837 | 03/02/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.01 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.01 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220228 - 0302 - NE - SAM 3 | 0858 | 02/28/2022 | |

| SKC Pump SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | **0900** | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: End flow rate = 2.03 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220228 - 0302 - NW - SAM 4 | 0854 | 03/02/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.11 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.00 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220228 - 0302 - NW - SAM 4 | 0827 | 02/28/2022 | |

| SKC Pump SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | **0900** | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: End flow rate = 2.04 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220228 - 0302 - SW - SAM 5 | 0847 | 03/02/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.09 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.01 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220228 - 0302 - SW - SAM 5 | 0821 | 02/28/2022 | |

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

Before leaving site:

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
5. Lock door and gate

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

# SKC PUMP

| Date: 03/04/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | SKC Pump SN: |
|---|---|
| 1 | A119757 |
| 2 | A119740 |
| 3 | A119800 |
| 4 | A119792 |
| 5 | A119769 |

## SKC Pump SAM #1

| Time (CST): | | 0900 | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| Is the SKC pump still running? | | Yes | No |
| Sample Removed | Sample ID: | Time (CST) | Date |
| | 20220302 - 04 - SE - SAM 1 | 0840 | 03/04/2022 |
| **Flow Verification** | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | |
| As Found Flow Verification (LPM): | | 2.00 | |
| **Was the flow adjusted?** | | Yes | No |
| As Left Flow Verification (LPM): | | 2.00 | |
| Sample Installed | Sample ID: | Time | Date |
| | 20220302 - 04 - SE - SAM 1 | 1123 | 03/02/2022 |

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments: Ending flow rate = 1.99 LPM

## SKC Pump SAM #2

| Time (CST): | | 0900 | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| Is the SKC pump still running? | | Yes | No |
| Sample Removed | Sample ID: | Time (CST) | Date |
| | 20220302 - 04 - SE - SAM 2 | 0830 | 03/04/2022 |
| **Flow Verification** | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | |
| As Found Flow Verification (LPM): | | 2.00 | |
| **Was the flow adjusted?** | | Yes | No |
| As Left Flow Verification (LPM): | | 2.00 | |
| Sample Installed | Sample ID: | Time (CST) | Date |
| | 20220302 - 04 - SE - SAM 2 | 1116 | 03/02/2022 |

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments: Ending flow rate = 2.04 LPM

## SKC Pump SAM #3

| Time (CST): | | 0900 | |
|---|---|---|---|
| Is site free of damage or vandalism? | | Yes | No |
| Is the SKC pump still running? | | Yes | No |
| Sample Removed | Sample ID: | Time | Date |
| | 20220302 - 04 - SE - SAM 3 | 0836 | 03/04/2022 |
| **Flow Verification** | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | |
| As Found Flow Verification (LPM): | | 2.02 | |
| **Was the flow adjusted?** | | Yes | No |
| As Left Flow Verification (LPM): | | 1.99 | |
| Sample Installed | Sample ID: | Time (CST) | Date |
| | 20220302 - 04 - SE - SAM 3 | 1120 | 03/02/2022 |

Observations (Site Conditions, Equipment Conditions, etc.):

Additional Comments: Ending flow rate = 2.00 LPM

| SKC Pump SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | **0900** | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: End flow rate = 1.97 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220302 - 04 - SE - SAM 4 | 0850 | 03/04/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.03 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.00 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220302 - 04 - SE - SAM 4 | 1130 | 03/02/2022 | |

| SKC Pump SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | **0900** | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: End flow rate = 1.97 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220302 - 04 - SE - SAM 5 | 0845 | 03/04/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.04 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.00 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220302 - 04 - SE - SAM 5 | 1126 | 03/02/2022 | |

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

Before leaving site:

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
5. Lock door and gate

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

# SKC PUMP

| Date: 03/23/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | SKC Pump SN: |
|---|---|
| 1 | A119757 |
| 2 | A119740 |
| 3 | A119800 |
| 4 | A119792 |
| 5 | A119769 |

## SKC Pump SAM #1

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | **0941** | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: Ending flow rate = 2.01 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220321 - 23 - SE - SAM 1 | 0846 | 03/23/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 1.97 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.01 | | |
| Sample Installed | Sample ID: | Time | Date | |
| | 20220321 - 23 - SE - SAM 1 | 0801 | 03/21/2022 | |

## SKC Pump SAM #2

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | **0941** | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: Ending flow rate = 2.07 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220321 - 23 - SE - SAM 2 | 0832 | 03/23/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 1.88 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.00 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220321 - 23 - SE - SAM 2 | 0751 | 03/21/2022 | |

## SKC Pump SAM #3

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | **0941** | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: Ending flow rate = 2.05 LPM |
| Sample Removed | Sample ID: | Time | Date | |
| | 20220321 - 23 - SE - SAM 3 | 0839 | 03/23/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 1.95 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.01 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220321 - 23 - SE - SAM 3 | 0756 | 03/21/2022 | |

| SKC Pump SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | **0941** | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: End flow rate = 2.04 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220321 - 23 - SE - SAM 4 | 0859 | 03/23/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 1.87 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.01 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220321 - 23 - SE - SAM 4 | 0816 | 03/21/2022 | |

| SKC Pump SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | **0941** | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: End flow rate = 2.04 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220321 - 23 - SE - SAM 5 | 0854 | 03/23/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 1.91 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.02 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220321 - 23 - SE - SAM 5 | 0811 | 03/21/2022 | |

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

Before leaving site:

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
5. Lock door and gate

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

# SKC PUMP

| Date: 03/25/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | SKC Pump SN: |
|---|---|
| 1 | A119757 |
| 2 | A119740 |
| 3 | A119800 |
| 4 | A119792 |
| 5 | A119769 |

## SKC Pump SAM #1

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | **0941** | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: Ending flow rate = 1.98 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220323 - 25 - SE - SAM 1 | 0749 | 03/25/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.01 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.01 | | |
| Sample Installed | Sample ID: | Time | Date | |
| | 20220323 - 25 - SE - SAM 1 | 1410 | 03/23/2022 | |

## SKC Pump SAM #2

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | **0941** | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: Ending flow rate = 1.97 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220323 - 25 - SE - SAM 2 | 0740 | 03/25/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.07 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 1.99 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220323 - 25 - SE - SAM 2 | 1403 | 03/23/2022 | |

## SKC Pump SAM #3

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | **0941** | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: Ending flow rate = 1.98 |
| Sample Removed | Sample ID: | Time | Date | |
| | 20220323 - 25 - SE - SAM 3 | 0745 | 03/25/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.05 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.01 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220323 - 25 - SE - SAM 3 | 1405 | 03/23/2022 | |

| SKC Pump SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | **0941** | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: End flow rate = 1.98 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220323 - 25 - SE - SAM 4 | 0759 | 03/25/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.04 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.00 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220323 - 25 - SE - SAM 4 | 1415 | 03/23/2022 | |

| SKC Pump SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | **0941** | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: End flow rate = 1.95 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220323 - 25 - SE - SAM 5 | 0756 | 03/25/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.04 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.00 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220323 - 25 - SE - SAM 5 | 1413 | 03/23/2022 | |

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

Before leaving site:

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
5. Lock door and gate

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

# SKC PUMP

| Date: 03/28/2022 - 03/30/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | SKC Pump SN: |
|---|---|
| 1 | A119757 |
| 2 | A119740 |
| 3 | A119800 |
| 4 | A119792 |
| 5 | A119769 |

## SKC Pump SAM #1

Observations (Site Conditions, Equipment Conditions, etc.):

| | | | |
|---|---|---|---|
| **Time (CST):** | | **0941** | |
| Is site free of damage or vandalism? | | Yes | No |
| Is the SKC pump still running? | | Yes | No |
| Sample Removed | Sample ID: | Time (CST) | Date |
| | 20220328 - 30 - SE - SAM 1 | 0758 | 03/30/2022 |
| **Flow Verification** | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | |
| As Found Flow Verification (LPM): | | 1.97 | |
| **Was the flow adjusted?** | | Yes | No |
| As Left Flow Verification (LPM): | | 2.01 | |
| Sample Installed | Sample ID: | Time | Date |
| | 20220328 - 30 - SE - SAM 1 | 0809 | 03/28/2022 |

Additional Comments: Ending flow rate = 2.07 LPM

## SKC Pump SAM #2

Observations (Site Conditions, Equipment Conditions, etc.):

| | | | |
|---|---|---|---|
| **Time (CST):** | | **0941** | |
| Is site free of damage or vandalism? | | Yes | No |
| Is the SKC pump still running? | | Yes | No |
| Sample Removed | Sample ID: | Time (CST) | Date |
| | 20220328 - 30 - SE - SAM 2 | 0740 | 03/30/2022 |
| **Flow Verification** | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | |
| As Found Flow Verification (LPM): | | 1.93 | |
| **Was the flow adjusted?** | | Yes | No |
| As Left Flow Verification (LPM): | | 1.99 | |
| Sample Installed | Sample ID: | Time (CST) | Date |
| | 20220328 - 30 - SE - SAM 2 | 0755 | 03/28/2022 |

Additional Comments: Ending flow rate = 2.07 LPM

## SKC Pump SAM #3

Observations (Site Conditions, Equipment Conditions, etc.):

| | | | |
|---|---|---|---|
| **Time (CST):** | | **0941** | |
| Is site free of damage or vandalism? | | Yes | No |
| Is the SKC pump still running? | | Yes | No |
| Sample Removed | Sample ID: | Time | Date |
| | 20220328 - 30 - SE - SAM 3 | 0753 | 03/30/2022 |
| **Flow Verification** | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | |
| As Found Flow Verification (LPM): | | 1.97 | |
| **Was the flow adjusted?** | | Yes | No |
| As Left Flow Verification (LPM): | | 2.01 | |
| Sample Installed | Sample ID: | Time (CST) | Date |
| | 20220328 - 30 - SE - SAM 3 | 0802 | 03/28/2022 |

Additional Comments: Ending flow rate = 2.05 LPM

| SKC Pump SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | **0941** | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: End flow rate = 2.09 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220328 - 30 - SE - SAM 4 | 0805 | 03/30/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 1.90 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.00 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220328 - 30 - SE - SAM 4 | 0826 | 03/28/2022 | |

| SKC Pump SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | **0941** | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: End flow rate = 2.07 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220328 - 30 - SE - SAM 5 | 0802 | 03/30/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 1.93 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.01 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220328 - 30 - SE - SAM 5 | 0821 | 03/28/2022 | |

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

Before leaving site:

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
5. Lock door and gate

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

# SKC PUMP

| Date: 03/30/2022 - 04/01/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | SKC Pump SN: |
|---|---|
| 1 | A119757 |
| 2 | A119740 |
| 3 | A119800 |
| 4 | A119792 |
| 5 | A119769 |

## SKC Pump SAM #1

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | **0941** | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: Ending flow rate = 1.93 LPM\ |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220330 - 0401 - SE - SAM 1 | 0812 | 04/01/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.07 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.00 | | |
| Sample Installed | Sample ID: | Time | Date | |
| | 20220330 - 0401 - SE - SAM 1 | 1159 | 03/30/2022 | |

## SKC Pump SAM #2

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | **0941** | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: Ending flow rate = 1.93 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220330 - 0401 - SE - SAM 2 | 0751 | 04/01/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.07 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.00 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220330 - 0401 - SE - SAM 2 | 1154 | 03/30/2022 | |

## SKC Pump SAM #3

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | **0941** | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: Ending flow rate = 1.97 LPM |
| Sample Removed | Sample ID: | Time | Date | |
| | 20220330 - 0401 - SE - SAM 3 | 0807 | 04/01/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.05 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.01 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220330 - 0401 - SE - SAM 3 | 1156 | 03/30/2022 | |

| SKC Pump SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | **0941** | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: End flow rate = 1.95 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220330 - 0401 - SE - SAM 4 | 0802 | 04/01/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.09 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.00 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220330 - 0401 - SE - SAM 4 | 1203 | 03/30/2022 | |

| SKC Pump SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | **0941** | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: End flow rate = 1.95 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220330 - 0401 - SE - SAM 5 | 0754 | 04/01/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.07 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.02 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220330 - 0401 - SE - SAM 5 | 1205 | 03/30/2022 | |

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

Before leaving site:

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
5. Lock door and gate

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

# SKC PUMP

| Date: 04/18/2022 - 04/20/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | SKC Pump SN: |
|---|---|
| 1 | A119757 |
| 2 | A119740 |
| 3 | A119800 |
| 4 | A119792 |
| 5 | A119769 |

## SKC Pump SAM #1

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | **0927** | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: Ending flow rate = 1.99 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 202204118 - 0420 - SE - SAM 1 | 0730 | 04/20/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 1.97 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.01 | | |
| Sample Installed | Sample ID: | Time | Date | |
| | 202204118 - 0420 - SE - SAM 1 | 0835 | 04/18/2022 | |

## SKC Pump SAM #2

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | **0927** | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: Ending flow rate = 2.04 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 202204118 - 0420 - SE - SAM 2 | 0717 | 04/20/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 1.93 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.00 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 202204118 - 0420 - SE - SAM 2 | 0849 | 04/18/2022 | |

## SKC Pump SAM #3

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | **0927** | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: Ending flow rate = 2.94 LPM |
| Sample Removed | Sample ID: | Time | Date | |
| | 202204118 - 0420 - SE - SAM 3 | 0726 | 04/20/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.04 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.02 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 202204118 - 0420 - SE - SAM 3 | 0829 | 04/18/2022 | |

| SKC Pump SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | **0927** | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: End flow rate = 2.02 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 202204118 - 0420 - SE - SAM 4 | 0708 | 04/20/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 1.93 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.00 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 202204118 - 0420 - SE - SAM 4 | 0849 | 04/18/2022 | |

| SKC Pump SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | **0927** | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: End flow rate = 2.02 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 202204118 - 0420 - SE - SAM 5 | 0705 | 04/20/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 1.95 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.01 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 202204118 - 0420 - SE - SAM 5 | 0902 | 04/18/2022 | |

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

Before leaving site:

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
5. Lock door and gate

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

# SKC PUMP

| Date: 04/20/2022 - 04/22/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | SKC Pump SN: |
|---|---|
| 1 | A119757 |
| 2 | A119740 |
| 3 | A119800 |
| 4 | A119792 |
| 5 | A119769 |

## SKC Pump SAM #1

Observations (Site Conditions, Equipment Conditions, etc.):

| | | | |
|---|---|---|---|
| **Time (CST):** | | **0927** | |
| Is site free of damage or vandalism? | | Yes | No |
| Is the SKC pump still running? | | Yes | No |
| Sample Removed | Sample ID: | Time (CST) | Date |
| | 202204120 - 0422 - SE - SAM 1 | 0943 | 04/22/2022 |
| **Flow Verification** | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | |
| As Found Flow Verification (LPM): | | 1.99 | |
| **Was the flow adjusted?** | | Yes | No |
| As Left Flow Verification (LPM): | | 1.99 | |
| Sample Installed | Sample ID: | Time | Date |
| | 202204120 - 0422 - SE - SAM 1 | 0745 | 04/20/2022 |

Additional Comments: Ending flow rate = 2.00 LPM

## SKC Pump SAM #2

Observations (Site Conditions, Equipment Conditions, etc.):

| | | | |
|---|---|---|---|
| **Time (CST):** | | **0927** | |
| Is site free of damage or vandalism? | | Yes | No |
| Is the SKC pump still running? | | Yes | No |
| Sample Removed | Sample ID: | Time (CST) | Date |
| | 202204120 - 0422 - SE - SAM 2 | 0936 | 04/22/2022 |
| **Flow Verification** | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | |
| As Found Flow Verification (LPM): | | 2.04 | |
| **Was the flow adjusted?** | | Yes | No |
| As Left Flow Verification (LPM): | | 1.99 | |
| Sample Installed | Sample ID: | Time (CST) | Date |
| | 202204120 - 0422 - SE - SAM 2 | 0750 | 04/20/2022 |

Additional Comments: Ending flow rate = 2.01 LPM

## SKC Pump SAM #3

Observations (Site Conditions, Equipment Conditions, etc.):

| | | | |
|---|---|---|---|
| **Time (CST):** | | **0927** | |
| Is site free of damage or vandalism? | | Yes | No |
| Is the SKC pump still running? | | Yes | No |
| Sample Removed | Sample ID: | Time | Date |
| | 202204120 - 0422 - SE - SAM 3 | 0939 | 04/22/2022 |
| **Flow Verification** | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | |
| As Found Flow Verification (LPM): | | 1.99 | |
| **Was the flow adjusted?** | | Yes | No |
| As Left Flow Verification (LPM): | | 1.99 | |
| Sample Installed | Sample ID: | Time (CST) | Date |
| | 202204120 - 0422 - SE - SAM 3 | 0742 | 04/20/2022 |

Additional Comments: Ending flow rate = 2.01 LPM

| SKC Pump SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | **0927** | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: End flow rate = 2.06 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 202204120 - 0422 - SE - SAM 4 | 0906 | 04/22/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.02 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.02 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 202204120 - 0422 - SE - SAM 4 | 0751 | 04/20/2022 | |

| SKC Pump SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | **0927** | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: End flow rate = 2.04 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 202204120 - 0422 - SE - SAM 5 | 0902 | 04/22/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.02 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.02 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 202204120 - 0422 - SE - SAM 5 | 0755 | 04/20/2022 | |

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

Before leaving site:

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
5. Lock door and gate

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

# SKC PUMP

| Date: 04/25/2022 - 04/27/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | SKC Pump SN: |
|---|---|
| 1 | A119757 |
| 2 | A119740 |
| 3 | A119800 |
| 4 | A119792 |
| 5 | A119769 |

## SKC Pump SAM #1

Observations (Site Conditions, Equipment Conditions, etc.):

| | | | |
|---|---|---|---|
| **Time (CST):** | | **0927** | |
| Is site free of damage or vandalism? | | Yes | No |
| Is the SKC pump still running? | | Yes | No |
| Sample Removed | Sample ID: | Time (CST) | Date |
| | 202204125 - 0427 - SE - SAM 1 | 0812 | 04/27/2022 |
| **Flow Verification** | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | |
| As Found Flow Verification (LPM): | | 1.99 | |
| **Was the flow adjusted?** | | Yes | No |
| As Left Flow Verification (LPM): | | 1.99 | |
| Sample Installed | Sample ID: | Time | Date |
| | 202204125 - 0427 - SE - SAM 1 | 0805 | 04/25/2022 |

Additional Comments: Ending flow rate = 2.01 LPM

## SKC Pump SAM #2

Observations (Site Conditions, Equipment Conditions, etc.):

| | | | |
|---|---|---|---|
| **Time (CST):** | | **0927** | |
| Is site free of damage or vandalism? | | Yes | No |
| Is the SKC pump still running? | | Yes | No |
| Sample Removed | Sample ID: | Time (CST) | Date |
| | 202204125 - 0427 - SE - SAM 2 | 0822 | 04/27/2022 |
| **Flow Verification** | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | |
| As Found Flow Verification (LPM): | | 2.01 | |
| **Was the flow adjusted?** | | Yes | No |
| As Left Flow Verification (LPM): | | 2.01 | |
| Sample Installed | Sample ID: | Time (CST) | Date |
| | 202204125 - 0427 - SE - SAM 2 | 0813 | 04/25/2022 |

Additional Comments: Ending flow rate = 2.00 LPM

## SKC Pump SAM #3

Observations (Site Conditions, Equipment Conditions, etc.):

| | | | |
|---|---|---|---|
| **Time (CST):** | | **0927** | |
| Is site free of damage or vandalism? | | Yes | No |
| Is the SKC pump still running? | | Yes | No |
| Sample Removed | Sample ID: | Time | Date |
| | 202204125 - 0427 - SE - SAM 3 | 0804 | 04/27/2022 |
| **Flow Verification** | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | |
| As Found Flow Verification (LPM): | | 2.02 | |
| **Was the flow adjusted?** | | Yes | No |
| As Left Flow Verification (LPM): | | 2.02 | |
| Sample Installed | Sample ID: | Time (CST) | Date |
| | 202204125 - 0427 - SE - SAM 3 | 0800 | 04/25/2022 |

Additional Comments: Ending flow rate = 2.04 LPM

| SKC Pump SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | **0927** | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: End flow rate = 1.99 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 202204125 - 0427 - SE - SAM 4 | 0827 | 04/27/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.03 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.00 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 202204125 - 0427 - SE - SAM 4 | 0820 | 04/25/2022 | |

| SKC Pump SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | **0927** | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: End flow rate = 1.99 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 202204125 - 0427 - SE - SAM 5 | 0838 | 04/27/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.03 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.00 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 202204125 - 0427 - SE - SAM 5 | 0831 | 04/25/2022 | |

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

Before leaving site:

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
5. Lock door and gate

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

# SKC PUMP

| Date: 04/27/2022 - 04/29/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | SKC Pump SN: |
|---|---|
| 1 | A119757 |
| 2 | A119740 |
| 3 | A119800 |
| 4 | A119792 |
| 5 | A119769 |

## SKC Pump SAM #1

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | **0927** | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: Ending flow rate = 2.03 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 202204127 - 0429 - SE - SAM 1 | 0827 | 04/29/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 1.99 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 1.99 | | |
| Sample Installed | Sample ID: | Time | Date | |
| | 202204127 - 0429 - SE - SAM 1 | 0805 | 04/27/2022 | |

## SKC Pump SAM #2

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | **0927** | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: Ending flow rate = 2.04 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 202204127 - 0429 - SE - SAM 2 | 0838 | 04/29/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.01 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.01 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 202204127 - 0429 - SE - SAM 2 | 0813 | 04/27/2022 | |

## SKC Pump SAM #3

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | **0927** | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: Ending flow rate = 2.02 LPM |
| Sample Removed | Sample ID: | Time | Date | |
| | 202204127 - 0429 - SE - SAM 3 | 0820 | 04/29/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.02 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.02 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 202204127 - 0429 - SE - SAM 3 | 0800 | 04/27/2022 | |

| SKC Pump SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | **0927** | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: End flow rate = 2.03 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 202204127 - 0429 - SE - SAM 4 | 0843 | 04/29/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.03 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.00 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 202204127 - 0429 - SE - SAM 4 | 0820 | 04/27/2022 | |

| SKC Pump SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | **0927** | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: End flow rate = 2.05 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 202204127 - 0429 - SE - SAM 5 | 0853 | 04/29/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.03 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.00 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 202204127 - 0429 - SE - SAM 5 | 0831 | 04/27/2022 | |

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

Before leaving site:

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
5. Lock door and gate

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

# SKC PUMP

| Date: 04/29/2022 - 05/02/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | SKC Pump SN: |
|---|---|
| 1 | A119757 |
| 2 | A119740 |
| 3 | A119800 |
| 4 | A119792 |
| 5 | A119769 |

## SKC Pump SAM #1

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | **0927** | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: Ending flow rate = 1.99 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 202204129 - 0502 - SE - SAM 1 | 0810 | 05/02/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.03 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.01 | | |
| Sample Installed | Sample ID: | Time | Date | |
| | 202204129 - 0502 - SE - SAM 1 | 0805 | 04/29/2022 | |

## SKC Pump SAM #2

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | **0927** | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: Ending flow rate = 1.97 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 202204129 - 0502 - SE - SAM 2 | 0820 | 05/02/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.04 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.00 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 202204129 - 0502 - SE - SAM 2 | 0813 | 04/29/2022 | |

## SKC Pump SAM #3

| | | | | |
|---|---|---|---|---|
| **Time (CST):** | | **0927** | | Observations (Site Conditions, Equipment Conditions, etc.): |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: Ending flow rate = 1.99 LPM |
| Sample Removed | Sample ID: | Time | Date | |
| | 202204129 - 0502 - SE - SAM 3 | 0805 | 05/02/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.02 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.02 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 202204129 - 0502 - SE - SAM 3 | 0800 | 04/29/2022 | |

| SKC Pump SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | **0927** | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: End flow rate = 1.99 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 202204129 - 0502 - SE - SAM 4 | 0827 | 05/02/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.03 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 2.01 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 202204129 - 0502 - SE - SAM 4 | 0820 | 04/29/2022 | |

| SKC Pump SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | **0927** | | |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: End flow rate = 1.99 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 202204129 - 0502 - SE - SAM 5 | 0838 | 05/02/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 2.05 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 1.99 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 202204129 - 0502 - SE - SAM 5 | 0831 | 04/29/2022 | |

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

Before leaving site:

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
5. Lock door and gate

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

# SKC PUMP

| Date: 05/02/2022 - 05/02/2022 | Technician: Joshua Richards | Site: Ameren - Champaign, IL |
|---|---|---|

| SAM # | SKC Pump SN: |
|---|---|
| 1 | A119757 |
| 2 | A119740 |
| 3 | A119800 |
| 4 | A119792 |
| 5 | A119769 |

## SKC Pump SAM #1

| | | | |
|---|---|---|---|
| **Time (CST):** | | **1233** | |
| Is site free of damage or vandalism? | | Yes | No |
| Is the SKC pump still running? | | Yes | No |
| Sample Removed | Sample ID: | Time (CST) | Date |
| | 20220502 - 0502 - SE - SAM 1 | 1257 | 05/04/2022 |
| **Flow Verification** | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | |
| As Found Flow Verification (LPM): | | 1.99 | |
| **Was the flow adjusted?** | | Yes | No |
| As Left Flow Verification (LPM): | | 1.99 | |
| Sample Installed | Sample ID: | Time | Date |
| | 20220502 - 0502 - SE - SAM 1 | 0932 | 05/02/2022 |

Observations (Site Conditions, Equipment Conditions, etc.):
Justin and Drew (ERM) onsite to remove equipment.

Additional Comments: Ending flow rate = 2.03 LPM

## SKC Pump SAM #2

| | | | |
|---|---|---|---|
| **Time (CST):** | | **1233** | |
| Is site free of damage or vandalism? | | Yes | No |
| Is the SKC pump still running? | | Yes | No |
| Sample Removed | Sample ID: | Time (CST) | Date |
| | 20220502 - 0502 - SE - SAM 2 | 1310 | 05/04/2022 |
| **Flow Verification** | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | |
| As Found Flow Verification (LPM): | | 1.97 | |
| **Was the flow adjusted?** | | Yes | No |
| As Left Flow Verification (LPM): | | 1.99 | |
| Sample Installed | Sample ID: | Time (CST) | Date |
| | 20220502 - 0502 - SE - SAM 2 | 0939 | 05/02/2022 |

Observations (Site Conditions, Equipment Conditions, etc.):
Justin and Drew (ERM) onsite to remove equipment.

Additional Comments: Ending flow rate = 2.08 LPM

## SKC Pump SAM #3

| | | | |
|---|---|---|---|
| **Time (CST):** | | **1233** | |
| Is site free of damage or vandalism? | | Yes | No |
| Is the SKC pump still running? | | Yes | No |
| Sample Removed | Sample ID: | Time | Date |
| | 20220502 - 0502 - SE - SAM 3 | 1300 | 05/04/2022 |
| **Flow Verification** | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | |
| As Found Flow Verification (LPM): | | 1.99 | |
| **Was the flow adjusted?** | | Yes | No |
| As Left Flow Verification (LPM): | | 1.99 | |
| Sample Installed | Sample ID: | Time (CST) | Date |
| | 20220502 - 0502 - SE - SAM 3 | 0930 | 05/02/2022 |

Observations (Site Conditions, Equipment Conditions, etc.):
Justin and Drew (ERM) onsite to remove equipment.

Additional Comments: Ending flow rate = 2.07 LPM

| SKC Pump SAM #4 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | **1233** | | Justin and Drew (ERM) onsite to remove equipment. |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: End flow rate = 2.07 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220502 - 0502 - SE - SAM 4 | 1314 | 05/04/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 1.99 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 1.99 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220502 - 0502 - SE - SAM 4 | 0940 | 05/02/2022 | |

| SKC Pump SAM #5 | | | | Observations (Site Conditions, Equipment Conditions, etc.): |
|---|---|---|---|---|
| **Time (CST):** | | **1233** | | Justin and Drew (ERM) onsite to remove equipment. |
| Is site free of damage or vandalism? | | Yes | No | |
| Is the SKC pump still running? | | Yes | No | Additional Comments: End flow rate = 2.06 LPM |
| Sample Removed | Sample ID: | Time (CST) | Date | |
| | 20220502 - 0502 - SE - SAM 5 | 1321 | 05/04/2022 | |
| **Flow Verification** | | | | |
| **Taget Flow = 2 LPM ± 5% (0.1 LPM).** If the As Found Flow Verification is found outside the Target Flow, than the flow must be adjusted to 2 LPM. | | | | |
| As Found Flow Verification (LPM): | | 1.99 | | |
| **Was the flow adjusted?** | | Yes | No | |
| As Left Flow Verification (LPM): | | 1.99 | | |
| Sample Installed | Sample ID: | Time (CST) | Date | |
| | 20220502 - 0502 - SE - SAM 5 | 0947 | 05/02/2022 | |

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

Before leaving site:

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
5. Lock door and gate

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

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