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PREPARED FOR

Ameren

Addendum to Summary of Air Emissions Monitored During Pilot Study

Ameren Taylorville Former MGP Site

DATE
February 2024

REFERENCE
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ACRONYMS AND ABBREVIATIONS

AAMP	Ambient Air Monitoring Plan
Ameren	Ameren Services
Bgs	below ground surface
CST	Central Standard Time
ERM	Environmental Resources Management, Inc.
IEPA	Illinois Environmental Protection Agency
ISS	in-situ stabilization / solidification
PID	photoionization detector
PM_{10}	particulate matter less than 10 microns
ppm	parts per million
QA/QC	quality assurance / quality control
SAM	stationary air monitor
$\mu g/m^3$	micrograms per cubic meter
USEPA	US Environmental Protection Agency
VOC	volatile organic compound

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1. INTRODUCTION

This document is presented as an addendum to the *Summary of Air Emissions Monitored During Pilot Study and Corrective Measures Taken* document ("original report") that was submitted to Illinois Environmental Protection Agency (IEPA) on 17 November 2023. Real-time air data for the Site was collected pursuant to the IEPA-approved Pilot Study and the original IRR Report (IRR) submitted air data documented at the Site from 10 August 2023 to 4 October 2023. The original report includes descriptions of the site activities, including control measures, air monitoring network, and applicable action levels; this addendum presents real-time air data documented subsequent to the original report from 5 October 2023 to 21 February 2024.

The preliminary data in this IRR will be superseded by the final data following quality assurance / quality control (QA/QC) reviews. The final data for the Pilot Study project will be submitted in the upcoming Pilot Study Report, anticipated in March 2024, and final data for demobilization and site restoration activities will be submitted in an upcoming Site Restoration Report, anticipated in May 2024.

On 4 October 2023, the Pilot Study was shut down following issuance of a Halt Work order by IEPA due to odor complaints in the area. Restaging of equipment and materials was conducted on 5-6 October 2023, with administrative and housekeeping activities carried out during the week of 9 October 2023. The Site was inactive from the week of 16 October 2023 to the week of 16 January 2024, except for air monitoring, groundwater sampling, and site maintenance activities. Demobilization of equipment and staff from the Site began on 17 January 2024. Current activities at the Site include restoration of the Site, including backfill of the working platform, demobilization of temporary storage tanks and equipment, removal of demolition debris, reinstallation of graveled surfaces, and realignment of fencing, which is expected to be completed in mid-March 2024.

As requested by Ameren, real-time air monitoring continued following the Pilot Study, during the months of November 2023 to current day, and it is planned to continue real-time air monitoring for up to three weeks following demobilization from the Site.

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2. AIR MEASUREMENTS

Preliminary real-time ambient air quality data collected from 5 October 2023 through 21 February 2024 is presented in Appendices A and B. Please note that this data and associated field forms are preliminary and supplemental to the planned Superfund reporting process at the request of IEPA. The scanned field forms have not undergone a review by the field teams, nor a quality assurance/quality control (QA/QC) review. During QA/QC review, missing or unclear information, staff interviews, weather databases, and/or other supplemental documentation are used to clarify the information for documentation into the data sheets, with notes on the changes made. This review process takes 6 to 8 weeks. Finalized field forms and reviewed data sheets will be provided in the upcoming Pilot Study Report for air monitoring conducted for the Pilot Study (July to late October 2023) and in the future restoration reporting for air monitoring conducted after the Pilot Study (late October 2023 to cessation of air monitoring, estimated to be mid-April 2024).

Although this preliminary information has not yet undergone evaluation and review, an area for improvement was noted in real time during the interim period of inactivity at the Site. With the onset of winter, solar angles decreased, and cloud cover increased at Site. These factors contributed to less recharging of the batteries used to power the monitoring equipment and consequently periods of offline time. Additional batteries were installed for each monitoring location and standard operating procedures were modified for manual recharging of batteries as needed to increase equipment uptime. The offline time, improvements made, and any corrections and notes in the incorporation of data into the data sheets will be discussed in the upcoming reporting of the restoration of the Site.

2.1 PM_{10} EXCEEDING EARLY WARNING LEVELS

For this Site, there is an "action level" at which additional control measures are to be taken to control emissions of particulate matter, referred to as PM_{10}. For this Site, the action level for PM_{10} is 150 µg/m^3. Any instrument reaching this average value during a 15-minute averaged time is considered a single elevated reading or exceedance. If readings indicate a concentration at or above 150 µg/m^3, additional measures will be taken, such as reduction of activity, relocation of activity, application of additional foam and/or mats, etc. Monitoring continues during this period until emissions return to below 150 µg/m^3.

In addition to the action level, an "early warning" level of 100 µg/m^3 was established for the works to provide early awareness of the possibility of reaching the action level in the short-term so that an immediate response could be made to readings of 150 µg/m^3 or more. Actions taken are provided in the AAMP submitted to the IEPA on 20 July 2023.

Maximum PM_{10} concentrations that exceeded the early action level of 100 µg/m^3 are summarized in Table 1A. Maximum PM_{10} concentrations that exceeded the action level of 150 µg/m^3 are summarized in Table 1B. If another instrument indicated exceedances during the same

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measurement period, it has not been included in this summary table; the maximum reading is shown.

TABLE 1: PM_{10} VALUES EXCEEDING ACTION LEVELS

1A. PM_{10} Values exceeding early action levels			1B. PM_{10} Values exceeding action levels		
Date & Time	Location	PM_{10} ($\mu g/m^3$)	Date & Time	Location	PM_{10} ($\mu g/m^3$)
11/15/2023 17:45	SAM-5	109	11/15/2023 18:00	SAM-4	183
11/15/2023 18:15	SAM-4	142			
11/15/2023 18:30	SAM-4	102			
Details: On 15 November 2023, elevated concentrations of PM_{10} were measured at all monitoring stations between 17:45 and 18:30. During this time, exceedances were reported by SAM-4 and confirmed by the co-located SAM-5 location. Winds were light from the southwest during this period. The wind trajectory and location of highest measurements suggest that the impacts were from an offsite source, such as train engine emissions, leaf burning, crop harvesting, etc.					
Date & Time	Location	PM_{10} ($\mu g/m^3$)	Date & Time	Location	PM_{10} ($\mu g/m^3$)
12/11/2023 2:15	SAM-1.5	150	12/11/2023 1:30	SAM-1	167
12/11/2023 2:45	SAM-2.5	125	12/11/2023 1:45	SAM-5	195
12/11/2023 3:00	SAM-1	132	12/11/2023 2:00	SAM-2.5	158
12/11/2023 3:15	SAM-3	135	12/11/2023 2:30	SAM-2.5	152
12/11/2023 3:45	SAM-5	109	12/11/2023 3:30	SAM-5	187
12/11/2023 4:45	SAM-3	112			
Details: On 11 December 2023, elevated concentrations of PM_{10} were measured across all monitoring stations, between 01:30 and 03:30, which exceeded the 150 $\mu g/m^3$ action level. These exceedances occurred during the early morning hours when there were no personnel or operations at the Site. Investigation of onsite surveillance footage confirmed the presence of fog overnight between 10 December and 11 December 2023, which caused elevated readings.					
Date & Time	Location	PM_{10} ($\mu g/m^3$)	Date & Time	Location	PM_{10} ($\mu g/m^3$)
12/22/2023 9:00	SAM-5	120	12/22/2023 9:15	SAM-5	382
			12/22/2023 9:30	SAM-5	239
Details: On 22 December 2023, elevated concentrations of PM_{10} were measured, between 09:00 and 09:20, on SAM-1, SAM-4, and SAM-5, with two measurements exceeding the 150 $\mu g/m^3$ action level. This occurred during a period of consistent light rain and mist, which is known to artificially elevate reported concentrations from the instruments.					

1A. PM_{10} Values exceeding early action levels			1B. PM_{10} Values exceeding action levels		
Date & Time	Location	PM_{10} ($\mu g/m^3$)	Date & Time	Location	PM_{10} ($\mu g/m^3$)
1/26/2024 14:15	SAM-5	144	1/26/2024 14:00	SAM-4	309
			1/26/2024 15:00	SAM-5	211
1/29/2024 9:30	SAM-5	130	1/29/2024 9:45	SAM-5	175
			1/29/2024 10:00	SAM-5	158
			1/29/2024 14:00	SAM-4	345
			1/29/2024 14:15	SAM-5	2615
1/30/2024 13:30	SAM-5	117	1/30/2024 12:00	SAM-5	344
1/30/2024 13:45	SAM-5	147	1/30/2024 12:45	SAM-5	738
			1/30/2024 13:00	SAM-5	179
			1/30/2024 14:00	SAM-5	153
			1/30/2024 14:15	SAM-5	353
			1/30/2024 14:30	SAM-5	250
			1/30/2024 14:45	SAM-4	322
1/31/2024 12:00	SAM-5	146	1/31/2024 13:45	SAM-5	204

Details: On 26 January 2024, and from 29 January through 31 January 2024, there were multiple elevated readings at SAM-4 and SAM-5 that exceeded the 150 $\mu g/m^3$ action level. Email and text alerts were issued to the project team. The onsite air monitoring technician relayed this information to the operations team for investigation and additional control measures. The investigation determined this was caused by the mixing of carbon and grout as part of demobilization activities. Some reports of visible dust from Portland cement grout and carbon were reported during this period and operations were halted as necessary to suppress dust. No additional observations of significant dust were noted. Visual monitoring continued. The PM_{10} measurement subsequently dropped below the early warning level during the next measurement.

Date & Time	Location	PM_{10} ($\mu g/m^3$)	Date & Time	Location	PM_{10} ($\mu g/m^3$)
2/20/2024 12:00	SAM-2.5	160	2/20/2024 12:00	SAM-2.5	160

Details: On 20 February 2024 at 12:00, there was a single elevated reading at SAM-2.5 that exceeded the 150 $\mu g/m^3$ action level. Email and text alerts were issued to the project team. The onsite air monitoring technician relayed this information to the operations team for investigation and implementing additional control measures. The investigation determined this was caused by concrete cutting adjacent to the monitoring station. After the cutting was complete, air concentrations immediately dropped below the early action level during the subsequent measurement cycle.

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2.2 VOCS EXCEEDING EARLY WARNING LEVELS

For this Site, there is an "action level" at which additional control measures are to be taken to control emissions of volatile organic compounds (VOCs). For this Site, the action level for Total VOCs is 5 parts per million (ppm). Similar to the monitoring of PM_{10}, an "early warning" level was also established for VOCs. For this Site, the early warning level for Total VOCs was set to 0.5 ppm. In addition to allowing project staff to immediately respond to exceedances of the action level, the early warning level also was used to "trigger" additional monitoring by specialized equipment that can detect benzene. Benzene is often used as an indicator chemical when monitoring VOCs and is a chemical of concern at this Site.

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

Total VOC concentrations exceeding the early warning level for Total VOCs were extracted from the dataset and presented in Table 2.

TABLE 2: TOTAL VOC READINGS EXCEEDING EARLY WARNING LEVELS

Date & Time	**Location**	**VOC** (ppm)	**Notes**
10/6/2023 8:41	SAM-2	**0.7**	Hydrocarbon odor observed. Benzene monitoring triggered between 8:41 AM and 8:49 AM did not exceed early warning level. The project team was alerted.
10/6/2023 8:48	SAM-2.5	**0.6**	
10/6/2023 8:49	IPML-C	**0.5**	
Details: On 6 October 2023, at approximately 8 a.m. CST, activities commenced at the Site to move mats from their existing locations on the Site for staging for removal from the Site, remove the drill rig auger and stem, and move residual swell material to trucks for transport offsite. An increase in Total VOCs was indicated in the northern portion of the Site. Alerts were issued to the project team and monitoring for benzene was implemented.			

Three Total VOC measurements were found to exceed or reach the early warning threshold on 6 October 2023 at approximately 8:41 a.m. Central Standard Time (CST). Additional actions that were taken, beyond continued monitoring and potential source identification, are summarized below and documented in daily logs which will be included in the upcoming Pilot Study Report. Per the Ambient Air Monitoring Plan (AAMP) for the Site, when Total VOCs exceed 0.5 ppm, the specialized equipment for the measurement of benzene is utilized. Benzene monitoring commenced and is discussed below.

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2.2.1 BENZENE TEST RESULTS

Due to Total VOC measurements at or above 0.5 ppm on 6 October 2023 at 8:41 a.m., measurements of benzene in the air were taken to determine if benzene was exceeding 0.5 ppm, the early warning level for VOCs during this project. Total benzene concentrations did not exceed 0.5 ppm, as summarized in Table 3. Table 3 presents the concurrent measurements from the benzene instrument that were observed during the period in which the Total VOC measurements had exceeded the early warning level.

TABLE 3: BENZENE READING RESULTS

Date & Time	Location	Benzene ppm
10/6/2023 8:41	SAM-2	**0.01**
10/6/2023 8:48	SAM-2.5	**0.10**
10/6/2023 8:49	IPML-C	**0.05**
Details: On 6 October 2023, at approximately 8:41 a.m. CST, indications of Total VOCs triggered the monitoring of benzene at the Site. Activities for that morning included moving of mats, removal of auger and drill stem from drill rig, and moving of residual swell material to prepare for offsite transport by truck. Project staff were aware that benzene was detected at concentrations below the early warning level and the action level for benzene. The necessary activity was conducted quickly and, following completion, additional foam was added to the stockpile, in the area of the benzene detections. Subsequent monitoring indicated 0 ppm of benzene by 9 a.m. CST.		

Although there was no exceedance of benzene's early warning level or action level, additional foam was applied in the area of exceedance upon completion of the activity. Benzene was no longer detected by 9 a.m. CST.

2.3 VOCS EXCEEDING WARNING LEVELS

No measurements during the relevant time period indicated VOCs that exceeded the action level of 5 ppm at the Site.

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APPENDIX A PM_{10} AND METEOROLOGICAL DATA RECORDS

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

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
10/5/2023	00:15	39	35	35	40	38	38	38	2	247	68	85	993	0
	00:30	33	29	31	35	34	35	34	2	233	68	85	993	0
	00:45	30	26	28	33	30	30	30	2	243	68	86	993	0
	01:00	28	25	27	32	29	28	28	3	250	68	86	993	0
	01:15	27	23	25	30	27	26	26	2	265	68	87	993	0
	01:30	24	22	24	27	24	25	24	2	258	68	87	993	0
	01:45	22	20	22	25	23	23	23	2	263	68	89	993	0
	02:00	21	18	21	24	22	21	21	2	239	67	93	993	0
	02:15	20	17	20	24	23	22	22	2	225	66	94	993	0
	02:30	20	15	18	21	21	22	22	3	242	66	96	993	0
	02:45	16	13	16	18	18	18	18	4	229	66	96	993	0
	03:00	13	11	13	15	15	16	16	4	229	66	97	992	0
	03:15	11	9	11	13	12	12	12	3	223	66	97	992	0
	03:30	12	9	11	14	12	13	12	3	229	66	97	992	0
	03:45	10	8	10	12	11	11	11	4	235	66	97	992	0
	04:00	8	7	8	11	9	10	9	3	236	66	97	992	0
	04:15	8	7	8	10	8	Offline	9	3	236	66	97	992	0
	04:30	7	6	7	9	8	Offline	8	3	223	66	97	992	0
	04:45	9	8	9	Offline	10	Offline	9	4	217	65	97	992	0
	05:00	15	11	15	Offline	16	Offline	15	3	230	65	98	992	0
	05:15	16	12	16	Offline	17	Offline	17	3	229	65	98	992	0
	05:30	17	13	17	Offline	18	Offline	17	3	230	65	98	992	0
	05:45	17	12	17	Offline	18	Offline	18	4	238	65	97	992	0
	06:00	18	Offline	18	Offline	19	Offline	18	3	233	65	97	992	0
	06:15	19	Offline	18	Offline	19	Offline	20	4	252	65	97	992	0
	06:30	16	Offline	15	Offline	16	Offline	18	4	248	65	96	992	0
	06:45	14	Offline	14	Offline	15	Offline	16	5	244	65	95	992	0
	07:00	16	Offline	16	Offline	17	Offline	17	4	245	65	97	993	0
	07:15	20	Offline	20	Offline	21	Offline	21	4	233	65	98	993	0
	07:30	21	Offline	21	Offline	22	Offline	24	3	247	65	98	993	0
	07:45	18	Offline	18	Offline	19	Offline	21	3	210	65	98	993	0
	08:00	9	Offline	18	Offline	19	Offline	19	2	218	65	98	993	0
	08:15	24	Offline	23	Offline	23	Offline	23	2	198	65	98	992	0
	08:30	26	9	22	Offline	27	Offline	26	2	243	65	98	993	0
	08:45	24	15	21	Offline	26	Offline	26	3	232	65	98	993	0
	09:00	23	15	23	Offline	26	Offline	24	3	239	65	98	993	0
	09:15	25	17	24	Offline	18	10	25	3	219	65	97	993	0
	09:30	30	21	29	Offline	30	17	21	3	244	65	98	993	0
	09:45	34	25	33	Offline	35	34	34	3	240	65	98	993	0
	10:00	35	25	35	Offline	36	37	35	2	255	65	98	993	0
	10:15	34	23	34	Offline	35	35	36	2	244	65	98	993	0
	10:30	32	21	32	10	34	33	34	3	228	65	98	993	0
	10:45	26	19	27	30	28	29	29	3	249	64	98	993	0
	11:00	22	17	22	25	24	24	24	3	253	64	99	993	0
	11:15	19	14	19	22	20	21	21	2	300	64	99	993	0
	11:30	15	11	15	17	16	16	17	2	280	64	99	993	0
	11:45	15	10	14	17	17	16	16	2	233	65	99	993	0
	12:00	11	9	12	13	13	15	15	2	221	65	99	992	0
	12:15	10	8	9	11	11	12	12	1	226	65	99	992	0
	12:30	8	7	8	10	9	9	9	1	233	65	99	992	0
	12:45	8	7	8	11	9	9	9	2	222	65	99	992	0
	13:00	8	7	8	10	9	9	9	1	221	66	98	991	0
	13:15	7	6	7	8	7	7	8	2	252	66	98	991	0
	13:30	6	5	5	7	6	7	7	1	245	66	98	992	0
	13:45	4	4	4	5	4	5	5	1	236	67	96	991	0
	14:00	2	3	3	4	3	4	3	2	283	67	95	991	0
	14:15	2	2	2	3	2	2	2	1	330	68	90	991	0
	14:30	4	5	4	6	5	5	4	2	333	71	81	991	0
	14:45	4	5	5	7	4	5	5	1	302	72	75	991	0
	15:00	4	4	4	6	4	4	4	1	300	74	73	991	0
	15:15	3	4	4	6	4	4	4	2	292	75	68	991	0
	15:30	3	3	3	5	3	4	3	2	287	75	65	991	0
	15:45	3	3	3	6	3	4	3	2	246	74	65	991	0
	16:00	3	3	3	6	4	4	3	1	263	75	60	991	0
	16:15	3	3	3	6	4	4	3	2	264	76	59	991	0
	16:30	3	3	3	5	3	4	3	2	246	75	62	991	0
	16:45	3	3	3	5	3	4	3	2	263	75	61	991	0
	17:00	3	2	3	5	4	3	3	1	255	76	55	991	0
	17:15	1	2	2	3	2	3	2	1	262	75	55	991	0
	17:30	2	2	2	3	2	2	2	1	258	74	64	991	0
	17:45	1	2	2	3	3	2	2	1	248	71	71	992	0
	18:00	1	2	2	3	3	3	2	1	243	69	72	992	0
	18:15	2	2	2	4	4	3	2	1	240	67	83	992	0
	18:30	2	2	3	4	6	4	4	1	216	65	84	991	0
	18:45	2	2	3	4	4	3	3	1	284	64	87	991	0
	19:00	2	2	2	4	2	3	2	1	308	63	86	992	0
	19:15	2	2	2	2	2	3	2	1	283	62	89	992	0
	19:30	3	2	2	2	3	4	3	1	279	62	90	992	0
	19:45	3	2	2	3	4	3	3	1	272	61	90	992	0
	20:00	2	2	3	3	4	3	2	1	284	61	89	992	0
	20:15	3	2	3	4	3	4	4	1	261	61	91	992	0
	20:30	3	2	3	4	5	3	3	1	195	60	92	992	0
	20:45	4	2	4	4	5	4	4	1	329	60	93	992	0
	21:00	4	2	4	4	5	5	5	1	343	59	92	992	0
	21:15	4	2	3	4	4	5	5	1	322	59	91	992	0
	21:30	3	2	3	3	4	5	4	1	280	59	92	993	0
	21:45	3	2	3	4	6	4	3	1	292	61	84	993	0
	22:00	3	2	2	3	5	4	4	2	263	62	78	993	0
	22:15	3	2	2	3	5	3	3	2	237	63	74	993	0
	22:30	3	2	2	2	5	2	2	1	257	64	75	993	0
	22:45	2	2	1	2	2	4	4	1	262	64	78	993	0
	23:00	1	2	1	2	1	5	4	1	265	63	79	993	0
	23:15	1	2	1	2	1	5	5	1	300	62	81	993	0
	23:30	1	2	1	2	1	3	3	1	347	61	79	993	0
	23:45	1	2	1	2	1	2	2	1	317	61	68	993	0
	00:00	2	2	2	4	2	2	2	1	319	61	64	993	0

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

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

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
10/6/2023	00:15	2	2	2	4	3	3	3	1	305	61	64	993	0
	00:30	3	2	3	4	3	4	3	1	306	60	69	993	0
	00:45	3	2	2	4	3	4	4	1	321	59	73	993	0
	01:00	3	2	3	4	3	4	4	1	291	58	76	993	0
	01:15	3	2	2	4	3	4	5	1	292	58	79	993	0
	01:30	3	2	3	4	3	4	4	1	283	57	77	994	0
	01:45	3	2	3	4	3	4	4	1	282	57	73	994	0
	02:00	3	2	3	4	4	5	4	1	280	56	78	994	0
	02:15	3	3	3	5	3	4	4	1	274	56	71	994	0
	02:30	3	3	3	5	4	4	4	1	278	56	77	994	0
	02:45	3	2	3	5	3	4	4	1	282	55	74	994	0
	03:00	3	2	3	5	3	4	4	1	282	55	74	994	0
	03:15	3	2	3	5	3	4	4	1	289	54	75	994	0
	03:30	3	2	3	5	3	4	4	1	279	54	74	994	0
	03:45	3	2	3	4	4	4	4	1	273	54	78	994	0
	04:00	3	2	3	5	4	4	3	1	277	53	80	994	0
	04:15	3	2	3	4	4	4	3	2	275	52	79	994	0
	04:30	3	2	3	4	3	3	3	1	283	51	81	994	0
	04:45	3	2	2	4	3	3	3	1	270	51	83	994	0
	05:00	2	2	2	4	3	3	3	1	273	50	83	995	0
	05:15	3	2	2	4	3	3	3	2	253	50	86	995	0
	05:30	3	2	2	4	3	3	3	1	267	49	85	995	0
	05:45	3	2	2	4	3	3	3	1	271	49	87	995	0
	06:00	2	2	2	4	3	3	2	2	272	49	85	995	0
	06:15	2	2	2	4	3	2	Offline	1	261	48	87	995	0
	06:30	2	2	2	4	3	3	Offline	2	253	48	89	995	0
	06:45	2	2	2	4	3	3	Offline	3	254	47	88	995	0
	07:00	3	2	3	4	3	3	Offline	3	264	47	89	995	0
	07:15	3	2	2	4	3	2	Offline	3	255	47	89	995	0
	07:30	3	2	3	4	3	2	Offline	2	252	48	88	995	0
	07:45	3	2	3	4	3	3	0	1	237	49	82	995	0
	08:00	3	2	4	6	3	3	Offline	2	245	50	79	995	0
	08:15	3	3	3	5	3	3	Offline	2	251	52	76	995	0
	08:30	3	3	3	5	3	3	1	2	256	54	73	996	0
	08:45	3	3	3	5	3	3	4	2	253	56	67	997	0
	09:00	2	2	3	5	3	3	3	1	259	59	59	997	0
	09:15	3	3	3	6	3	3	3	2	248	61	57	996	0
	09:30	2	2	3	5	3	3	3	2	275	63	58	996	0
	09:45	2	2	3	4	3	3	4	3	239	62	55	996	0
	10:00	3	2	3	6	3	3	4	3	229	63	50	996	0
	10:15	3	3	3	4	2	3	4	2	293	66	47	996	0
	10:30	1	2	2	3	2	4	5	2	282	67	44	996	0
	10:45	1	2	2	3	2	5	5	1	206	68	45	996	0
	11:00	1	2	2	3	2	3	3	2	285	70	39	996	0
	11:15	1	2	2	3	2	26	40	2	236	69	39	996	0
	11:30	1	3	3	4	1	2	3	3	261	68	41	996	0
	11:45	1	2	2	3	2	3	3	3	247	67	39	996	0
	12:00	1	2	2	3	1	2	2	3	250	66	42	996	0
	12:15	1	2	3	5	1	3	3	2	258	65	41	996	0
	12:30	1	2	2	3	1	2	3	2	235	64	41	996	0
	12:45	1	1	1	2	1	2	3	3	263	63	43	996	0
	13:00	1	2	2	3	2	1	1	3	276	63	44	996	0
	13:15	1	1	1	4	1	1	1	3	257	63	41	996	0
	13:30	1	2	1	4	1	1	1	4	255	65	41	995	0
	13:45	1	2	2	4	2	2	2	3	318	66	43	995	0
	14:00	2	2	2	4	2	2	2	2	207	65	48	996	0
	14:15	2	2	2	4	2	3	3	2	289	65	45	996	0
	14:30	2	2	2	4	2	3	3	2	341	64	47	996	0
	14:45	2	1	2	3	3	3	3	3	325	62	56	996	0
	15:00	4	2	5	5	2	2	2	2	307	60	57	996	0
	15:15	3	2	3	4	3	3	3	3	302	58	60	997	0
	15:30	2	1	2	3	2	2	2	2	313	57	60	997	0
	15:45	2	1	1	4	2	2	2	2	276	57	57	997	0
	16:00	2	1	1	2	1	1	2	2	295	58	55	997	0
	16:15	1	1	1	2	1	1	1	2	296	58	52	997	0
	16:30	1	1	1	2	1	1	1	3	272	58	47	997	0
	16:45	1	1	1	2	1	1	1	2	284	58	43	997	0
	17:00	1	1	1	3	1	1	1	2	266	58	42	997	0
	17:15	2	2	1	3	1	1	1	2	245	58	46	998	0
	17:30	2	2	1	3	1	1	1	3	261	57	46	998	0
	17:45	2	2	1	3	2	2	1	2	278	56	48	998	0
	18:00	2	2	1	3	2	2	1	2	279	55	47	998	0
	18:15	2	2	1	3	2	2	2	2	285	55	49	998	0
	18:30	2	2	2	3	2	2	2	2	289	54	49	998	0
	18:45	2	2	1	2	2	2	2	2	304	54	52	998	0
	19:00	2	2	1	2	1	1	1	2	317	53	50	998	0
	19:15	2	2	1	2	1	1	1	2	313	52	52	999	0
	19:30	2	2	1	2	1	1	1	2	296	52	53	999	0
	19:45	2	2	1	2	1	1	1	2	307	51	57	999	0
	20:00	1	1	1	3	1	1	1	2	302	51	56	999	0
	20:15	2	1	1	4	1	1	1	2	284	51	56	999	0
	20:30	2	2	2	4	2	1	2	2	285	51	57	999	0
	20:45	2	2	1	4	2	2	2	2	253	51	59	999	0
	21:00	1	1	1	3	1	1	1	1	270	50	59	999	0
	21:15	1	1	1	3	1	1	1	2	259	50	60	999	0
	21:30	1	2	1	3	1	1	1	1	271	49	63	999	0
	21:45	2	1	1	3	1	1	1	2	271	49	62	1000	0
	22:00	1	1	1	3	1	1	1	1	292	50	63	1000	0
	22:15	2	1	1	3	2	1	1	1	286	49	63	1000	0
	22:30	2	1	1	3	1	1	1	1	285	49	64	1000	0
	22:45	1	1	1	2	1	1	1	1	282	49	65	1000	0
	23:00	1	2	1	2	1	1	1	1	289	49	67	1000	0
	23:15	2	2	1	2	1	1	1	1	278	49	70	1000	0
	23:30	1	2	1	2	1	1	1	1	270	48	70	1000	0
	23:45	1	2	1	2	1	1	1	1	250	48	70	999	0
	00:00	1	2	1	2	1	1	1	2	251	48	72	999	0

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

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

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
10/7/2023	00:15	1	2	1	2	2	1	1	2	258	47	74	999	0
	00:30	1	2	1	2	1	1	1	3	260	47	74	999	0
	00:45	1	2	1	2	1	1	1	3	255	47	73	999	0
	01:00	0	2	1	2	1	1	1	3	267	46	74	999	0
	01:15	0	2	1	1	1	1	1	3	252	46	76	999	0
	01:30	0	2	1	2	1	1	1	2	235	46	78	999	0
	01:45	0	2	1	2	1	1	1	2	251	45	80	999	0
	02:00	0	2	1	2	1	1	1	3	250	45	80	999	0
	02:15	0	1	1	1	1	1	1	3	251	44	80	999	0
	02:30	0	1	1	2	1	1	1	3	253	44	81	999	0
	02:45	0	2	1	2	1	1	1	2	264	43	83	999	0
	03:00	0	1	1	2	1	1	1	3	254	43	85	999	0
	03:15	0	1	1	2	1	1	1	3	250	43	85	999	0
	03:30	0	1	1	2	1	1	1	2	252	43	85	999	0
	03:45	0	2	1	2	1	1	1	2	253	44	82	999	0
	04:00	0	1	1	2	1	1	1	2	248	45	81	999	0
	04:15	0	1	0	2	1	1	1	2	257	45	80	999	0
	04:30	0	1	1	2	1	1	1	2	256	45	80	999	0
	04:45	0	1	1	2	1	1	1	3	260	45	81	999	0
	05:00	0	1	1	2	1	1	1	3	257	45	80	999	0
	05:15	0	1	1	2	1	1	1	3	253	45	81	1000	0
	05:30	0	1	1	2	1	1	1	3	254	45	82	1000	0
	05:45	0	1	1	2	1	1	1	2	256	44	83	1000	0
	06:00	0	2	1	2	1	1	1	2	257	44	84	1000	0
	06:15	0	1	1	2	1	1	1	3	254	44	84	1000	0
	06:30	0	1	1	2	1	1	1	2	258	44	84	1000	0
	06:45	0	1	1	2	1	1	1	2	251	43	85	1000	0
	07:00	0	1	0	2	1	1	1	2	252	43	86	1000	0
	07:15	0	1	1	2	1	1	1	2	249	43	86	1001	0
	07:30	0	1	1	1	1	1	1	3	250	44	85	1001	0
	07:45	0	1	1	2	1	1	1	3	252	45	83	1001	0
	08:00	0	1	0	2	1	1	1	3	247	46	81	1001	0
	08:15	0	1	1	2	1	1	1	2	279	48	76	1001	0
	08:30	0	1	0	2	1	1	1	2	295	49	73	1001	0
	08:45	0	2	0	2	1	1	1	2	336	51	70	1001	0
	09:00	0	2	0	2	1	1	1	2	323	52	67	1001	0
	09:15	0	1	1	1	1	1	1	2	332	53	64	1001	0
	09:30	0	1	0	2	1	1	1	2	330	54	61	1001	0
	09:45	0	1	1	2	1	1	1	2	308	55	60	1001	0
	10:00	0	1	0	2	1	1	1	2	331	56	58	1001	0
	10:15	0	1	0	1	1	0	1	2	309	57	57	1001	0
	10:30	0	1	0	2	1	0	1	2	326	58	51	1001	0
	10:45	0	1	0	1	0	1	1	2	339	59	51	1001	0
	11:00	0	1	0	2	0	0	1	2	295	59	48	1001	0
	11:15	0	1	0	2	0	0	0	2	332	60	47	1001	0
	11:30	0	1	0	2	0	0	1	2	324	60	46	1001	0
	11:45	0	1	0	2	0	0	1	3	338	60	43	1001	0
	12:00	0	1	0	1	0	0	1	3	324	61	44	1001	0
	12:15	0	1	0	0	1	0	1	3	307	61	46	1001	0
	12:30	0	1	0	0	0	0	1	2	302	61	46	1001	0
	12:45	0	1	0	1	1	1	1	2	301	63	43	1001	0
	13:00	0	2	1	1	1	1	1	2	320	63	43	1000	0
	13:15	0	2	1	1	1	1	1	2	323	63	41	1000	0
	13:30	0	1	1	2	1	1	1	3	261	62	43	1000	0
	13:45	0	1	0	1	1	1	1	3	263	62	43	1000	0
	14:00	0	1	0	1	0	0	1	2	290	63	41	1000	0
	14:15	0	1	0	1	0	1	1	2	319	61	45	1000	0
	14:30	0	1	0	0	0	1	1	2	321	62	46	999	0
	14:45	0	1	0	1	0	0	1	2	320	62	46	999	0
	15:00	0	1	0	1	0	0	1	2	338	63	41	999	0
	15:15	0	1	0	1	0	0	1	2	303	64	40	999	0
	15:30	0	1	0	0	0	0	1	2	270	62	44	999	0
	15:45	0	1	0	1	0	0	1	2	308	61	42	999	0
	16:00	0	1	0	1	0	0	1	2	336	63	40	998	0
	16:15	0	1	0	2	0	0	1	2	288	62	42	998	0
	16:30	0	1	0	2	0	0	1	2	275	63	40	998	0
	16:45	0	1	0	2	0	0	1	2	309	62	43	998	0
	17:00	0	1	0	2	0	0	1	1	327	61	43	998	0
	17:15	0	1	0	1	0	0	1	1	312	62	41	998	0
	17:30	0	1	0	1	0	1	1	1	310	62	42	998	0
	17:45	1	2	2	2	2	2	3	1	310	59	45	998	0
	18:00	0	1	0	1	0	1	1	2	309	58	48	998	0
	18:15	0	1	0	2	0	1	1	1	308	57	50	998	0
	18:30	0	1	0	1	1	1	2	1	307	55	53	998	0
	18:45	0	1	0	1	1	1	1	1	310	54	56	998	0
	19:00	3	2	1	2	3	2	2	1	291	53	64	998	0
	19:15	3	4	3	4	3	2	3	1	296	52	65	998	0
	19:30	2	2	2	3	3	2	3	1	272	51	68	998	0
	19:45	2	3	2	3	2	2	2	1	282	51	70	998	0
	20:00	2	3	2	3	3	2	2	1	275	50	71	998	0
	20:15	2	3	2	3	3	2	2	1	254	49	71	998	0
	20:30	2	2	2	3	2	2	2	1	266	49	71	998	0
	20:45	1	2	2	3	2	1	2	1	277	48	74	998	0
	21:00	2	2	2	3	3	2	3	2	258	48	75	998	0
	21:15	3	3	2	3	3	2	3	2	256	47	78	998	0
	21:30	4	3	3	4	3	3	3	3	256	47	79	998	0
	21:45	2	3	3	4	3	3	3	3	257	47	80	998	0
	22:00	2	2	2	3	3	2	3	3	257	47	79	998	0
	22:15	2	2	2	3	2	2	2	2	260	47	80	997	0
	22:30	1	2	2	3	2	2	2	3	269	46	73	997	0
	22:45	1	2	2	2	2	2	2	3	261	47	70	997	0
	23:00	1	2	1	2	2	2	2	3	261	47	74	997	0
	23:15	1	2	1	2	2	1	2	4	260	47	77	997	0
	23:30	1	2	1	2	2	1	2	4	261	46	79	997	0
	23:45	1	2	1	2	2	2	2	3	246	45	81	997	0
	00:00	1	2	1	2	2	2	2	3	250	45	81	997	0

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

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

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
10/8/2023	00:15	0	2	1	2	1	1	2	3	239	45	80	997	0
	00:30	0	2	1	2	1	1	1	2	241	46	79	997	0
	00:45	1	2	2	3	2	2	2	3	258	46	79	997	0
	01:00	1	2	2	3	3	3	3	4	260	46	79	996	0
	01:15	2	3	3	4	3	3	3	3	262	46	78	996	0
	01:30	3	4	4	6	5	5	5	3	262	46	79	996	0
	01:45	4	5	4	6	5	5	4	3	255	46	80	996	0
	02:00	2	3	3	4	3	3	3	3	260	46	80	996	0
	02:15	1	2	2	3	2	2	2	3	259	46	79	996	0
	02:30	1	2	2	3	2	2	2	3	259	46	81	996	0
	02:45	0	2	1	2	1	1	1	2	250	46	82	996	0
	03:00	0	2	1	2	1	1	1	2	238	45	84	996	0
	03:15	0	1	1	2	1	1	1	2	225	45	83	996	0
	03:30	0	1	1	2	1	1	1	2	219	45	84	996	0
	03:45	0	1	1	2	1	1	1	1	241	46	85	995	0
	04:00	0	1	1	2	1	1	1	2	250	46	86	995	0
	04:15	0	2	1	2	1	1	1	2	239	46	86	995	0
	04:30	0	1	1	2	1	1	1	2	221	45	87	995	0
	04:45	0	1	1	2	1	1	1	2	210	45	87	995	0
	05:00	0	1	1	2	1	1	1	2	222	45	87	995	0
	05:15	0	1	1	2	1	1	1	2	237	45	87	995	0
	05:30	0	1	1	2	1	1	1	2	236	45	87	995	0
	05:45	0	1	1	2	1	1	1	2	219	45	86	995	0
	06:00	0	1	1	2	1	1	1	2	223	46	86	995	0
	06:15	0	2	1	2	1	1	1	2	249	46	83	995	0
	06:30	0	1	1	2	1	1	1	3	261	46	83	995	0
	06:45	0	1	1	2	1	1	1	3	254	47	82	995	0
	07:00	0	1	1	2	1	1	1	3	253	47	79	995	0
	07:15	0	1	1	2	1	1	1	3	253	47	79	995	0
	07:30	0	1	1	2	1	1	1	3	242	47	80	995	0
	07:45	0	1	1	2	1	1	1	3	242	47	77	995	0
	08:00	0	1	1	2	1	1	1	3	248	48	77	995	0
	08:15	0	1	1	2	1	1	1	3	260	48	76	995	0
	08:30	0	1	1	2	1	1	1	2	260	49	74	995	0
	08:45	0	2	1	2	1	1	1	3	260	50	69	995	0
	09:00	0	2	1	2	2	2	2	4	262	52	66	994	0
	09:15	0	2	1	2	1	1	1	2	252	54	60	994	0
	09:30	0	2	1	2	1	1	1	3	247	56	57	994	0
	09:45	0	2	1	2	1	1	1	3	255	56	55	994	0
	10:00	0	1	1	2	1	1	1	3	252	58	50	994	0
	10:15	0	1	1	2	1	1	1	2	232	59	44	994	0
	10:30	0	2	1	2	1	1	1	2	247	61	45	993	0
	10:45	0	2	1	3	1	2	1	2	256	62	42	993	0
	11:00	0	2	1	2	1	2	1	3	239	62	39	993	0
	11:15	1	2	1	2	1	2	2	3	234	63	39	993	0
	11:30	0	2	2	2	1	2	2	2	242	64	39	993	0
	11:45	1	2	2	2	1	2	2	4	242	65	37	992	0
	12:00	0	2	2	3	1	2	2	3	236	65	33	992	0
	12:15	0	2	2	2	2	2	2	4	256	64	36	992	0
	12:30	1	3	3	3	2	3	3	4	237	65	37	992	0
	12:45	1	2	2	4	2	3	3	3	224	65	38	991	0
	13:00	1	2	2	3	2	3	2	4	246	65	34	991	0
	13:15	0	2	2	3	2	2	2	4	234	64	37	991	0
	13:30	1	2	2	2	1	2	2	4	232	65	39	990	0
	13:45	1	2	2	2	1	2	2	3	246	64	38	990	0
	14:00	0	2	2	2	1	2	2	3	232	64	38	990	0
	14:15	1	2	2	2	1	2	2	2	266	64	39	990	0
	14:30	1	2	2	3	2	2	2	2	227	64	43	989	0
	14:45	1	2	3	3	2	2	2	2	243	64	43	989	0
	15:00	1	2	3	4	3	3	3	2	239	65	39	989	0
	15:15	3	4	4	6	4	4	4	2	247	65	39	989	0
	15:30	1	2	3	3	2	3	3	3	246	65	38	989	0
	15:45	2	2	3	4	3	3	3	3	249	65	38	989	0
	16:00	1	2	2	3	2	2	2	4	245	66	38	988	0
	16:15	1	2	2	4	2	3	3	3	254	65	39	988	0
	16:30	1	2	3	4	2	3	3	2	239	66	38	988	0
	16:45	2	2	3	4	2	3	3	2	268	67	37	988	0
	17:00	1	2	2	3	2	3	3	3	242	66	39	988	0
	17:15	1	2	3	2	2	3	3	2	239	65	44	988	0
	17:30	1	2	3	4	3	3	3	1	265	65	42	988	0
	17:45	1	2	3	3	3	3	2	1	270	64	49	988	0
	18:00	1	2	3	4	3	3	3	1	297	63	53	988	0
	18:15	2	2	3	4	3	3	3	1	303	61	57	988	0
	18:30	2	2	3	4	3	3	3	1	354	60	49	988	0
	18:45	2	2	2	4	2	3	3	1	317	59	61	988	0
	19:00	1	2	2	4	3	3	3	1	356	57	62	988	0
	19:15	2	3	3	4	3	3	3	1	312	56	61	988	0
	19:30	2	3	3	4	3	3	3	1	332	55	65	988	0
	19:45	2	3	3	4	3	3	3	1	342	55	65	988	0
	20:00	2	2	2	4	3	3	3	1	7	54	73	988	0
	20:15	2	3	3	4	3	3	3	1	8	54	68	988	0
	20:30	2	3	3	4	3	3	3	1	40	53	73	988	0
	20:45	2	3	3	4	3	3	3	1	16	53	72	988	0
	21:00	3	3	3	4	3	3	3	1	23	52	69	988	0
	21:15	4	4	4	5	5	4	4	2	37	52	70	988	0
	21:30	4	4	4	5	4	5	5	2	356	51	71	988	0
	21:45	2	3	3	5	4	4	4	2	335	51	72	988	0
	22:00	3	3	3	4	4	3	3	2	353	50	74	988	0
	22:15	2	2	3	4	4	3	3	1	327	50	75	988	0
	22:30	2	2	3	4	3	3	3	1	326	50	76	988	0
	22:45	2	2	3	4	3	3	3	1	1	49	79	988	0
	23:00	2	2	3	4	3	3	3	1	357	48	81	988	0
	23:15	2	2	3	3	3	2	3	1	292	48	82	988	0
	23:30	2	3	3	4	3	3	3	2	275	48	79	988	0
	23:45	2	2	3	3	3	3	3	2	345	49	76	988	0
	00:00	2	2	2	3	3	3	3	1	350	49	76	988	0

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

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

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
10/9/2023	00:15	2	2	3	3	2	3	2	1	18	49	74	988	0
	00:30	3	2	2	3	2	3	3	1	342	49	74	988	0
	00:45	3	2	2	3	2	2	2	2	2	49	73	988	0
	01:00	2	2	2	3	2	2	2	2	36	48	74	987	0
	01:15	2	2	2	3	2	2	2	1	335	48	76	987	0
	01:30	2	2	2	2	2	2	3	1	260	47	78	987	0
	01:45	3	2	2	3	2	2	2	1	285	47	79	987	0
	02:00	2	2	2	3	2	2	2	2	26	46	79	987	0
	02:15	2	2	2	3	2	2	2	2	67	46	79	987	0
	02:30	2	2	2	2	2	2	2	1	137	46	79	987	0
	02:45	2	2	2	2	2	2	2	1	132	46	78	987	0
	03:00	2	2	2	2	2	2	2	2	51	45	78	987	0
	03:15	2	2	2	2	2	2	2	2	348	45	78	987	0
	03:30	2	2	2	2	2	2	2	2	278	45	79	987	0
	03:45	2	2	2	2	2	2	2	2	272	44	81	987	0
	04:00	2	2	2	2	2	2	2	2	288	43	83	987	0
	04:15	2	2	2	2	2	2	2	2	256	42	85	987	0
	04:30	1	2	1	2	2	1	2	2	261	42	85	988	0
	04:45	2	2	1	2	1	2	2	2	267	42	85	988	0
	05:00	2	2	2	2	1	2	2	2	277	42	85	988	0
	05:15	1	2	1	2	1	1	2	2	274	42	85	988	0
	05:30	2	2	3	2	2	2	2	2	299	41	84	988	0
	05:45	9	6	4	4	2	3	3	2	284	42	83	988	0
	06:00	4	8	8	8	8	4	4	2	277	42	84	988	0
	06:15	2	2	2	2	2	2	2	2	282	41	84	988	0
	06:30	2	2	2	2	2	2	2	2	279	41	86	988	0
	06:45	2	2	2	2	2	2	2	2	270	41	86	988	0
	07:00	2	2	1	2	2	2	2	2	268	41	87	988	0
	07:15	2	2	2	2	2	2	2	2	276	41	86	988	0
	07:30	2	2	2	2	2	2	2	2	264	41	85	989	0
	07:45	2	2	2	2	2	2	2	2	258	42	83	989	0
	08:00	2	2	2	2	2	1	2	2	277	44	78	989	0
	08:15	2	2	2	2	2	2	2	2	306	46	73	989	0
	08:30	2	2	2	2	2	3	2	3	333	48	68	989	0
	08:45	2	2	5	2	2	2	2	3	342	51	69	989	0
	09:00	2	5	6	2	2	2	2	3	341	52	69	989	0
	09:15	2	4	2	2	2	2	2	3	343	52	67	990	0
	09:30	2	3	2	3	2	3	3	3	355	54	59	990	0
	09:45	2	2	2	3	2	2	2	2	341	57	54	990	0
	10:00	2	4	2	3	3	2	2	2	358	59	50	990	0
	10:15	2	3	2	2	2	2	2	2	350	60	45	990	0
	10:30	1	2	2	2	1	2	2	2	4	61	45	990	0
	10:45	1	2	2	3	2	2	2	3	10	61	43	990	0
	11:00	1	2	2	1	1	2	2	3	18	61	42	989	0
	11:15	1	5	2	2	1	2	2	2	13	62	40	989	0
	11:30	1	3	2	2	2	3	3	3	7	62	44	989	0
	11:45	1	2	2	2	2	2	2	2	313	63	40	989	0
	12:00	1	4	3	2	1	2	2	2	346	65	37	989	0
	12:15	1	7	2	2	1	2	2	2	324	65	37	989	0
	12:30	1	2	2	2	1	2	2	2	252	65	41	989	0
	12:45	1	2	3	2	2	2	2	2	268	65	38	989	0
	13:00	1	2	2	2	1	2	2	3	306	66	39	988	0
	13:15	1	2	2	2	1	2	2	2	244	65	38	988	0
	13:30	1	2	2	2	1	2	2	2	347	67	36	988	0
	13:45	1	2	2	2	1	2	2	3	265	67	38	988	0
	14:00	1	4	2	2	1	2	2	2	271	66	36	988	0
	14:15	1	2	2	2	1	2	2	3	278	66	38	988	0
	14:30	1	2	2	2	1	2	2	2	321	66	38	988	0
	14:45	1	2	2	2	1	2	2	2	277	67	35	988	0
	15:00	1	2	2	2	1	2	2	2	268	67	35	988	0
	15:15	1	2	1	2	1	1	1	3	269	66	37	988	0
	15:30	1	2	2	2	1	1	2	2	277	67	33	988	0
	15:45	1	1	1	2	1	1	1	2	253	67	37	988	0
	16:00	1	2	2	2	1	1	1	2	271	67	36	988	0
	16:15	1	2	2	2	1	2	2	2	259	66	36	988	0
	16:30	1	2	2	2	1	2	2	2	261	66	37	988	0
	16:45	1	2	2	2	1	1	1	2	254	66	38	988	0
	17:00	2	2	2	2	1	1	1	2	293	65	37	988	0
	17:15	1	1	2	1	1	2	2	2	312	65	37	988	0
	17:30	1	2	2	2	1	2	2	1	310	63	39	988	0
	17:45	1	2	1	2	1	2	2	1	309	62	42	988	0
	18:00	1	2	2	2	1	2	2	1	311	60	50	988	0
	18:15	1	1	2	2	1	1	1	1	290	58	55	988	0
	18:30	2	2	1	2	1	1	1	1	291	57	58	988	0
	18:45	2	2	2	2	1	2	1	1	285	55	63	988	0
	19:00	3	2	2	2	2	2	2	1	285	54	63	988	0
	19:15	7	5	3	5	5	3	3	1	274	53	63	988	0
	19:30	5	5	8	10	9	6	7	1	269	52	65	988	0
	19:45	5	5	6	7	6	4	4	1	280	51	69	989	0
	20:00	4	4	3	4	2	2	2	1	271	50	73	989	0
	20:15	3	3	2	3	2	2	2	1	259	49	73	989	0
	20:30	2	2	2	2	2	2	3	1	306	48	75	989	0
	20:45	3	2	2	2	2	3	3	1	254	48	79	989	0
	21:00	4	3	2	2	3	3	3	2	254	48	78	989	0
	21:15	3	4	3	4	4	4	4	2	265	47	80	989	0
	21:30	3	3	3	4	3	3	3	3	263	46	81	989	0
	21:45	3	3	3	4	3	3	3	2	262	46	84	989	0
	22:00	3	3	3	4	3	3	3	2	250	45	85	989	0
	22:15	3	3	3	3	3	3	3	2	254	45	84	989	0
	22:30	3	2	3	3	2	3	3	2	254	45	84	989	0
	22:45	3	2	3	3	2	3	3	3	253	45	84	989	0
	23:00	5	3	3	3	3	3	3	2	253	44	85	989	0
	23:15	4	4	4	5	3	3	4	2	250	44	87	989	0
	23:30	4	3	3	4	3	3	3	2	251	43	88	989	0
	23:45	3	3	2	3	3	3	3	2	264	43	89	989	0
	00:00	4	3	3	3	3	3	3	2	257	43	91	989	0

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

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

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
10/10/2023	00:15	4	3	3	4	3	3	4	2	263	42	91	989	0
	00:30	4	4	3	4	4	5	5	2	259	42	92	989	0
	00:45	4	5	4	5	5	5	5	2	253	42	92	989	0
	01:00	6	5	5	5	6	6	6	2	256	41	92	989	0
	01:15	6	6	5	6	6	5	6	2	266	41	93	989	0
	01:30	4	5	5	6	5	4	5	2	271	41	94	989	0
	01:45	4	5	5	6	5	4	4	2	264	40	94	989	0
	02:00	4	4	4	6	4	4	4	1	269	40	94	989	0
	02:15	4	4	4	6	5	4	4	2	264	39	94	989	0
	02:30	4	4	5	6	5	5	5	2	260	39	95	989	0
	02:45	4	5	5	6	5	5	5	2	269	39	95	989	0
	03:00	3	4	5	6	4	4	4	1	279	39	96	989	0
	03:15	2	4	4	5	3	3	3	2	281	39	96	989	0
	03:30	2	3	3	4	3	3	3	2	276	38	96	989	0
	03:45	2	2	2	4	2	3	3	2	264	38	96	989	0
	04:00	3	2	2	3	2	3	3	2	262	38	96	989	0
	04:15	2	2	2	3	2	3	3	3	263	38	97	989	0
	04:30	2	2	2	3	2	3	3	2	259	38	97	989	0
	04:45	2	2	2	3	2	3	3	2	257	38	96	989	0
	05:00	2	2	2	3	2	3	3	2	271	38	96	989	0
	05:15	2	2	2	3	2	3	3	2	267	37	96	989	0
	05:30	2	2	2	3	2	3	3	2	273	37	96	989	0
	05:45	2	2	2	3	2	3	3	2	269	37	96	989	0
	06:00	2	2	2	4	3	3	3	2	275	36	97	989	0
	06:15	2	2	2	4	3	3	3	2	268	36	97	989	0
	06:30	2	2	3	4	3	3	3	2	264	36	97	989	0
	06:45	1	2	3	4	2	2	2	2	266	36	97	989	0
	07:00	2	2	2	4	2	2	3	2	270	36	97	990	0
	07:15	2	2	2	4	2	3	3	3	265	37	98	990	0
	07:30	2	2	3	4	2	3	3	3	259	38	97	990	0
	07:45	2	2	3	4	2	3	3	3	246	39	96	990	0
	08:00	2	3	3	3	2	3	3	2	242	41	92	990	0
	08:15	2	2	3	4	3	3	3	2	241	44	82	990	0
	08:30	2	4	3	4	2	2	3	3	241	47	75	990	0
	08:45	2	5	3	4	3	2	3	2	225	49	69	990	0
	09:00	3	6	4	4	3	3	3	2	253	52	64	990	0
	09:15	1	2	4	5	3	3	3	2	256	54	62	990	0
	09:30	2	3	4	5	2	3	3	3	240	54	60	990	0
	09:45	3	2	3	5	3	3	3	3	240	55	58	990	0
	10:00	3	3	3	5	2	3	3	3	246	56	58	990	0
	10:15	4	6	4	5	3	3	3	3	258	58	51	990	0
	10:30	3	3	3	5	3	3	3	3	253	59	45	990	0
	10:45	2	2	3	4	2	3	3	4	256	60	46	990	0
	11:00	2	3	3	5	3	4	4	3	260	60	42	990	0
	11:15	1	2	3	6	2	3	3	3	248	62	42	990	0
	11:30	3	2	3	4	3	3	3	3	243	63	40	990	0
	11:45	2	3	3	4	3	4	3	2	253	65	37	990	0
	12:00	1	2	3	3	2	3	3	2	275	66	36	990	0
	12:15	1	2	3	4	2	3	3	3	272	66	36	990	0
	12:30	1	2	3	4	2	3	3	2	228	67	36	990	0
	12:45	2	2	3	4	3	4	4	2	248	66	36	990	0
	13:00	2	2	4	4	3	4	4	3	255	66	35	989	0
	13:15	1	2	6	5	3	4	4	2	285	68	35	989	0
	13:30	1	2	9	7	3	3	4	3	234	67	37	989	0
	13:45	1	2	4	4	3	5	4	3	237	67	37	989	0
	14:00	13	6	5	6	3	4	4	2	243	68	32	988	0
	14:15	2	3	4	5	3	4	4	2	237	68	34	988	0
	14:30	2	5	5	6	3	4	4	4	248	66	37	988	0
	14:45	2	2	3	4	2	4	4	3	230	67	34	988	0
	15:00	1	2	3	4	2	3	3	3	239	68	33	988	0
	15:15	1	2	3	4	2	3	3	3	240	67	34	988	0
	15:30	2	2	1	2	2	3	3	3	222	67	36	988	0
	15:45	2	2	2	3	2	2	3	2	237	68	34	988	0
	16:00	2	2	3	3	3	3	2	3	233	68	34	988	0
	16:15	3	3	3	3	3	3	3	3	251	67	35	988	0
	16:30	2	2	3	3	3	3	3	4	242	67	35	987	0
	16:45	3	2	3	4	3	3	3	3	223	67	35	987	0
	17:00	2	2	3	3	3	3	3	3	238	66	35	987	0
	17:15	2	2	2	2	3	3	3	3	240	66	36	987	0
	17:30	2	2	3	3	3	3	3	2	234	65	39	987	0
	17:45	3	3	3	4	4	3	3	2	242	64	44	988	0
	18:00	3	4	4	5	5	4	4	1	299	62	48	988	0
	18:15	4	4	4	5	5	5	5	1	290	60	57	988	0
	18:30	5	5	4	7	5	6	6	1	278	58	58	988	0
	18:45	6	5	5	7	6	6	6	1	278	56	63	988	0
	19:00	6	5	6	7	7	6	6	1	276	55	63	988	0
	19:15	6	5	6	7	7	6	6	1	289	53	65	988	0
	19:30	6	5	6	7	7	6	6	1	341	52	66	988	0
	19:45	6	5	6	7	7	5	5	1	320	51	72	988	0
	20:00	9	9	11	12	13	8	8	1	255	50	72	988	0
	20:15	16	17	22	27	24	13	13	1	241	50	74	988	0
	20:30	22	20	20	22	24	18	18	1	220	49	77	988	0
	20:45	19	14	12	13	18	16	17	1	224	49	79	988	0
	21:00	10	6	7	8	9	12	12	1	263	48	78	988	0
	21:15	8	5	6	7	7	9	9	1	242	48	80	988	0
	21:30	7	5	5	7	7	8	8	1	254	48	78	988	0
	21:45	6	5	5	7	7	6	7	2	252	47	80	988	0
	22:00	6	4	5	6	7	6	6	2	258	47	80	988	0
	22:15	5	4	4	5	6	6	6	2	251	47	83	988	0
	22:30	5	3	4	5	5	5	5	2	258	46	80	988	0
	22:45	4	3	3	4	5	5	5	2	255	46	82	988	0
	23:00	4	3	3	4	5	7	7	2	237	46	83	988	0
	23:15	3	3	3	4	4	4	4	2	242	45	83	988	0
	23:30	3	3	3	4	4	3	4	2	255	45	84	988	0
	23:45	3	3	3	4	4	4	4	2	242	45	85	988	0
	00:00	4	3	3	4	4	4	4	2	244	44	84	988	0

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

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

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m^3]	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]	Average Concentration [µg/m^3]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	3	3	4	5	4	4	4	2	242	44	86	988	0.00
	00:30	4	3	4	4	4	5	5	2	244	44	85	988	0.00
	00:45	4	3	4	5	4	4	4	2	243	44	87	988	0.00
	01:00	4	3	4	5	4	4	4	2	255	44	87	988	0.00
	01:15	3	3	4	4	4	3	3	2	252	44	87	988	0.00
	01:30	3	3	4	4	3	4	3	2	255	43	87	988	0.00
	01:45	4	3	4	4	3	3	4	2	260	43	88	988	0.00
	02:00	3	3	4	4	3	4	4	2	249	43	90	988	0.00
	02:15	3	3	3	4	3	4	4	2	257	43	88	987	0.00
	02:30	3	3	3	4	3	3	3	1	251	43	89	987	0.00
	02:45	3	3	3	4	3	3	3	1	260	44	88	987	0.00
	03:00	3	3	3	4	3	4	3	2	251	45	84	987	0.00
	03:15	3	3	3	4	3	3	3	2	242	46	85	987	0.00
	03:30	3	3	3	4	3	3	3	2	241	45	83	987	0.00
	03:45	3	3	3	4	3	3	3	1	238	45	86	987	0.00
	04:00	3	3	3	4	3	3	3	1	251	46	87	987	0.00
	04:15	3	2	3	4	3	3	3	1	276	47	87	987	0.00
	04:30	2	3	3	4	3	3	3	2	272	47	84	987	0.00
	04:45	3	3	3	4	3	3	3	2	279	47	86	987	0.00
	05:00	3	3	3	4	3	3	3	2	269	46	85	987	0.00
	05:15	3	3	3	4	3	3	3	2	270	46	83	987	0.00
	05:30	3	3	3	4	3	3	3	2	267	47	85	988	0.00
	05:45	3	3	3	4	3	3	3	2	267	46	89	988	0.00
	06:00	3	3	3	4	3	3	3	1	275	47	89	988	0.00
	06:15	2	3	3	4	3	3	3	2	247	47	88	988	0.00
	06:30	3	3	3	4	3	3	3	1	241	47	88	988	0.00
	06:45	3	3	3	4	3	3	3	1	220	48	86	988	0.00
	07:00	3	3	3	4	3	3	3	1	349	49	84	988	0.00
	07:15	3	3	3	4	3	3	3	1	350	49	86	988	0.00
	07:30	3	3	3	4	3	3	3	1	345	49	85	988	0.00
	07:45	3	3	3	4	3	3	3	1	303	50	81	989	0.00
	08:00	3	3	3	4	3	3	3	1	309	51	83	989	0.00
	08:15	5	3	3	4	3	3	3	1	282	52	77	989	0.00
	08:30	4	4	3	4	3	3	3	2	252	53	75	989	0.00
	08:45	3	4	3	4	3	3	3	1	33	54	75	988	0.00
	09:00	3	3	3	4	3	3	3	1	5	55	75	988	0.00
	09:15	2	3	3	4	3	4	4	1	29	55	76	988	0.00
	09:30	4	2	2	3	3	3	4	1	266	55	75	988	0.00
	09:45	3	4	3	4	2	2	2	2	262	56	71	988	0.00
	10:00	3	4	4	5	4	4	3	4	236	59	61	988	0.00
	10:15	7	8	8	9	7	7	7	5	243	60	60	988	0.00
	10:30	6	6	7	7	7	7	7	3	244	61	58	988	0.00
	10:45	4	5	5	6	5	5	5	3	230	62	58	988	0.00
	11:00	4	5	5	7	5	5	5	3	221	63	58	988	0.00
	11:15	3	5	5	6	5	5	5	2	215	64	54	987	0.00
	11:30	3	4	4	4	4	5	5	2	245	66	50	987	0.00
	11:45	3	4	4	4	4	5	4	2	230	68	45	988	0.00
10/11/2023	12:00	2	4	4	4	4	4	4	2	221	69	45	988	0.00
	12:15	3	3	4	4	3	4	4	2	140	70	45	987	0.00
	12:30	2	3	4	4	3	4	4	3	127	71	42	987	0.00
	12:45	2	3	4	4	3	4	4	3	238	72	38	987	0.00
	13:00	2	3	3	3	2	3	3	3	224	72	39	986	0.00
	13:15	1	3	3	3	2	3	3	3	194	72	40	986	0.00
	13:30	2	3	3	3	3	3	3	3	228	73	41	986	0.00
	13:45	3	4	5	4	3	4	4	3	233	73	41	986	0.00
	14:00	3	4	4	4	4	5	5	4	236	73	42	985	0.00
	14:15	4	5	5	6	4	6	6	3	233	74	40	985	0.00
	14:30	13	12	13	13	12	12	12	4	225	75	38	985	0.00
	14:45	7	6	6	7	6	14	15	4	213	76	39	984	0.00
	15:00	7	6	7	8	6	13	12	5	216	76	39	984	0.00
	15:15	6	6	7	7	6	10	9	4	227	76	38	984	0.00
	15:30	6	7	9	9	8	9	9	4	242	77	39	984	0.00
	15:45	7	8	9	10	9	9	9	4	234	76	39	984	0.00
	16:00	7	7	8	6	8	9	9	3	220	76	41	984	0.00
	16:15	5	5	7	7	7	7	7	3	150	76	39	983	0.00
	16:30	5	5	7	8	6	7	7	3	107	75	42	983	0.00
	16:45	6	6	8	9	7	7	7	3	260	76	41	983	0.00
	17:00	6	7	8	9	7	8	8	2	183	76	41	984	0.00
	17:15	6	7	8	9	8	9	8	2	68	76	42	984	0.00
	17:30	6	7	8	9	8	9	8	2	336	75	44	984	0.00
	17:45	5	6	7	8	7	8	8	1	25	73	48	984	0.00
	18:00	5	5	7	8	7	7	7	1	49	72	49	984	0.00
	18:15	5	5	6	7	6	6	6	1	15	70	55	984	0.00
	18:30	4	5	6	7	6	6	6	1	41	69	55	984	0.00
	18:45	5	5	6	7	6	6	6	1	357	67	57	984	0.00
	19:00	5	5	6	8	6	7	7	1	55	67	57	984	0.00
	19:15	5	5	7	8	6	7	6	2	43	66	57	984	0.00
	19:30	7	6	8	9	7	8	7	2	50	66	56	984	0.00
	19:45	7	7	8	9	8	9	8	2	59	66	57	984	0.00
	20:00	7	6	8	9	8	8	8	1	67	66	56	984	0.00
	20:15	6	5	7	8	8	8	8	2	78	66	57	984	0.00
	20:30	6	6	8	9	7	8	7	3	76	65	58	984	0.00
	20:45	7	6	8	9	8	8	8	3	67	65	59	984	0.00
	21:00	6	5	8	10	8	8	8	3	70	65	59	984	0.00
	21:15	6	5	7	9	7	8	8	2	73	64	61	984	0.00
	21:30	5	5	7	8	7	7	7	2	76	64	63	984	0.00
	21:45	6	5	7	7	6	6	6	2	49	64	66	984	0.00
	22:00	5	5	6	8	6	7	7	2	50	64	70	984	0.00
	22:15	5	5	6	7	6	6	6	2	347	64	72	984	0.00
	22:30	4	4	5	7	6	5	6	2	268	64	75	984	0.00
	22:45	4	4	5	6	5	6	6	2	280	63	78	984	0.00
	23:00	4	4	5	6	5	5	6	3	245	63	81	984	0.00
	23:15	4	5	5	7	5	5	5	2	255	62	82	984	0.00
	23:30	4	5	6	7	5	6	6	2	268	62	83	984	0.00
	23:45	4	5	6	7	5	6	6	2	263	63	83	984	0.00
	00:00	5	5	6	7	6	6	6	1	321	62	85	984	0.00

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

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

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m^3]	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]	Average Concentration [µg/m^3]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	5	5	6	7	6	6	6	2	279	62	84	984	0.00
	00:30	6	6	7	8	6	6	6	2	261	62	84	984	0.00
	00:45	6	7	7	9	7	6	6	3	254	62	83	984	0.00
	01:00	7	8	8	9	8	7	7	3	225	62	83	984	0.00
	01:15	7	8	8	9	8	7	7	2	242	62	83	984	0.00
	01:30	8	8	8	10	8	7	8	2	259	62	82	984	0.00
	01:45	8	8	9	11	9	8	8	2	245	62	82	984	0.00
	02:00	9	9	10	11	10	9	9	2	262	62	83	985	0.00
	02:15	9	10	10	12	10	9	10	2	276	61	84	985	0.00
	02:30	11	10	11	13	10	10	10	2	307	60	84	985	0.00
	02:45	11	11	12	13	11	10	10	2	283	60	85	985	0.00
	03:00	12	12	13	15	12	11	11	2	283	60	85	985	0.00
	03:15	13	13	14	16	13	12	12	2	285	59	86	985	0.00
	03:30	14	14	14	17	14	12	13	2	279	59	85	985	0.00
	03:45	14	14	15	17	14	13	13	2	268	59	85	985	0.00
	04:00	15	14	15	17	15	13	14	2	269	59	85	985	0.00
	04:15	14	14	15	18	15	14	14	2	285	59	86	985	0.00
	04:30	15	14	15	18	15	14	14	2	258	59	86	985	0.00
	04:45	15	14	15	18	17	14	14	2	281	58	86	985	0.00
	05:00	15	14	15	18	16	14	15	1	307	58	87	985	0.00
	05:15	14	14	15	18	16	14	15	2	274	58	88	986	0.00
	05:30	14	14	16	18	15	14	14	1	332	57	89	986	0.00
	05:45	14	14	15	18	15	13	14	1	25	56	91	986	0.00
	06:00	14	13	14	18	15	14	14	1	350	55	91	986	0.00
	06:15	14	13	14	17	15	14	14	1	339	55	93	986	0.00
	06:30	13	12	14	17	15	13	14	1	332	54	93	987	0.00
	06:45	14	13	14	17	15	13	14	1	1	54	94	987	0.00
	07:00	14	13	14	17	15	13	14	1	345	54	93	987	0.00
	07:15	14	13	14	17	15	13	14	1	39	53	94	987	0.00
	07:30	14	13	14	17	15	14	14	1	21	53	94	987	0.00
	07:45	14	13	14	17	15	14	14	1	24	54	95	987	0.00
	08:00	14	14	14	17	15	13	14	1	2	55	92	988	0.00
	08:15	15	14	14	17	14	13	14	1	300	58	85	988	0.00
	08:30	14	14	13	16	14	13	13	1	273	60	81	988	0.00
	08:45	14	17	15	16	14	13	13	2	238	62	79	988	0.00
	09:00	15	16	16	17	14	13	13	2	239	63	78	988	0.00
	09:15	15	16	16	17	15	15	14	2	232	65	75	988	0.00
	09:30	14	15	16	18	15	15	15	2	222	66	72	988	0.00
	09:45	14	14	15	18	14	15	15	3	226	68	69	988	0.00
	10:00	14	14	14	18	13	14	14	3	220	69	60	988	0.00
	10:15	12	11	12	13	13	13	12	3	220	70	60	988	0.00
	10:30	4	10	9	11	10	11	11	3	232	71	53	988	0.00
	10:45	1	8	7	9	8	8	8	4	245	72	54	988	0.00
	11:00	1	8	6	8	6	6	6	4	226	72	52	988	0.00
	11:15	0	5	6	7	6	6	6	4	238	73	50	988	0.00
	11:30	0	5	6	7	5	6	6	5	257	74	49	988	0.00
	11:45	5	3	3	4	5	6	5	4	234	74	47	988	0.00
10/12/2023	12:00	7	7	7	9	6	3	3	5	239	75	45	988	0.00
	12:15	6	5	5	7	7	7	6	6	243	75	45	987	0.00
	12:30	3	4	3	4	3	4	4	4	245	76	44	987	0.00
	12:45	4	5	4	4	4	4	4	5	223	77	44	987	0.00
	13:00	4	5	4	6	4	4	4	7	224	76	44	987	0.00
	13:15	3	4	4	4	3	4	4	5	229	76	44	987	0.00
	13:30	4	4	3	4	4	4	4	5	202	76	45	987	0.00
	13:45	4	4	3	4	4	4	4	5	223	77	44	987	0.00
	14:00	3	4	4	4	4	4	4	5	223	77	44	986	0.00
	14:15	4	4	3	4	4	4	4	5	218	77	44	986	0.00
	14:30	4	4	3	4	4	5	5	5	183	77	46	986	0.00
	14:45	3	3	3	4	3	4	3	6	213	78	44	986	0.00
	15:00	2	3	2	3	2	3	3	10	207	78	44	986	0.00
	15:15	2	3	2	3	2	3	3	10	237	78	43	986	0.00
	15:30	3	3	3	3	2	3	3	10	203	78	44	985	0.00
	15:45	2	3	3	4	2	4	4	9	233	78	43	985	0.00
	16:00	2	3	2	3	2	3	3	9	195	78	44	985	0.00
	16:15	2	2	2	3	2	3	2	7	94	78	43	985	0.00
	16:30	2	2	2	3	3	3	2	8	234	78	43	985	0.00
	16:45	2	2	2	3	2	3	2	7	182	78	43	985	0.00
	17:00	2	2	2	3	2	3	3	8	232	78	44	985	0.00
	17:15	2	3	2	4	3	5	5	7	239	77	44	985	0.00
	17:30	3	3	2	4	3	6	5	9	236	76	46	985	0.00
	17:45	3	3	3	4	3	4	4	6	228	76	47	985	0.00
	18:00	3	3	3	4	3	4	4	5	256	74	49	986	0.00
	18:15	3	3	3	4	3	4	4	3	312	73	53	986	0.00
	18:30	3	3	3	5	3	3	3	2	65	72	57	986	0.00
	18:45	3	4	4	6	3	3	3	2	322	70	61	986	0.00
	19:00	5	5	6	9	4	3	3	2	11	68	63	986	0.00
	19:15	4	5	5	7	4	3	3	3	20	68	62	986	0.00
	19:30	5	5	5	7	4	4	4	3	29	67	63	986	0.00
	19:45	5	5	5	6	4	5	4	3	29	67	64	986	0.00
	20:00	5	5	4	7	5	4	4	3	22	66	67	986	0.00
	20:15	5	5	4	5	7	5	5	3	31	65	68	987	0.00
	20:30	5	5	5	7	6	5	5	3	43	65	67	987	0.00
	20:45	7	5	6	8	5	5	5	4	49	65	66	987	0.00
	21:00	6	5	6	8	5	5	5	5	50	66	64	987	0.00
	21:15	6	5	5	7	6	6	5	5	57	66	64	987	0.00
	21:30	5	5	4	7	5	5	5	4	62	66	63	987	0.00
	21:45	5	5	4	6	5	4	4	5	57	66	63	987	0.00
	22:00	5	5	5	7	5	4	4	5	62	66	63	987	0.00
	22:15	5	5	4	7	5	4	4	5	70	67	62	987	0.00
	22:30	5	5	5	7	5	4	4	6	68	67	60	987	0.00
	22:45	5	5	5	7	5	4	4	6	79	67	60	987	0.00
	23:00	5	5	5	6	5	4	4	5	72	67	61	987	0.00
	23:15	6	5	5	7	5	5	5	6	74	66	62	987	0.00
	23:30	6	5	5	7	5	5	5	5	69	66	63	987	0.00
	23:45	6	5	5	7	6	5	4	5	65	65	64	987	0.00
	00:00	5	5	5	7	5	5	4	5	60	65	66	987	0.00

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

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

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m^3]	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]	Average Concentration [µg/m^3]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	4	5	5	7	5	5	5	5	49	64	66	987	0.00
	00:30	3	5	5	7	5	5	5	4	60	64	66	987	0.00
	00:45	3	5	5	7	5	5	5	5	41	64	66	987	0.00
	01:00	2	5	5	6	5	5	5	5	68	65	66	987	0.00
	01:15	2	5	5	6	5	5	5	7	78	65	65	987	0.00
	01:30	2	5	4	6	5	4	4	9	92	65	65	986	0.00
	01:45	2	5	5	5	5	4	5	9	90	65	65	986	0.00
	02:00	2	5	4	5	5	4	5	7	88	65	65	986	0.00
	02:15	2	5	5	6	4	5	4	6	67	65	66	986	0.00
	02:30	2	5	4	6	4	4	4	5	87	65	67	986	0.00
	02:45	2	5	5	6	5	5	4	5	46	64	69	986	0.00
	03:00	3	5	5	6	5	5	4	3	49	63	72	986	0.00
	03:15	3	5	5	5	6	5	5	4	39	61	75	986	0.00
	03:30	2	5	5	5	5	5	5	3	329	61	76	986	0.00
	03:45	2	5	5	6	5	4	4	3	11	60	78	986	0.00
	04:00	2	5	5	6	5	4	4	3	351	59	79	986	0.00
	04:15	2	5	5	7	7	6	6	3	29	59	81	986	0.00
	04:30	2	5	4	5	5	5	5	4	32	58	81	986	0.00
	04:45	2	5	4	5	5	5	5	3	13	58	81	986	0.00
	05:00	2	5	4	5	5	4	4	3	20	58	84	987	0.00
	05:15	2	5	4	5	5	5	5	4	9	57	85	987	0.00
	05:30	2	5	4	5	5	5	5	3	3	57	85	987	0.00
	05:45	2	5	4	5	5	4	4	4	2	57	85	987	0.00
	06:00	2	5	4	5	5	4	4	4	35	57	85	987	0.00
	06:15	2	5	5	6	6	5	5	4	38	57	85	987	0.00
	06:30	3	5	5	6	6	6	6	3	58	57	84	987	0.00
	06:45	3	5	5	6	6	5	5	4	54	58	83	987	0.00
	07:00	3	5	5	7	6	6	5	4	66	58	85	987	0.00
	07:15	2	5	5	6	5	5	5	3	41	58	85	987	0.00
	07:30	2	5	5	6	5	5	4	4	68	58	85	987	0.00
	07:45	2	5	5	6	5	4	4	4	75	59	85	987	0.00
	08:00	3	6	6	6	4	5	4	5	60	59	85	987	0.00
	08:15	2	5	5	4	5	4	4	6	67	60	85	987	0.00
	08:30	1	5	4	4	4	4	4	6	80	61	84	987	0.00
	08:45	1	3	5	5	4	4	3	6	82	61	84	987	0.00
	09:00	1	3	1	2	2	3	3	6	111	62	84	987	0.00
	09:15	1	3	3	4	3	2	2	6	70	62	83	987	0.00
	09:30	1	3	3	4	3	3	3	7	134	63	84	987	0.00
	09:45	1	3	2	3	3	3	2	7	136	63	84	987	0.00
	10:00	1	3	2	4	3	3	3	5	224	63	83	987	0.00
	10:15	1	3	3	3	3	2	3	5	216	63	85	986	0.00
	10:30	1	3	2	3	2	3	3	7	250	63	85	986	0.00
	10:45	1	2	2	3	2	2	2	8	260	63	86	986	0.00
	11:00	1	2	Offline	3	2	2	2	8	239	63	88	986	0.00
	11:15	0	2	2	2	2	2	2	5	271	62	92	986	0.00
	11:30	0	2	2	2	2	2	2	5	248	62	93	986	0.07
	11:45	0	2	3	4	2	2	2	5	75	62	94	985	0.01
10/13/2023	12:00	0	2	2	2	2	2	2	5	347	62	90	985	0.00
	12:15	0	2	2	2	2	2	2	6	257	63	89	985	0.00
	12:30	0	2	2	2	2	2	2	6	222	63	87	985	0.00
	12:45	0	2	1	2	1	2	2	7	248	64	84	984	0.00
	13:00	0	2	1	2	1	2	2	7	258	65	83	984	0.00
	13:15	0	2	1	2	1	1	1	8	242	65	81	983	0.00
	13:30	0	2	1	2	1	1	1	7	281	66	84	984	0.01
	13:45	1	2	2	3	3	4	5	8	248	64	94	985	0.25
	14:00	1	2	2	2	3	4	4	9	228	62	96	984	0.11
	14:15	0	2	2	3	2	3	3	6	233	62	97	984	0.05
	14:30	0	2	2	2	2	2	2	7	228	62	97	984	0.00
	14:45	0	2	1	2	2	2	2	7	221	63	97	984	0.00
	15:00	0	2	1	1	1	1	2	5	255	63	97	984	0.02
	15:15	0	2	1	2	1	2	2	8	221	63	98	984	0.01
	15:30	0	2	1	1	1	1	2	6	202	63	98	984	0.01
	15:45	0	2	1	1	1	1	1	7	215	63	98	983	0.02
	16:00	0	2	1	1	1	1	1	6	203	63	98	983	0.00
	16:15	0	2	1	1	1	1	1	6	227	63	98	983	0.00
	16:30	0	2	1	2	1	1	1	6	191	63	98	983	0.00
	16:45	0	2	1	1	1	2	2	7	203	63	98	983	0.00
	17:00	0	2	1	1	1	2	2	8	235	63	98	983	0.01
	17:15	0	2	1	2	2	2	2	7	241	63	98	983	0.00
	17:30	0	2	2	2	2	2	3	6	237	63	98	983	0.00
	17:45	0	2	2	2	2	3	3	6	242	63	98	982	0.00
	18:00	0	2	2	2	3	3	4	7	234	64	97	982	0.00
	18:15	0	2	2	3	3	4	4	7	236	64	97	982	0.00
	18:30	0	2	2	2	3	4	4	7	235	64	97	982	0.00
	18:45	1	2	2	3	3	4	4	6	230	64	97	983	0.00
	19:00	1	2	2	3	4	4	4	5	246	64	97	983	0.00
	19:15	0	2	2	3	3	4	4	5	246	64	97	983	0.00
	19:30	1	2	2	3	3	4	5	4	252	64	97	983	0.00
	19:45	1	2	3	3	4	4	5	4	228	64	97	983	0.00
	20:00	1	2	3	4	4	4	5	5	243	64	97	983	0.00
	20:15	1	2	3	4	4	4	5	5	253	64	97	983	0.00
	20:30	2	2	3	4	5	5	6	6	231	64	97	983	0.02
	20:45	2	3	3	4	5	5	5	5	245	63	97	983	0.05
	21:00	2	3	3	4	4	6	6	7	259	63	97	983	0.13
	21:15	1	2	2	2	3	5	6	6	261	61	92	983	0.00
	21:30	0	2	2	2	2	4	3	5	251	60	92	983	0.00
	21:45	0	2	2	2	2	4	4	4	257	59	94	983	0.00
	22:00	0	2	2	2	2	4	4	4	255	59	90	983	0.00
	22:15	0	2	1	2	2	3	3	3	271	58	93	984	0.00
	22:30	1	2	2	2	3	3	3	3	262	57	94	984	0.00
	22:45	0	2	2	2	2	3	3	4	261	57	89	984	0.00
	23:00	0	1	1	2	2	2	2	5	250	57	90	984	0.00
	23:15	0	1	1	2	2	3	3	5	237	56	89	984	0.00
	23:30	0	1	1	2	2	2	2	6	255	56	87	984	0.00
	23:45	0	1	1	3	2	2	2	4	264	56	89	984	0.00
	00:00	0	1	1	3	1	2	2	4	264	56	89	983	0.00

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

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

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
10/14/2023	00:15	1	1	1	3	1	2	3	4	263	56	89	983	0.00
	00:30	1	1	1	2	2	Offline	2	3	243	55	90	984	0.00
	00:45	1	1	1	3	2	Offline	2	4	250	55	92	984	0.00
	01:00	1	1	1	2	2	Offline	2	3	261	54	91	984	0.00
	01:15	1	1	1	2	1	Offline	2	3	285	54	92	984	0.00
	01:30	1	1	1	2	2	Offline	2	3	264	54	92	984	0.00
	01:45	2	1	1	3	2	Offline	2	3	265	54	91	984	0.00
	02:00	1	1	1	2	1	Offline	2	4	289	54	90	984	0.00
	02:15	1	1	1	2	2	Offline	2	6	257	54	89	984	0.00
	02:30	1	1	1	2	1	Offline	3	7	272	54	87	984	0.00
	02:45	1	1	1	2	1	Offline	2	5	251	55	87	984	0.00
	03:00	1	1	1	2	1	Offline	3	3	255	55	88	984	0.00
	03:15	1	1	1	2	1	Offline	2	4	256	54	91	984	0.00
	03:30	0	1	0	0	0	Offline	0	4	270	53	94	984	0.01
	03:45	0	1	0	0	0	Offline	0	4	271	51	95	984	0.01
	04:00	0	1	0	1	0	Offline	1	5	274	51	96	984	0.00
	04:15	0	1	0	1	0	Offline	1	4	270	51	96	984	0.00
	04:30	0	1	0	1	0	Offline	1	6	274	51	96	984	0.00
	04:45	0	1	0	2	0	Offline	1	6	260	52	95	984	0.00
	05:00	0	1	0	1	0	Offline	1	6	264	52	95	984	0.00
	05:15	0	1	1	1	0	Offline	1	8	257	52	94	984	0.00
	05:30	0	1	0	1	0	Offline	1	8	259	52	96	984	0.00
	05:45	0	1	0	1	0	Offline	1	8	248	51	97	984	0.00
	06:00	0	1	0	0	0	Offline	0	7	252	51	97	984	0.00
	06:15	0	1	0	1	0	Offline	1	6	250	51	97	984	0.01
	06:30	0	1	1	2	1	Offline	1	7	255	51	97	984	0.00
	06:45	0	2	1	1	1	Offline	1	8	248	51	97	984	0.00
	07:00	1	1	1	2	1	Offline	1	6	242	51	97	984	0.00
	07:15	0	1	1	2	1	Offline	1	5	251	51	97	984	0.00
	07:30	0	1	1	1	1	Offline	1	8	251	51	96	984	0.00
	07:45	0	1	0	2	0	Offline	1	9	243	51	96	984	0.00
	08:00	0	1	0	1	0	Offline	1	9	251	51	96	984	0.00
	08:15	0	1	0	1	0	Offline	0	8	247	52	97	984	0.00
	08:30	0	1	0	1	0	Offline	0	8	252	52	97	984	0.00
	08:45	0	1	0	1	0	Offline	0	4	273	52	98	985	0.00
	09:00	0	1	0	0	0	Offline	0	4	257	53	98	985	0.00
	09:15	0	1	0	1	0	Offline	0	4	246	53	97	985	0.00
	09:30	0	1	0	0	0	Offline	0	4	291	54	97	985	0.00
	09:45	0	1	0	0	0	0	0	5	279	54	95	985	0.00
	10:00	0	0	0	0	0	0	0	4	316	56	93	985	0.00
	10:15	0	1	0	0	0	0	0	4	316	56	92	985	0.00
	10:30	0	1	0	0	0	0	0	5	308	55	92	986	0.00
	10:45	0	1	0	0	0	0	0	4	307	55	92	986	0.00
	11:00	0	1	0	0	0	0	0	5	311	55	92	986	0.00
	11:15	0	1	0	0	0	0	0	5	320	55	92	987	0.00
	11:30	0	1	0	0	0	0	0	4	335	55	93	987	0.00
	11:45	0	1	0	0	0	0	0	5	314	55	93	987	0.00
	12:00	0	1	0	0	0	0	0	4	319	54	95	987	0.00
	12:15	0	0	0	0	0	0	0	5	332	54	95	987	0.00
	12:30	0	1	0	0	0	0	0	5	323	54	93	988	0.00
	12:45	0	0	0	0	0	0	0	5	324	54	92	988	0.00
	13:00	0	1	0	0	0	0	0	5	330	54	92	988	0.00
	13:15	1	2	1	1	1	1	1	5	322	54	92	988	0.00
	13:30	1	2	1	1	1	1	1	5	331	54	92	988	0.00
	13:45	0	1	0	0	0	0	0	6	329	54	92	989	0.00
	14:00	0	1	0	0	0	0	0	5	323	54	92	989	0.00
	14:15	1	2	1	1	1	0	0	5	327	54	91	989	0.00
	14:30	0	1	0	0	0	0	0	5	324	54	90	989	0.00
	14:45	0	1	0	0	0	0	0	4	331	54	89	989	0.00
	15:00	0	1	0	0	0	0	0	5	332	54	89	990	0.00
	15:15	0	1	0	0	0	0	0	4	332	55	88	990	0.00
	15:30	0	1	0	0	0	0	0	5	323	55	86	990	0.00
	15:45	0	1	0	0	0	0	0	6	341	56	86	990	0.00
	16:00	0	1	0	0	0	0	0	5	334	55	86	990	0.00
	16:15	0	1	0	0	0	0	0	5	335	55	86	991	0.00
	16:30	0	1	0	0	0	0	0	6	333	55	90	991	0.00
	16:45	0	1	0	0	0	0	0	5	332	54	92	991	0.00
	17:00	0	0	0	0	0	0	0	6	326	54	94	991	0.00
	17:15	0	1	0	0	0	0	0	6	332	54	93	992	0.00
	17:30	0	0	0	0	0	0	0	6	344	54	90	992	0.00
	17:45	0	0	0	0	0	0	0	5	340	54	90	992	0.00
	18:00	0	0	0	0	0	0	0	5	336	54	89	992	0.00
	18:15	0	1	0	0	0	0	0	6	345	54	85	992	0.00
	18:30	0	1	0	0	0	0	0	9	348	55	84	993	0.00
	18:45	0	1	0	0	0	0	0	9	345	54	88	993	0.00
	19:00	0	1	0	0	0	0	0	8	345	53	88	993	0.00
	19:15	0	1	0	0	0	0	0	8	352	53	87	993	0.00
	19:30	0	1	0	0	0	0	0	8	353	53	85	993	0.00
	19:45	0	1	0	0	0	0	0	6	352	53	85	994	0.00
	20:00	0	1	0	0	0	0	0	5	343	53	87	994	0.00
	20:15	0	1	0	0	0	0	0	4	335	53	88	994	0.00
	20:30	0	1	0	0	0	0	0	6	344	53	86	994	0.00
	20:45	0	1	0	0	0	0	0	6	350	53	85	994	0.00
	21:00	0	1	0	0	0	0	0	6	349	53	85	994	0.00
	21:15	0	1	0	0	0	0	0	10	356	53	85	995	0.00
	21:30	1	2	0	0	0	0	0	7	349	53	86	995	0.00
	21:45	0	1	0	0	0	0	0	7	352	53	88	995	0.00
	22:00	0	1	0	0	0	0	0	8	356	52	91	995	0.00
	22:15	0	1	0	0	0	0	0	9	359	52	93	995	0.00
	22:30	0	1	0	0	0	0	Offline	7	346	51	94	995	0.00
	22:45	0	1	0	0	0	0	Offline	5	336	51	95	995	0.00
	23:00	0	1	0	0	0	0	Offline	4	334	51	95	995	0.00
	23:15	0	2	0	1	0	0	Offline	6	340	51	94	995	0.00
	23:30	0	2	0	1	1	0	Offline	4	336	51	94	995	0.00
	23:45	0	1	0	1	1	0	Offline	3	326	51	94	995	0.00
	00:00	1	2	1	1	1	1	Offline	4	333	51	92	995	0.00

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

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

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	0	2	1	1	1	1	Offline	3	326	51	93	995	0.00
	00:30	1	2	1	1	1	1	Offline	4	329	51	92	995	0.00
	00:45	0	2	1	1	1	1	Offline	4	331	51	91	995	0.00
	01:00	0	2	1	1	1	1	Offline	5	337	51	91	995	0.01
	01:15	0	2	1	1	1	1	Offline	5	339	51	90	995	0.00
	01:30	0	2	1	1	1	1	Offline	6	344	51	89	995	0.00
	01:45	0	2	0	0	1	0	Offline	6	343	51	89	995	0.00
	02:00	0	1	0	0	1	0	Offline	5	342	50	88	995	0.00
	02:15	0	1	0	0	0	0	Offline	5	336	50	89	995	0.00
	02:30	0	1	0	0	0	0	Offline	4	334	50	88	995	0.00
	02:45	0	1	0	0	0	0	Offline	3	322	50	88	995	0.00
	03:00	0	1	0	0	0	0	Offline	3	320	49	88	995	0.00
	03:15	0	1	0	0	1	0	Offline	4	326	49	89	996	0.00
	03:30	0	1	0	0	0	0	Offline	3	313	49	89	996	0.00
	03:45	0	1	0	0	1	0	Offline	3	324	49	89	996	0.00
	04:00	0	1	0	0	1	0	Offline	3	323	49	89	996	0.00
	04:15	0	1	0	0	1	0	Offline	4	323	49	88	996	0.00
	04:30	0	1	0	0	1	0	Offline	4	334	49	88	996	0.00
	04:45	0	1	0	0	1	0	Offline	4	328	49	88	996	0.00
	05:00	0	1	0	0	1	0	Offline	4	329	49	88	996	0.00
	05:15	0	1	0	0	1	0	Offline	4	330	49	88	996	0.00
	05:30	0	1	0	0	1	0	Offline	4	322	49	89	996	0.00
	05:45	0	1	0	0	Offline	0	Offline	4	317	49	89	996	0.00
	06:00	0	1	0	0	Offline	0	Offline	4	316	48	89	996	0.00
	06:15	0	1	0	0	Offline	0	Offline	3	306	48	90	996	0.00
	06:30	0	1	0	0	Offline	0	Offline	3	311	48	90	996	0.00
	06:45	0	1	0	0	Offline	0	Offline	4	288	48	90	996	0.00
	07:00	0	1	0	0	Offline	0	Offline	5	273	47	90	996	0.00
	07:15	0	1	0	0	Offline	0	Offline	6	270	47	91	996	0.00
	07:30	0	1	0	0	Offline	0	Offline	6	278	47	92	996	0.00
	07:45	0	1	0	0	Offline	0	Offline	5	277	47	90	996	0.00
	08:00	0	1	0	0	Offline	0	Offline	4	325	48	88	997	0.00
	08:15	0	1	0	0	Offline	0	Offline	4	330	48	87	997	0.00
	08:30	0	1	0	0	Offline	0	Offline	5	335	49	81	997	0.00
	08:45	0	1	0	0	Offline	0	0	5	329	51	78	997	0.00
	09:00	0	1	0	0	0	0	0	6	335	51	79	997	0.00
	09:15	0	1	0	0	0	0	0	9	351	52	73	997	0.00
	09:30	0	1	0	0	0	0	0	8	348	53	73	997	0.00
	09:45	0	1	0	0	0	0	0	8	347	53	73	997	0.00
	10:00	0	1	0	0	0	0	0	7	345	53	71	997	0.00
	10:15	0	1	0	0	0	0	0	6	344	54	70	997	0.00
	10:30	0	1	0	0	0	0	0	6	344	55	67	997	0.00
	10:45	0	1	0	0	0	0	0	8	354	55	66	997	0.00
	11:00	0	1	0	0	0	0	0	6	343	56	65	997	0.00
	11:15	0	1	0	0	0	0	0	Offline	Offline	Offline	Offline	Offline	Offline
	11:30	0	1	0	0	0	0	0	3	347	57	60	997	0.00
	11:45	0	1	0	0	0	0	0	3	346	57	61	997	0.00
10/15/2023	12:00	0	0	0	0	0	0	0	3	340	58	60	997	0.00
	12:15	0	1	0	0	0	0	0	3	334	59	62	997	0.00
	12:30	0	1	0	0	0	0	1	2	333	59	56	997	0.00
	12:45	0	1	0	0	0	0	1	3	341	59	54	997	0.00
	13:00	0	1	0	0	0	0	1	3	338	60	54	996	0.00
	13:15	0	1	0	1	0	0	1	3	330	60	50	996	0.00
	13:30	0	1	0	1	0	0	1	3	337	59	50	996	0.00
	13:45	0	1	0	1	0	0	1	3	326	60	54	996	0.00
	14:00	0	1	0	0	0	0	1	3	332	59	52	996	0.00
	14:15	0	1	0	0	0	0	1	3	324	60	52	996	0.00
	14:30	0	1	0	1	0	0	1	3	339	60	51	996	0.00
	14:45	0	1	0	0	0	0	1	2	329	59	54	996	0.00
	15:00	0	1	0	0	0	0	1	3	334	59	52	996	0.00
	15:15	0	1	0	0	0	0	1	3	333	59	54	996	0.00
	15:30	0	1	0	0	0	0	1	2	343	58	54	996	0.00
	15:45	0	1	0	1	0	0	1	2	330	57	57	996	0.00
	16:00	0	1	0	0	0	0	1	2	322	57	55	996	0.00
	16:15	0	1	0	0	0	0	1	2	333	58	54	996	0.00
	16:30	0	2	1	1	0	1	1	2	317	57	56	996	0.00
	16:45	0	1	0	0	0	0	1	3	342	56	58	996	0.00
	17:00	0	1	0	0	0	0	1	2	329	56	55	996	0.00
	17:15	0	1	0	0	0	0	1	3	340	57	54	996	0.00
	17:30	0	1	0	0	0	0	1	3	340	56	56	996	0.00
	17:45	0	2	0	0	0	0	1	3	344	55	61	996	0.00
	18:00	0	2	0	0	0	0	1	2	332	54	62	996	0.00
	18:15	0	2	0	0	0	0	1	2	329	53	63	996	0.00
	18:30	0	2	0	0	0	0	1	2	335	52	66	996	0.00
	18:45	0	2	0	0	0	0	1	2	331	51	68	996	0.00
	19:00	0	2	1	1	1	1	1	2	324	50	70	996	0.00
	19:15	1	2	1	1	1	1	2	2	316	49	73	996	0.00
	19:30	2	2	1	1	1	1	2	1	318	49	74	996	0.00
	19:45	1	2	1	1	1	1	1	2	278	48	76	996	0.00
	20:00	1	2	1	1	1	0	1	3	267	47	77	996	0.00
	20:15	0	2	1	1	1	1	1	3	268	47	78	997	0.00
	20:30	0	2	1	0	1	1	1	3	269	46	81	997	0.00
	20:45	0	2	0	1	1	0	1	2	246	46	83	997	0.00
	21:00	0	2	0	0	1	0	1	3	257	45	85	997	0.00
	21:15	0	2	0	0	1	0	1	3	255	44	87	997	0.00
	21:30	0	2	1	0	1	1	1	2	255	44	88	997	0.00
	21:45	0	2	1	1	1	1	1	2	253	44	90	997	0.00
	22:00	0	2	0	0	0	1	1	2	256	44	88	997	0.00
	22:15	0	2	1	1	1	1	1	2	258	45	84	996	0.00
	22:30	0	2	0	0	0	0	1	2	252	46	84	996	0.00
	22:45	0	2	0	0	0	0	1	2	246	46	82	996	0.00
	23:00	0	2	0	0	0	0	1	2	254	47	81	996	0.00
	23:15	0	1	0	1	0	0	1	2	266	47	81	996	0.00
	23:30	0	1	0	1	0	1	1	3	263	47	82	996	0.00
	23:45	0	1	0	1	0	0	1	3	264	47	81	996	0.00
	00:00	0	1	0	1	0	0	1	2	265	47	81	996	0.00

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

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

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	0	1	0	1	0	1	0	3	268	47	80	996	0.00
	00:30	0	1	0	1	0	0	0	2	264	47	81	996	0.00
	00:45	0	1	1	1	0	0	0	2	262	47	80	996	0.00
	01:00	0	1	0	1	0	0	0	3	262	47	80	996	0.00
	01:15	0	2	1	1	0	0	1	3	267	47	80	996	0.00
	01:30	0	2	1	1	1	1	0	3	262	47	81	996	0.00
	01:45	0	2	1	1	0	1	1	3	267	46	82	996	0.00
	02:00	0	2	1	1	0	1	1	2	252	46	83	996	0.00
	02:15	0	2	1	1	1	1	1	2	235	46	83	996	0.00
	02:30	0	2	1	1	1	1	1	2	246	45	84	996	0.00
	02:45	0	2	1	1	1	1	1	2	257	45	84	996	0.00
	03:00	0	2	1	1	1	1	1	2	246	45	85	996	0.00
	03:15	0	2	1	2	1	1	1	2	261	45	85	995	0.00
	03:30	0	2	1	2	1	1	1	2	249	45	85	995	0.00
	03:45	0	2	1	2	1	1	1	2	252	45	85	995	0.00
	04:00	0	2	1	1	1	1	1	2	248	45	86	995	0.00
	04:15	0	2	1	2	1	1	1	2	251	45	87	995	0.00
	04:30	0	2	1	1	1	1	1	2	250	44	87	995	0.00
	04:45	0	2	1	2	1	1	1	2	258	44	88	995	0.00
	05:00	0	2	1	2	1	1	1	3	256	44	88	995	0.00
	05:15	0	2	1	2	1	1	1	2	256	44	89	995	0.00
	05:30	0	2	1	2	1	1	1	2	260	44	89	995	0.00
	05:45	0	2	1	2	1	1	1	3	263	44	89	995	0.00
	06:00	0	2	1	2	1	1	1	2	259	43	90	995	0.00
	06:15	0	2	1	2	1	1	1	2	268	43	90	995	0.00
	06:30	0	2	1	2	2	2	2	2	266	43	91	996	0.00
	06:45	0	2	2	2	2	2	2	2	267	43	92	996	0.00
	07:00	0	2	1	2	1	2	2	3	267	43	92	996	0.00
	07:15	0	2	2	2	2	2	2	2	261	43	92	996	0.00
	07:30	0	2	2	2	2	2	2	3	258	43	92	996	0.00
	07:45	0	2	2	2	2	2	2	3	264	43	91	996	0.00
	08:00	0	2	2	2	2	2	2	3	269	44	90	996	0.00
	08:15	0	2	2	2	2	2	2	3	273	45	86	996	0.00
	08:30	0	2	2	3	2	2	2	2	293	48	80	996	0.00
	08:45	0	2	2	3	2	2	2	2	322	49	78	997	0.00
	09:00	0	2	2	2	2	2	2	2	323	51	76	997	0.00
	09:15	0	8	2	3	2	2	2	2	335	52	75	997	0.00
	09:30	1	2	2	3	2	2	2	2	325	53	70	997	0.00
	09:45	1	2	2	3	2	1	4	2	343	54	69	997	0.00
	10:00	1	2	2	3	2	2	2	3	343	55	67	997	0.00
	10:15	1	2	2	2	2	2	2	3	343	54	70	997	0.00
	10:30	1	2	2	3	2	2	2	3	340	55	70	997	0.00
	10:45	1	2	2	2	2	2	2	3	338	54	70	997	0.00
	11:00	0	2	2	2	2	2	2	3	338	55	70	997	0.00
	11:15	1	2	2	3	2	2	2	3	340	55	70	997	0.00
	11:30	0	2	2	2	2	2	2	2	322	56	68	997	0.00
	11:45	0	2	2	2	2	2	2	2	327	56	68	998	0.00
10/16/2023	12:00	0	2	2	3	2	2	2	2	330	56	68	997	0.00
	12:15	0	2	3	3	2	2	2	2	331	57	70	997	0.00
	12:30	0	2	3	5	2	2	2	2	342	59	63	997	0.00
	12:45	0	2	2	4	2	2	2	3	345	59	65	997	0.00
	13:00	0	2	1	2	1	2	2	2	328	59	64	997	0.00
	13:15	0	2	2	2	1	2	2	2	331	59	62	996	0.00
	13:30	0	1	1	2	1	1	1	2	344	59	62	996	0.00
	13:45	1	2	1	2	0	1	1	2	342	59	60	996	0.00
	14:00	1	2	1	2	1	1	0	3	348	59	60	996	0.00
	14:15	0	1	1	2	1	1	1	2	342	60	56	996	0.00
	14:30	1	2	1	2	1	1	1	2	324	60	57	996	0.00
	14:45	0	1	1	2	1	1	1	2	326	61	56	996	0.00
	15:00	0	1	1	2	1	1	1	2	326	62	56	996	0.00
	15:15	0	1	1	3	1	1	1	3	8	61	58	995	0.00
	15:30	1	1	1	2	1	1	1	2	351	61	56	996	0.00
	15:45	0	1	1	2	1	1	1	3	351	61	57	996	0.00
	16:00	0	1	1	2	1	1	1	2	335	62	56	996	0.00
	16:15	0	1	1	2	1	1	1	2	342	63	52	995	0.00
	16:30	0	1	1	2	1	1	1	2	348	62	56	995	0.00
	16:45	1	2	2	3	2	1	1	2	352	61	56	995	0.00
	17:00	2	6	8	8	5	3	3	2	348	61	58	995	0.00
	17:15	1	4	5	6	4	2	2	2	6	60	59	996	0.00
	17:30	1	2	1	2	1	1	1	2	24	59	62	996	0.00
	17:45	1	2	1	2	1	1	1	2	18	59	63	996	0.00
	18:00	1	1	1	2	1	1	1	2	20	58	64	996	0.00
	18:15	1	1	1	1	1	1	1	2	27	58	66	996	0.00
	18:30	1	1	1	1	1	1	1	2	31	57	68	996	0.00
	18:45	1	1	1	2	2	1	1	2	20	56	69	996	0.00
	19:00	2	2	2	2	2	2	2	1	10	56	72	996	0.00
	19:15	1	2	2	2	2	2	2	1	292	54	79	996	0.00
	19:30	2	2	2	2	2	2	2	1	277	53	81	996	0.00
	19:45	1	1	1	2	2	2	2	1	291	52	83	996	0.00
	20:00	1	1	1	2	1	1	1	1	282	51	86	996	0.00
	20:15	1	1	1	2	1	1	2	1	282	50	88	996	0.00
	20:30	1	1	1	2	2	1	1	1	267	49	89	996	0.00
	20:45	1	1	1	2	1	1	1	1	292	48	90	996	0.00
	21:00	1	1	1	2	1	1	1	2	255	48	92	997	0.00
	21:15	1	1	1	2	1	1	1	2	256	47	93	997	0.00
	21:30	1	1	1	2	1	1	1	2	264	47	93	997	0.00
	21:45	1	1	1	1	1	1	1	3	267	46	95	997	0.00
	22:00	1	1	1	2	1	1	1	3	269	46	95	997	0.00
	22:15	1	1	1	2	2	1	1	2	246	46	95	997	0.00
	22:30	1	1	1	2	2	2	2	2	250	45	96	997	0.00
	22:45	1	1	2	2	2	2	2	2	253	45	97	997	0.00
	23:00	2	1	2	2	2	2	2	2	259	45	97	997	0.00
	23:15	2	1	1	2	2	2	2	2	262	45	97	997	0.00
	23:30	3	2	2	2	2	2	2	2	253	45	97	997	0.00
	23:45	3	1	2	3	2	2	2	2	248	44	97	996	0.00
	00:00	2	1	2	2	3	2	2	1	238	44	97	996	0.00

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

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

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m^3]	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]	Average Concentration [µg/m^3]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
10/17/2023	00:15	2	2	2	2	3	2	2	2	253	43	97	996	0.00
	00:30	2	2	2	2	2	3	2	2	260	43	97	996	0.00
	00:45	2	2	2	2	2	3	3	2	243	43	97	996	0.00
	01:00	2	2	2	2	2	2	3	2	258	42	97	996	0.00
	01:15	2	2	2	1	2	2	2	1	274	42	97	996	0.00
	01:30	1	2	2	1	2	2	2	2	288	42	98	996	0.00
	01:45	1	2	2	1	2	2	2	2	259	42	98	996	0.00
	02:00	1	1	2	1	2	2	2	2	250	42	98	996	0.00
	02:15	1	1	2	1	2	2	2	1	259	42	98	996	0.00
	02:30	1	1	2	2	2	2	2	2	252	41	98	996	0.00
	02:45	1	1	2	1	2	2	2	1	255	41	98	996	0.00
	03:00	1	1	2	1	2	2	2	2	237	41	98	996	0.00
	03:15	1	1	2	2	2	2	2	2	244	41	98	996	0.00
	03:30	1	1	2	2	2	2	2	1	226	40	98	996	0.00
	03:45	1	1	2	1	2	2	2	2	190	40	98	996	0.00
	04:00	1	1	1	1	2	2	2	2	239	40	98	996	0.00
	04:15	1	1	1	1	2	1	2	2	272	40	98	996	0.00
	04:30	1	1	1	1	1	1	Offline	1	277	40	98	996	0.00
	04:45	1	1	1	1	2	1	Offline	2	264	40	99	996	0.00
	05:00	1	1	1	1	2	1	Offline	2	244	41	99	996	0.00
	05:15	1	1	1	1	1	1	Offline	1	242	40	99	996	0.00
	05:30	1	1	1	1	1	1	Offline	1	247	39	98	996	0.00
	05:45	1	1	1	1	1	1	Offline	1	297	39	98	996	0.00
	06:00	1	1	1	1	1	1	Offline	2	265	39	99	997	0.00
	06:15	1	1	1	1	1	1	Offline	1	275	39	99	997	0.00
	06:30	1	1	2	1	2	1	Offline	1	270	39	99	997	0.00
	06:45	1	1	1	1	2	1	Offline	2	266	39	99	997	0.00
	07:00	1	1	1	1	2	2	Offline	1	247	39	99	997	0.00
	07:15	1	1	1	1	2	2	Offline	1	225	39	99	997	0.00
	07:30	1	1	2	1	2	1	Offline	1	239	39	99	997	0.00
	07:45	1	1	1	1	2	2	Offline	1	229	39	99	997	0.00
	08:00	1	1	2	1	2	2	Offline	1	201	40	99	997	0.00
	08:15	2	2	2	1	2	2	Offline	1	215	42	100	997	0.00
	08:30	1	2	2	2	2	2	0	2	226	44	98	997	0.00
	08:45	2	4	2	3	3	3	2	2	225	46	91	998	0.00
	09:00	3	4	4	4	4	1	3	2	240	48	88	998	0.00
	09:15	3	4	4	4	4	4	4	2	240	49	84	998	0.00
	09:30	3	4	5	5	4	3	3	2	225	51	80	998	0.00
	09:45	4	4	5	6	4	4	4	3	240	52	76	998	0.00
	10:00	3	4	4	5	4	4	4	3	225	53	76	998	0.00
	10:15	4	4	4	6	4	4	4	3	218	54	73	998	0.00
	10:30	4	4	5	6	4	5	4	3	214	56	73	997	0.00
	10:45	3	3	4	5	4	4	4	3	219	58	67	997	0.00
	11:00	3	3	4	4	4	4	4	3	223	59	65	997	0.00
	11:15	4	3	4	5	4	4	4	3	221	60	61	997	0.00
	11:30	3	3	4	6	4	5	4	3	223	60	60	997	0.00
	11:45	3	3	4	6	4	4	4	4	227	61	56	997	0.00
	12:00	3	3	4	4	4	4	4	3	219	61	56	997	0.00
	12:15	2	2	3	3	3	4	3	4	234	62	51	997	0.00
	12:30	2	2	3	3	3	4	4	4	220	63	53	996	0.00
	12:45	2	2	3	2	3	4	3	3	215	63	50	996	0.00
	13:00	2	2	3	2	2	3	3	4	228	63	51	996	0.00
	13:15	2	2	3	3	3	4	3	4	232	63	48	996	0.00
	13:30	2	2	3	4	3	4	3	4	238	63	48	995	0.00
	13:45	2	2	3	3	3	4	3	4	232	63	48	995	0.00
	14:00	2	2	3	4	3	4	3	4	236	64	49	995	0.00
	14:15	2	2	3	4	3	4	3	4	256	65	47	995	0.00
	14:30	2	2	3	3	3	4	4	4	231	65	47	994	0.00
	14:45	2	2	3	3	3	4	4	3	220	65	46	994	0.00
	15:00	2	3	3	3	3	4	4	3	233	66	44	994	0.00
	15:15	2	3	3	3	3	4	3	3	231	66	42	994	0.00
	15:30	1	3	2	3	3	3	3	4	237	66	45	994	0.00
	15:45	2	3	2	3	2	3	3	3	229	67	43	994	0.00
	16:00	2	3	2	3	2	3	3	3	219	66	44	994	0.00
	16:15	2	3	2	3	3	3	3	2	215	66	44	994	0.00
	16:30	2	3	2	3	3	3	3	2	212	66	44	994	0.00
	16:45	2	3	2	2	3	3	3	2	221	67	44	994	0.00
	17:00	2	3	3	2	3	4	3	2	231	66	44	994	0.00
	17:15	2	4	3	3	3	4	4	2	222	66	49	994	0.00
	17:30	2	4	2	3	3	4	3	1	211	65	50	994	0.00
	17:45	2	4	2	3	3	3	3	1	230	63	61	994	0.00
	18:00	4	5	3	5	4	5	5	1	234	61	63	993	0.00
	18:15	8	9	6	9	8	6	6	1	229	58	69	994	0.00
	18:30	8	9	7	12	8	7	8	1	225	56	69	994	0.00
	18:45	8	9	8	15	8	9	9	1	224	55	73	994	0.00
	19:00	27	57	55	84	43	17	18	1	230	54	76	994	0.00
	19:15	21	35	49	73	54	22	23	1	224	54	77	994	0.00
	19:30	45	63	52	70	66	54	59	1	219	53	80	994	0.00
	19:45	44	43	27	37	52	38	40	1	210	52	82	994	0.00
	20:00	33	30	19	27	29	33	34	1	205	51	84	994	0.00
	20:15	15	16	9	14	13	18	16	1	185	50	85	994	0.00
	20:30	6	7	3	6	5	7	8	1	191	50	84	994	0.00
	20:45	4	6	2	4	4	5	5	1	201	50	85	994	0.00
	21:00	4	6	2	4	4	4	4	1	221	49	86	994	0.00
	21:15	3	5	2	4	4	5	5	1	186	48	87	994	0.00
	21:30	3	6	2	4	4	4	4	1	168	48	89	994	0.00
	21:45	3	5	2	4	4	4	4	2	192	47	89	994	0.00
	22:00	3	5	2	4	3	4	4	2	196	46	90	994	0.00
	22:15	3	5	2	4	4	4	4	2	197	46	90	994	0.00
	22:30	3	5	2	4	4	4	4	2	162	46	90	994	0.00
	22:45	3	5	2	4	4	4	4	2	156	46	91	994	0.00
	23:00	3	5	2	4	3	4	4	2	165	46	91	994	0.00
	23:15	3	5	2	4	4	4	4	2	168	46	92	994	0.00
	23:30	3	5	2	4	3	4	4	2	162	45	91	994	0.00
	23:45	3	5	2	4	4	4	4	2	161	45	91	994	0.00
	00:00	3	5	2	4	4	4	4	2	164	45	90	994	0.00

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

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

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m^3]	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]	Average Concentration [µg/m^3]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
10/18/2023	00:15	3	5	2	4	4	3	3	2	156	45	90	994	0.00
	00:30	4	5	2	4	4	4	3	2	162	45	90	994	0.00
	00:45	4	6	3	4	4	4	3	2	157	45	89	994	0.00
	01:00	4	6	3	4	4	4	4	2	165	46	87	994	0.00
	01:15	4	6	3	4	4	4	4	3	179	46	87	993	0.00
	01:30	4	5	2	4	4	4	4	2	177	46	85	993	0.00
	01:45	3	5	2	4	4	4	3	1	142	47	84	993	0.00
	02:00	3	5	2	4	4	3	3	2	187	48	83	993	0.00
	02:15	3	5	2	4	4	3	3	2	187	48	83	993	0.00
	02:30	3	5	2	3	3	3	3	2	183	48	83	993	0.00
	02:45	3	5	2	4	3	3	3	2	192	48	83	993	0.00
	03:00	3	5	2	3	4	3	3	2	207	48	84	993	0.00
	03:15	3	5	2	4	3	4	3	2	194	47	85	993	0.00
	03:30	3	5	2	4	4	3	3	2	200	47	87	993	0.00
	03:45	3	5	2	4	4	3	3	2	181	46	88	993	0.00
	04:00	3	5	2	3	4	3	3	2	170	46	89	993	0.00
	04:15	3	5	2	4	4	3	3	2	180	46	89	993	0.00
	04:30	3	5	2	4	4	4	3	2	180	46	90	993	0.00
	04:45	3	5	2	4	4	4	3	2	180	46	90	993	0.00
	05:00	3	5	2	4	4	4	3	2	171	46	91	993	0.00
	05:15	3	5	2	4	4	4	4	2	176	46	91	993	0.00
	05:30	4	6	3	4	4	4	4	3	184	46	90	993	0.00
	05:45	4	6	3	5	4	4	4	2	179	46	91	993	0.00
	06:00	4	6	3	5	5	4	4	2	179	46	92	993	0.00
	06:15	4	7	3	5	5	5	4	2	173	46	92	993	0.00
	06:30	5	7	3	6	5	5	5	3	200	46	92	993	0.00
	06:45	5	7	4	6	6	5	5	3	177	46	92	994	0.00
	07:00	5	7	4	6	6	5	5	2	180	46	92	993	0.00
	07:15	5	7	4	6	6	5	5	2	168	46	93	993	0.00
	07:30	5	7	4	6	6	5	5	3	172	46	93	993	0.00
	07:45	5	7	4	6	6	5	5	2	170	46	92	993	0.00
	08:00	6	8	4	7	6	5	6	3	156	47	90	993	0.00
	08:15	7	9	5	8	7	6	3	2	190	48	89	994	0.00
	08:30	8	10	6	8	8	7	7	2	207	49	87	993	0.00
	08:45	9	11	8	10	9	8	8	3	190	51	83	994	0.00
	09:00	11	14	10	11	10	9	9	3	229	53	79	993	0.00
	09:15	13	14	11	12	11	11	11	4	227	54	77	994	0.00
	09:30	12	14	11	13	13	12	11	3	222	55	77	994	0.00
	09:45	12	14	11	14	12	11	11	3	219	56	73	993	0.00
	10:00	12	14	10	13	12	11	11	2	223	58	71	993	0.00
	10:15	11	13	9	12	12	12	11	3	234	59	68	993	0.00
	10:30	10	12	8	11	11	10	10	3	222	61	65	992	0.00
	10:45	8	9	6	8	9	8	8	4	224	62	61	992	0.00
	11:00	6	7	5	8	7	7	7	4	225	63	58	992	0.00
	11:15	6	7	5	7	7	7	6	4	217	64	56	992	0.00
	11:30	5	7	5	6	6	7	6	4	227	65	53	992	0.00
	11:45	6	7	5	6	7	7	7	4	226	66	51	992	0.00
	12:00	6	7	5	6	7	7	6	5	216	66	50	991	0.00
	12:15	5	6	4	5	6	6	5	5	226	67	48	991	0.00
	12:30	4	5	4	6	5	5	5	6	228	68	46	991	0.00
	12:45	4	5	3	5	5	5	5	6	225	68	46	991	0.00
	13:00	3	5	3	4	4	5	4	5	222	68	46	991	0.00
	13:15	3	4	3	3	4	4	4	6	221	68	45	990	0.00
	13:30	3	4	3	3	4	4	4	6	225	69	44	990	0.00
	13:45	3	5	3	4	4	5	4	5	218	69	43	990	0.00
	14:00	3	4	3	3	4	4	4	5	224	69	43	990	0.00
	14:15	3	4	2	2	3	4	4	5	231	69	42	990	0.00
	14:30	2	3	2	2	3	4	3	5	228	70	41	990	0.00
	14:45	3	3	2	3	3	4	3	5	224	70	42	989	0.00
	15:00	2	3	2	3	3	4	4	5	225	70	42	989	0.00
	15:15	3	3	2	2	3	4	3	4	219	69	41	989	0.00
	15:30	3	4	2	3	3	4	3	5	218	70	42	989	0.00
	15:45	3	4	2	3	4	4	4	4	208	70	41	988	0.00
	16:00	3	4	2	3	4	4	4	5	206	70	41	988	0.00
	16:15	3	4	2	2	3	4	4	6	221	70	41	988	0.00
	16:30	3	4	3	3	4	4	4	5	221	71	41	988	0.00
	16:45	3	4	3	3	4	4	4	4	229	70	41	988	0.00
	17:00	3	3	2	3	3	4	3	5	207	69	44	988	0.00
	17:15	3	4	2	3	4	4	4	4	218	68	47	987	0.00
	17:30	3	4	2	4	4	4	4	4	189	67	49	988	0.00
	17:45	3	4	2	3	4	4	4	4	234	67	51	988	0.00
	18:00	3	5	2	3	4	5	4	4	227	66	52	988	0.00
	18:15	5	6	3	6	5	5	5	3	230	65	53	989	0.00
	18:30	5	7	4	7	6	6	5	3	222	65	55	989	0.00
	18:45	5	7	3	8	6	6	5	2	235	64	56	989	0.00
	19:00	5	6	3	7	6	6	5	2	239	64	56	989	0.00
	19:15	5	6	3	5	6	6	5	2	250	64	57	989	0.00
	19:30	5	7	3	6	5	6	5	2	240	64	57	989	0.00
	19:45	5	6	3	5	5	6	5	3	238	64	57	989	0.00
	20:00	4	6	3	5	5	5	5	2	245	63	58	989	0.00
	20:15	4	6	3	5	5	5	5	2	230	63	58	989	0.00
	20:30	4	6	3	5	5	5	4	2	228	63	59	989	0.00
	20:45	4	6	3	5	5	5	5	2	234	63	61	989	0.00
	21:00	5	6	3	5	5	5	5	2	224	62	62	989	0.00
	21:15	5	7	3	5	5	5	5	2	243	62	64	989	0.00
	21:30	6	7	4	6	6	6	5	2	234	61	65	990	0.00
	21:45	6	8	4	7	7	6	6	2	238	61	65	990	0.00
	22:00	6	8	5	7	7	6	6	3	234	61	65	990	0.00
	22:15	7	9	5	8	7	7	7	3	242	61	71	989	0.00
	22:30	7	9	5	9	8	8	8	3	225	59	76	989	0.01
	22:45	8	11	6	10	9	9	8	4	245	58	79	989	0.01
	23:00	8	11	6	10	9	9	9	2	231	57	82	989	0.01
	23:15	8	11	6	10	10	9	9	3	224	57	81	989	0.00
	23:30	9	11	7	11	10	9	9	2	256	57	80	989	0.00
	23:45	9	11	7	11	10	9	9	2	228	57	80	989	0.00
	00:00	10	11	7	11	10	10	10	3	236	58	78	989	0.00

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

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m^3]	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]	Average Concentration [µg/m^3]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	10	13	8	12	10	10	9	4	228	58	77	989	0.00
	00:30	10	13	8	11	10	10	10	4	216	58	77	989	0.00
	00:45	10	13	8	12	10	10	10	4	223	58	77	988	0.00
	01:00	11	14	9	13	11	10	11	4	219	58	76	988	0.00
	01:15	13	15	10	14	12	11	11	2	240	58	77	988	0.00
	01:30	14	16	10	14	13	12	13	3	226	58	76	988	0.00
	01:45	13	15	10	14	12	13	13	3	233	57	77	988	0.00
	02:00	13	15	10	14	12	12	12	3	231	57	77	987	0.00
	02:15	13	16	11	14	13	12	13	3	229	57	76	987	0.00
	02:30	14	16	11	14	13	13	13	4	234	57	76	987	0.00
	02:45	13	16	11	14	13	13	13	4	226	57	77	987	0.00
	03:00	13	16	10	14	13	13	13	4	218	57	79	986	0.00
	03:15	13	16	10	14	13	13	13	4	229	57	80	986	0.00
	03:30	14	16	11	15	14	13	13	4	232	56	80	986	0.00
	03:45	14	17	11	15	14	13	14	4	241	56	81	986	0.00
	04:00	14	17	12	16	15	14	14	4	238	56	80	986	0.00
	04:15	15	18	12	16	16	14	14	4	235	56	81	986	0.00
	04:30	15	18	12	16	16	15	15	3	221	56	81	986	0.00
	04:45	14	17	12	16	15	14	14	3	230	55	83	986	0.00
	05:00	14	17	11	15	15	14	14	2	235	55	84	986	0.00
	05:15	13	16	11	15	14	13	14	3	238	55	84	986	0.00
	05:30	13	16	11	15	14	13	13	3	234	55	83	986	0.00
	05:45	13	16	11	15	13	13	13	3	242	55	83	986	0.00
	06:00	13	16	11	15	13	13	13	3	231	55	83	986	0.00
	06:15	12	15	11	14	13	13	13	3	238	55	84	986	0.00
	06:30	12	15	10	14	13	13	13	3	234	55	84	986	0.00
	06:45	13	15	10	13	13	12	12	3	230	55	85	986	0.00
	07:00	11	14	9	13	12	12	12	3	236	55	86	986	0.00
	07:15	11	15	9	12	12	12	12	3	234	55	88	986	0.01
	07:30	11	14	9	12	12	11	12	3	243	55	90	986	0.00
	07:45	11	13	8	11	11	11	11	3	239	54	92	986	0.02
	08:00	9	12	8	10	10	11	11	3	238	54	93	986	0.03
	08:15	7	10	5	8	9	10	10	3	241	54	94	986	0.03
	08:30	5	8	4	6	6	7	7	2	236	54	95	986	0.01
	08:45	0	7	3	5	5	5	5	4	248	54	95	986	0.00
	09:00	1	6	2	4	4	4	4	3	245	54	95	986	0.00
	09:15	0	5	2	3	3	4	3	3	235	54	95	986	0.00
	09:30	0	5	1	3	3	3	3	4	241	55	94	986	0.00
	09:45	0	5	1	3	3	3	3	3	242	55	94	986	0.00
	10:00	0	5	1	3	3	3	3	3	231	56	93	986	0.00
	10:15	0	5	2	4	3	3	3	3	239	56	92	986	0.00
	10:30	0	5	2	4	3	3	3	3	229	57	91	986	0.00
	10:45	0	5	2	4	3	3	3	3	223	57	90	986	0.00
	11:00	1	6	2	4	3	3	3	3	233	57	89	986	0.00
	11:15	0	5	2	4	3	3	3	3	232	57	89	986	0.00
	11:30	0	5	2	4	3	3	3	2	233	58	87	986	0.00
	11:45	0	5	2	3	3	3	3	3	231	58	86	986	0.00
10/19/2023	12:00	0	5	2	4	3	3	3	3	236	58	85	986	0.00
	12:15	1	5	2	4	3	4	3	3	224	58	84	986	0.00
	12:30	1	6	2	4	4	4	4	2	223	60	80	986	0.00
	12:45	2	6	3	5	4	5	4	3	233	59	79	986	0.00
	13:00	1	6	3	3	3	4	4	3	237	59	79	986	0.00
	13:15	1	6	2	3	4	3	3	3	230	59	78	986	0.00
	13:30	1	6	3	4	4	4	4	3	227	59	79	986	0.00
	13:45	1	6	3	4	4	4	4	3	237	59	80	986	0.00
	14:00	1	6	3	4	4	4	4	3	230	59	77	985	0.00
	14:15	1	6	2	3	4	4	4	2	226	59	79	985	0.00
	14:30	0	5	2	3	3	3	3	2	222	59	78	985	0.00
	14:45	0	5	2	3	3	3	3	3	228	61	69	985	0.00
	15:00	0	4	2	2	3	3	3	3	223	62	65	985	0.00
	15:15	0	4	1	2	2	3	2	3	215	63	66	985	0.00
	15:30	0	3	1	2	2	3	3	3	234	62	67	985	0.00
	15:45	0	4	1	1	2	3	3	3	245	62	68	985	0.00
	16:00	0	4	2	3	3	3	3	2	223	61	70	985	0.00
	16:15	0	5	2	2	2	3	3	3	241	61	71	985	0.00
	16:30	0	4	1	2	2	3	3	3	231	61	71	985	0.00
	16:45	0	4	1	2	2	3	3	3	242	60	71	985	0.00
	17:00	0	4	1	1	2	3	3	4	242	60	72	985	0.00
	17:15	0	4	1	1	1	3	3	3	236	60	74	985	0.00
	17:30	0	3	0	1	1	3	3	3	231	60	74	985	0.00
	17:45	Offline	3	0	1	1	3	2	4	232	59	77	985	0.00
	18:00	Offline	3	0	0	1	2	2	4	234	58	79	985	0.00
	18:15	Offline	3	0	0	1	2	2	3	236	58	80	985	0.00
	18:30	Offline	3	0	0	1	3	3	3	240	58	80	985	0.00
	18:45	Offline	3	0	0	1	2	2	3	237	58	80	985	0.00
	19:00	Offline	3	0	1	1	3	3	3	242	58	80	985	0.00
	19:15	Offline	3	0	1	1	3	3	3	242	58	80	985	0.00
	19:30	Offline	3	1	1	1	3	3	2	237	57	81	985	0.00
	19:45	Offline	4	1	1	2	4	3	3	240	57	81	985	0.00
	20:00	Offline	4	1	2	2	3	3	2	224	57	81	985	0.00
	20:15	Offline	4	1	2	2	4	4	3	235	57	80	985	0.00
	20:30	Offline	4	1	2	2	4	4	3	238	57	80	985	0.00
	20:45	Offline	4	1	2	3	4	5	2	231	57	80	985	0.00
	21:00	Offline	4	1	2	2	4	4	2	233	57	81	985	0.00
	21:15	Offline	5	1	2	3	4	4	2	231	57	82	985	0.00
	21:30	Offline	5	1	3	3	4	4	2	236	56	88	985	0.01
	21:45	Offline	6	2	3	4	3	3	1	238	55	90	985	0.00
	22:00	Offline	6	2	4	Offline	3	4	1	252	55	92	985	0.01
	22:15	Offline	6	2	4	Offline	4	4	1	223	55	93	985	0.00
	22:30	Offline	6	2	5	Offline	4	4	1	278	54	93	985	0.00
	22:45	Offline	6	2	4	Offline	4	5	1	236	55	93	985	0.00
	23:00	Offline	6	2	4	Offline	4	4	1	235	54	94	984	0.00
	23:15	Offline	6	2	4	Offline	4	4	1	228	54	94	984	0.00
	23:30	Offline	6	2	4	Offline	3	4	1	240	54	94	984	0.00
	23:45	Offline	6	2	4	Offline	4	5	1	238	54	95	984	0.00
	00:00	Offline	6	2	4	Offline	4	4	1	238	53	96	984	0.00

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

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m^3]	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]	Average Concentration [µg/m^3]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	Offline	6	2	4	Offline	4	4	1	225	53	96	984	0.00
	00:30	Offline	6	2	5	Offline	4	5	1	230	53	96	984	0.00
	00:45	Offline	6	2	5	Offline	4	5	1	231	53	96	984	0.00
	01:00	Offline	6	2	5	Offline	4	5	2	234	53	94	984	0.00
	01:15	Offline	6	3	5	Offline	4	5	1	232	53	94	984	0.00
	01:30	Offline	6	3	5	Offline	4	5	1	235	53	93	984	0.00
	01:45	Offline	6	2	5	Offline	4	4	1	226	52	94	984	0.00
	02:00	Offline	6	2	5	Offline	4	4	2	236	52	95	984	0.00
	02:15	Offline	6	2	5	Offline	4	4	1	222	51	95	984	0.00
	02:30	Offline	6	2	5	Offline	4	4	2	225	51	96	984	0.00
	02:45	Offline	6	2	5	Offline	4	4	2	222	50	97	984	0.00
	03:00	Offline	6	2	5	Offline	4	4	2	236	50	96	984	0.00
	03:15	Offline	6	2	5	Offline	4	4	1	223	50	97	984	0.00
	03:30	Offline	6	1	4	Offline	3	4	2	221	50	97	984	0.00
	03:45	Offline	6	2	4	Offline	3	4	2	209	49	97	984	0.00
	04:00	Offline	6	1	4	Offline	3	4	1	224	49	97	984	0.00
	04:15	Offline	6	1	4	Offline	3	4	1	229	48	98	984	0.00
	04:30	Offline	6	1	4	Offline	4	4	2	221	48	98	984	0.00
	04:45	Offline	6	1	4	Offline	4	4	2	219	48	98	984	0.00
	05:00	Offline	6	1	4	Offline	3	4	2	208	48	98	984	0.00
	05:15	Offline	6	1	4	Offline	4	4	2	207	48	98	984	0.00
	05:30	Offline	6	1	4	Offline	4	4	2	202	48	98	984	0.00
	05:45	Offline	6	1	4	Offline	4	4	2	205	47	98	984	0.00
	06:00	Offline	7	2	4	Offline	4	4	2	221	47	98	985	0.00
	06:15	Offline	7	2	4	Offline	4	5	3	202	47	99	985	0.00
	06:30	Offline	6	2	4	Offline	4	4	3	197	47	98	985	0.00
	06:45	Offline	7	2	5	Offline	4	4	3	202	47	98	985	0.00
	07:00	Offline	6	2	4	Offline	4	4	3	206	47	98	985	0.00
	07:15	Offline	6	2	4	Offline	4	4	3	206	47	98	985	0.00
	07:30	Offline	6	2	4	Offline	4	4	2	191	47	98	985	0.00
	07:45	4	7	2	5	Offline	3	4	3	201	47	98	985	0.00
	08:00	4	3	1	4	Offline	4	4	3	199	47	98	985	0.00
	08:15	3	6	2	2	Offline	3	4	3	199	47	98	985	0.00
	08:30	3	5	2	3	1	3	3	2	208	49	94	986	0.00
	08:45	3	5	2	2	3	3	3	2	226	51	86	986	0.00
	09:00	2	10	2	3	3	2	3	2	226	54	82	986	0.00
	09:15	2	11	2	3	2	2	2	2	236	55	77	986	0.00
	09:30	2	10	2	3	2	2	2	2	258	56	75	986	0.00
	09:45	2	9	1	3	2	2	2	3	298	57	70	986	0.00
	10:00	1	8	1	2	1	2	2	4	292	58	66	986	0.00
	10:15	1	8	1	1	2	2	2	3	301	59	63	986	0.00
	10:30	1	9	1	1	1	2	1	4	324	59	59	986	0.00
	10:45	1	9	1	2	1	1	1	3	290	61	58	986	0.00
	11:00	1	8	1	2	1	1	1	3	290	62	57	986	0.00
	11:15	1	8	1	0	1	1	1	4	330	62	55	986	0.00
	11:30	1	8	1	0	1	1	1	4	340	63	53	986	0.00
	11:45	1	8	1	1	1	1	1	3	289	64	49	986	0.00
10/20/2023	12:00	1	8	1	0	1	1	1	3	297	64	49	986	0.00
	12:15	1	8	1	1	1	1	1	3	297	65	51	986	0.00
	12:30	1	9	1	1	1	1	1	4	333	65	47	986	0.00
	12:45	1	9	1	2	1	1	1	3	284	65	48	986	0.00
	13:00	1	9	1	2	1	1	1	4	326	66	47	986	0.00
	13:15	1	9	1	1	1	1	1	3	258	66	46	986	0.00
	13:30	1	9	1	1	1	2	1	4	318	66	45	986	0.00
	13:45	1	9	1	1	1	2	1	3	256	66	49	986	0.00
	14:00	1	10	1	1	1	1	1	4	261	67	46	986	0.00
	14:15	1	10	1	1	1	2	1	3	311	67	44	986	0.00
	14:30	1	10	1	1	1	1	1	3	299	68	42	986	0.00
	14:45	1	9	1	1	1	1	1	3	246	67	43	986	0.00
	15:00	1	10	1	1	1	1	1	3	297	68	41	986	0.00
	15:15	1	9	1	1	1	1	1	3	252	68	42	986	0.00
	15:30	1	10	1	1	1	1	1	3	251	68	43	986	0.00
	15:45	1	10	1	1	1	1	1	3	284	68	45	986	0.00
	16:00	1	10	1	1	1	1	1	3	274	68	44	986	0.00
	16:15	1	10	1	2	1	2	1	3	240	68	43	986	0.00
	16:30	1	10	1	1	1	1	1	3	264	69	44	986	0.00
	16:45	1	10	1	2	1	1	1	3	260	68	45	986	0.00
	17:00	1	10	1	1	1	1	1	3	278	68	45	986	0.00
	17:15	1	10	1	1	2	1	1	3	288	67	46	986	0.00
	17:30	1	11	1	1	1	1	1	2	267	66	46	986	0.00
	17:45	1	11	1	1	1	1	1	2	258	65	50	986	0.00
	18:00	1	11	1	1	1	2	1	2	301	63	53	986	0.00
	18:15	1	11	1	3	1	2	1	1	259	62	59	986	0.00
	18:30	2	11	1	2	1	2	1	1	255	60	59	987	0.00
	18:45	2	12	1	2	2	2	1	1	238	59	66	987	0.00
	19:00	2	11	1	2	2	2	1	1	245	58	71	987	0.00
	19:15	2	12	1	1	2	1	1	2	246	57	71	987	0.00
	19:30	2	12	1	2	2	2	2	1	243	56	74	987	0.00
	19:45	2	13	1	2	3	3	3	2	242	55	77	987	0.00
	20:00	2	13	1	2	3	3	2	1	235	54	78	987	0.00
	20:15	2	14	1	2	3	2	2	1	215	53	80	987	0.00
	20:30	2	15	1	2	2	2	2	1	209	52	83	987	0.00
	20:45	2	16	2	3	3	2	2	1	186	51	86	987	0.00
	21:00	3	16	2	4	4	3	3	1	189	50	87	987	0.00
	21:15	3	16	3	5	4	4	4	1	209	49	90	987	0.00
	21:30	4	16	3	4	7	7	7	1	233	49	91	987	0.00
	21:45	5	18	4	5	8	7	7	1	217	49	92	987	0.00
	22:00	6	18	5	7	7	6	6	1	175	48	92	987	0.00
	22:15	8	20	5	7	8	6	6	2	170	48	93	987	0.00
	22:30	6	19	4	7	8	6	6	2	190	47	94	987	0.00
	22:45	6	19	5	7	7	6	7	2	191	47	95	987	0.00
	23:00	8	20	6	9	12	12	13	2	202	47	96	987	0.00
	23:15	7	19	5	8	10	8	8	3	207	47	94	987	0.00
	23:30	4	16	2	5	5	4	4	2	205	47	93	987	0.00
	23:45	3	16	2	4	4	3	3	2	199	47	94	987	0.00
	00:00	3	15	2	3	3	3	3	3	199	46	96	987	0.00

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

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

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m^3]	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]	Average Concentration [µg/m^3]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
10/21/2023	00:15	2	9	2	3	3	3	3	3	202	47	96	987	0.00
	00:30	1	9	2	4	3	3	3	3	195	46	96	987	0.00
	00:45	2	9	2	4	4	3	3	3	177	46	96	987	0.00
	01:00	3	10	2	4	6	6	7	2	172	46	96	987	0.00
	01:15	5	11	4	6	8	7	7	2	172	45	96	986	0.00
	01:30	4	10	2	4	5	5	5	2	175	45	96	986	0.00
	01:45	2	8	1	3	3	3	4	2	166	44	95	987	0.00
	02:00	1	7	1	3	3	3	3	2	164	43	96	986	0.00
	02:15	1	8	1	3	3	3	3	3	176	43	97	986	0.00
	02:30	2	8	1	3	3	3	3	2	171	43	97	986	0.00
	02:45	1	8	2	3	3	3	3	3	193	45	94	986	0.00
	03:00	2	8	2	3	3	3	3	3	192	46	93	986	0.00
	03:15	1	8	1	3	3	3	3	3	187	45	95	986	0.00
	03:30	2	8	2	3	3	3	3	3	195	46	94	986	0.00
	03:45	2	8	2	3	3	3	3	3	200	46	93	985	0.00
	04:00	1	8	2	3	3	3	3	3	198	46	93	985	0.00
	04:15	1	8	2	3	3	2	3	3	209	47	90	985	0.00
	04:30	1	8	2	3	3	2	2	3	204	47	90	985	0.00
	04:45	2	9	2	4	4	3	3	3	189	47	92	985	0.00
	05:00	2	8	2	3	4	3	3	3	200	47	89	985	0.00
	05:15	2	8	2	3	3	3	3	3	194	48	89	985	0.00
	05:30	2	8	2	3	3	3	3	2	196	48	88	985	0.00
	05:45	2	8	2	3	3	3	3	2	173	48	89	985	0.00
	06:00	2	8	2	3	3	3	3	2	186	47	90	985	0.00
	06:15	2	8	2	3	3	3	3	2	205	47	89	985	0.00
	06:30	2	8	2	3	3	3	3	2	219	49	86	985	0.00
	06:45	2	8	2	3	3	3	3	3	232	50	84	984	0.00
	07:00	2	9	3	4	3	3	3	3	225	51	82	984	0.00
	07:15	3	9	3	5	5	4	4	2	234	52	81	984	0.00
	07:30	3	9	2	2	3	5	5	2	219	52	82	984	0.00
	07:45	3	9	2	4	3	2	4	1	181	51	84	984	0.00
	08:00	2	8	2	3	3	3	3	1	194	51	83	983	0.00
	08:15	2	9	2	3	3	3	3	2	241	53	78	983	0.00
	08:30	2	9	2	4	3	3	3	3	231	54	75	983	0.00
	08:45	2	9	2	3	3	3	3	5	229	56	72	983	0.00
	09:00	2	9	2	3	3	3	3	4	231	57	71	983	0.00
	09:15	2	9	2	4	3	3	3	3	229	58	68	983	0.00
	09:30	1	9	2	5	3	3	3	4	234	60	65	983	0.00
	09:45	1	6	2	3	2	3	3	5	246	61	63	983	0.00
	10:00	1	6	1	4	3	3	3	6	236	62	64	983	0.00
	10:15	1	5	2	3	3	3	3	4	228	63	61	983	0.00
	10:30	1	4	1	4	3	3	3	4	222	64	60	982	0.00
	10:45	1	3	1	4	3	3	3	4	218	65	59	982	0.00
	11:00	1	3	1	3	3	4	3	3	218	66	56	983	0.00
	11:15	1	3	1	3	3	3	3	3	235	68	52	983	0.00
	11:30	1	3	1	3	3	3	3	3	220	70	50	983	0.00
	11:45	1	2	2	4	3	3	3	3	267	70	43	983	0.00
	12:00	1	2	2	3	3	3	3	4	273	71	44	983	0.00
	12:15	1	2	2	3	2	3	3	3	286	71	39	983	0.00
	12:30	1	3	2	3	3	3	3	3	228	72	39	983	0.00
	12:45	1	2	2	2	2	3	3	3	248	72	36	983	0.00
	13:00	1	2	1	2	2	3	3	3	233	73	36	983	0.00
	13:15	0	3	1	2	2	3	3	3	250	73	34	983	0.00
	13:30	0	3	1	3	2	3	2	4	261	74	32	983	0.00
	13:45	0	3	1	3	2	3	2	3	298	74	31	983	0.00
	14:00	0	3	1	2	1	2	2	3	219	74	31	983	0.00
	14:15	0	3	1	2	1	2	2	3	240	74	30	983	0.00
	14:30	0	3	1	3	1	2	2	4	247	74	29	983	0.00
	14:45	0	3	1	2	1	2	2	4	292	74	29	983	0.00
	15:00	0	3	1	2	1	2	2	4	260	74	29	984	0.00
	15:15	0	3	1	3	1	2	2	4	257	74	28	984	0.00
	15:30	0	3	1	3	2	2	2	4	228	74	28	984	0.00
	15:45	0	3	1	3	1	2	2	3	247	74	28	984	0.00
	16:00	0	3	1	2	1	2	2	3	253	74	28	984	0.00
	16:15	0	3	1	2	1	2	2	4	270	73	27	984	0.00
	16:30	0	3	1	2	1	2	2	4	280	73	28	985	0.00
	16:45	0	3	1	2	1	2	2	3	284	72	29	985	0.00
	17:00	0	3	1	2	1	2	2	3	274	72	30	985	0.00
	17:15	0	3	1	2	2	2	2	3	299	71	31	985	0.00
	17:30	0	3	1	3	2	2	2	3	270	70	32	986	0.00
	17:45	1	4	1	3	2	3	2	2	244	69	35	986	0.00
	18:00	1	4	1	2	3	3	3	2	281	67	36	986	0.00
	18:15	1	4	1	3	2	3	3	2	263	66	40	986	0.00
	18:30	1	3	1	4	2	2	2	2	250	64	39	987	0.00
	18:45	1	3	1	2	3	3	3	2	287	64	40	987	0.00
	19:00	1	3	1	3	2	2	2	2	249	64	40	987	0.00
	19:15	1	3	1	3	2	3	3	2	270	63	44	988	0.00
	19:30	1	4	1	3	2	2	2	1	252	62	45	988	0.00
	19:45	1	4	1	3	2	3	3	1	261	61	47	988	0.00
	20:00	1	4	1	3	3	3	3	2	244	61	47	988	0.00
	20:15	1	4	1	3	3	3	3	2	260	61	47	989	0.00
	20:30	2	5	1	4	3	3	3	2	280	60	48	989	0.00
	20:45	2	5	1	3	3	3	3	2	264	60	50	989	0.00
	21:00	4	7	2	5	5	4	4	1	256	60	50	989	0.00
	21:15	5	9	4	7	5	5	4	1	246	59	52	989	0.00
	21:30	2	6	2	4	3	3	3	2	252	58	53	989	0.00
	21:45	3	7	2	5	4	3	3	2	268	58	54	990	0.00
	22:00	5	9	4	7	6	6	5	2	286	58	53	990	0.00
	22:15	2	7	1	4	4	4	3	3	302	58	55	990	0.00
	22:30	2	7	1	4	3	3	3	3	322	57	56	990	0.00
	22:45	2	7	1	3	3	3	3	2	317	56	58	991	0.00
	23:00	3	8	1	3	4	4	3	2	293	56	60	991	0.00
	23:15	2	8	1	3	3	3	3	2	282	55	61	991	0.00
	23:30	1	7	1	3	2	2	2	2	292	55	63	991	0.00
	23:45	1	7	1	2	2	2	2	2	271	54	66	991	0.00
	00:00	1	7	1	2	2	3	2	2	303	53	66	991	0.00

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

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

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m^3]	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]	Average Concentration [µg/m^3]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	1	8	1	2	2	2	2	2	316	53	67	992	0.00
	00:30	1	7	0	1	1	2	1	3	310	52	68	992	0.00
	00:45	1	7	0	1	1	1	1	3	331	52	68	992	0.00
	01:00	0	7	0	1	1	1	1	3	336	52	69	992	0.00
	01:15	0	7	0	1	1	1	1	3	341	51	70	992	0.00
	01:30	0	7	0	0	1	1	1	2	309	51	71	993	0.00
	01:45	0	7	0	0	1	1	0	2	304	50	73	993	0.00
	02:00	0	7	0	0	1	1	0	1	252	49	75	993	0.00
	02:15	0	7	0	0	1	1	1	1	298	49	76	993	0.00
	02:30	0	6	0	0	1	1	0	2	319	48	76	993	0.00
	02:45	0	6	0	0	1	0	0	1	295	48	77	993	0.00
	03:00	0	6	0	0	1	1	0	2	219	48	79	993	0.00
	03:15	0	7	0	0	1	0	0	3	209	47	80	994	0.00
	03:30	0	6	1	2	1	0	0	2	216	46	82	994	0.00
	03:45	0	6	1	1	1	0	0	3	201	46	83	994	0.00
	04:00	0	6	0	0	1	0	0	3	208	46	84	994	0.00
	04:15	0	6	0	0	1	0	0	3	203	44	88	994	0.00
	04:30	0	6	0	0	1	1	1	3	203	44	89	995	0.00
	04:45	0	7	0	0	1	1	1	2	197	43	90	995	0.00
	05:00	0	7	0	0	1	1	1	2	198	42	92	995	0.00
	05:15	0	7	0	1	1	1	1	2	189	42	92	995	0.00
	05:30	0	7	0	0	1	1	1	2	193	41	94	995	0.00
	05:45	0	6	0	0	1	1	1	2	196	41	94	995	0.00
	06:00	0	7	0	0	1	1	1	2	195	41	95	995	0.00
	06:15	0	7	0	0	1	0	1	2	194	41	96	996	0.00
	06:30	1	7	0	1	1	1	1	2	193	41	96	996	0.00
	06:45	1	7	0	1	2	1	1	2	179	41	96	996	0.00
	07:00	1	8	1	1	2	2	2	2	192	41	96	996	0.00
	07:15	1	8	0	1	1	1	1	1	180	41	96	996	0.00
	07:30	1	7	0	1	1	1	1	2	138	42	94	996	0.00
	07:45	0	7	0	0	1	1	1	2	120	42	93	996	0.00
	08:00	1	7	0	0	1	1	1	2	137	43	92	997	0.00
	08:15	0	7	0	0	1	1	1	1	186	43	90	997	0.00
	08:30	0	7	0	0	1	1	1	1	139	44	88	997	0.00
	08:45	2	8	1	1	2	1	1	2	86	46	82	997	0.00
	09:00	0	5	0	0	1	1	1	2	39	47	79	998	0.00
	09:15	0	4	1	1	1	1	1	2	17	48	77	998	0.00
	09:30	0	4	0	0	1	1	1	2	26	49	74	998	0.00
	09:45	0	4	0	1	1	1	1	3	34	50	74	998	0.00
	10:00	0	3	0	1	1	1	1	2	14	50	72	998	0.00
	10:15	0	3	0	0	1	1	1	2	28	52	69	998	0.00
	10:30	0	3	0	1	1	1	1	2	34	53	69	998	0.00
	10:45	0	3	0	2	1	1	1	2	32	54	67	998	0.00
	11:00	0	3	0	1	1	1	1	3	78	54	68	998	0.00
	11:15	0	2	0	0	1	1	0	3	86	55	65	998	0.00
	11:30	0	3	0	0	1	1	1	3	129	56	63	998	0.00
	11:45	0	2	0	0	1	1	1	3	7	57	59	998	0.00
10/22/2023	12:00	0	2	0	0	1	0	0	3	111	57	61	998	0.00
	12:15	0	3	0	1	1	1	1	3	73	58	61	998	0.00
	12:30	0	2	0	0	1	1	1	3	16	59	56	998	0.00
	12:45	0	2	0	0	1	0	1	2	108	60	53	997	0.00
	13:00	0	2	0	0	0	0	0	3	99	61	54	997	0.00
	13:15	Offline	2	0	0	0	1	1	2	22	61	53	997	0.00
	13:30	Offline	2	0	0	0	0	0	3	165	62	49	997	0.00
	13:45	Offline	2	0	0	0	0	0	2	175	62	47	997	0.00
	14:00	Offline	2	0	0	0	0	0	2	21	63	52	996	0.00
	14:15	Offline	2	0	0	0	0	0	3	32	63	50	996	0.00
	14:30	Offline	1	0	0	0	0	0	3	45	63	45	996	0.00
	14:45	Offline	2	0	0	0	0	0	3	108	63	45	996	0.00
	15:00	Offline	2	0	0	0	0	0	2	59	64	43	996	0.00
	15:15	Offline	2	1	0	0	0	0	2	4	64	45	996	0.00
	15:30	Offline	2	1	0	0	0	0	3	81	64	47	996	0.00
	15:45	Offline	2	0	0	0	0	0	2	161	65	45	996	0.00
	16:00	Offline	2	0	0	0	0	0	3	53	64	45	996	0.00
	16:15	Offline	2	0	0	0	0	0	2	72	65	44	996	0.00
	16:30	Offline	2	1	0	1	1	1	2	169	64	44	996	0.00
	16:45	Offline	2	1	0	1	0	0	2	164	65	44	996	0.00
	17:00	Offline	2	1	0	1	0	0	2	110	64	47	996	0.00
	17:15	Offline	2	1	0	1	1	1	1	179	64	46	996	0.00
	17:30	Offline	2	0	0	0	1	0	1	214	63	51	996	0.00
	17:45	Offline	3	0	0	1	1	0	1	233	61	56	996	0.00
	18:00	Offline	3	0	1	1	1	1	1	232	58	61	996	0.00
	18:15	Offline	4	0	1	1	1	1	1	228	56	67	996	0.00
	18:30	Offline	6	1	1	1	2	1	1	241	54	68	996	0.00
	18:45	Offline	7	1	2	2	2	2	1	75	53	72	996	0.00
	19:00	Offline	8	1	2	3	2	2	1	82	52	74	997	0.00
	19:15	Offline	9	2	4	3	2	2	1	238	51	75	997	0.00
	19:30	Offline	10	3	6	4	2	2	1	252	51	75	997	0.00
	19:45	Offline	10	3	4	3	2	2	1	230	50	77	997	0.00
	20:00	Offline	8	1	2	2	1	1	1	209	49	76	997	0.00
	20:15	Offline	8	1	1	2	1	1	1	268	49	78	997	0.00
	20:30	Offline	7	0	1	2	1	1	1	233	49	79	997	0.00
	20:45	Offline	8	0	1	2	1	1	1	64	48	78	997	0.00
	21:00	Offline	7	0	1	2	1	1	1	100	48	80	997	0.00
	21:15	Offline	7	0	1	2	1	1	1	85	48	80	997	0.00
	21:30	Offline	7	1	3	2	2	2	2	108	48	78	997	0.00
	21:45	Offline	7	1	2	2	2	2	2	105	48	76	997	0.00
	22:00	Offline	7	1	1	2	1	1	1	110	48	77	997	0.00
	22:15	Offline	8	1	1	2	1	1	2	111	48	78	997	0.00
	22:30	Offline	11	3	4	4	3	4	1	116	48	77	997	0.00
	22:45	Offline	10	3	4	4	4	4	2	66	49	76	997	0.00
	23:00	Offline	8	2	2	3	3	3	2	67	49	76	997	0.00
	23:15	Offline	8	1	2	3	2	2	2	74	49	76	997	0.00
	23:30	Offline	8	1	2	3	2	2	2	74	49	77	997	0.00
	23:45	Offline	8	1	1	2	2	2	2	91	49	76	997	0.00
	00:00	Offline	7	1	1	2	1	1	1	77	48	78	997	0.00

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

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m^3]	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]	Average Concentration [µg/m^3]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	Offline	7	1	1	1	1	1	1	113	48	79	997	0.00
	00:30	Offline	7	1	1	1	1	1	2	136	48	79	997	0.00
	00:45	Offline	7	1	1	1	1	1	1	115	48	79	997	0.00
	01:00	Offline	15	4	5	9	5	6	2	104	48	80	997	0.00
	01:15	Offline	10	2	3	16	20	19	2	153	47	80	997	0.00
	01:30	Offline	9	2	3	5	4	3	2	172	47	81	997	0.00
	01:45	Offline	8	1	2	2	2	2	2	136	48	80	997	0.00
	02:00	Offline	8	1	2	2	1	1	2	75	48	79	997	0.00
	02:15	Offline	7	1	1	1	1	1	2	103	48	78	997	0.00
	02:30	Offline	7	1	1	1	1	1	2	88	48	78	997	0.00
	02:45	Offline	7	1	1	1	1	1	2	83	48	79	997	0.00
	03:00	Offline	7	1	1	2	1	1	2	118	48	79	997	0.00
	03:15	Offline	7	1	1	3	2	2	2	140	47	80	997	0.00
	03:30	Offline	8	1	2	2	2	2	2	151	46	82	997	0.00
	03:45	Offline	8	1	2	2	2	2	2	116	46	83	997	0.00
	04:00	Offline	8	1	2	2	2	2	2	116	45	84	997	0.00
	04:15	Offline	7	1	2	2	2	2	2	134	45	85	997	0.00
	04:30	Offline	7	1	2	2	1	1	2	159	44	86	997	0.00
	04:45	Offline	7	1	2	2	1	2	2	141	44	87	997	0.00
	05:00	Offline	7	1	2	1	1	1	2	158	44	87	997	0.00
	05:15	Offline	7	1	1	2	1	1	2	137	44	86	997	0.00
	05:30	Offline	7	1	1	2	1	2	2	130	45	85	997	0.00
	05:45	Offline	8	1	1	2	1	1	3	138	45	84	997	0.00
	06:00	Offline	7	1	1	1	1	1	2	153	45	85	998	0.00
	06:15	Offline	7	1	1	1	1	1	2	145	46	84	998	0.00
	06:30	Offline	7	1	1	1	1	1	2	139	46	84	998	0.00
	06:45	Offline	7	0	1	1	1	1	2	144	47	82	998	0.00
	07:00	Offline	7	0	1	1	1	1	3	159	47	82	998	0.00
	07:15	Offline	7	0	1	1	1	1	3	147	47	82	998	0.00
	07:30	Offline	7	1	1	1	1	1	3	151	47	82	998	0.00
	07:45	Offline	7	1	2	1	1	1	3	126	48	81	998	0.00
	08:00	Offline	7	1	2	2	1	2	3	130	48	80	998	0.00
	08:15	Offline	8	1	2	2	2	2	3	151	48	80	998	0.00
	08:30	Offline	7	1	2	2	2	2	3	147	49	79	998	0.00
	08:45	Offline	8	1	2	2	1	2	3	136	50	75	998	0.00
	09:00	Offline	7	2	3	2	2	2	3	143	52	73	998	0.00
	09:15	0	8	1	2	2	2	3	3	162	53	71	998	0.00
	09:30	4	7	1	2	2	2	2	3	158	55	68	998	0.00
	09:45	2	7	1	3	2	2	2	3	197	56	66	997	0.00
	10:00	0	6	1	2	2	2	2	3	183	58	64	998	0.00
	10:15	0	5	1	2	1	2	2	4	223	59	63	998	0.00
	10:30	0	5	1	3	2	2	2	4	224	60	60	998	0.00
	10:45	0	4	1	2	1	2	2	4	224	62	58	998	0.00
	11:00	0	4	1	1	1	2	2	4	222	63	56	997	0.00
	11:15	0	4	1	1	2	2	2	4	208	64	55	997	0.00
	11:30	0	4	1	2	1	2	2	5	217	65	54	997	0.00
	11:45	0	4	1	2	2	2	2	5	224	65	53	997	0.00
	12:00	0	4	1	2	2	2	2	5	209	67	51	997	0.00
10/23/2023	12:15	0	4	1	1	2	2	2	4	194	67	50	997	0.00
	12:30	0	3	1	2	2	2	2	4	212	69	48	996	0.00
	12:45	0	3	1	2	2	2	2	4	192	70	46	996	0.00
	13:00	0	3	1	2	2	2	3	5	215	70	46	996	0.00
	13:15	0	3	1	2	2	2	3	4	190	70	44	995	0.00
	13:30	0	3	1	2	2	2	3	4	195	71	44	995	0.00
	13:45	0	3	1	2	2	2	2	4	217	72	42	995	0.00
	14:00	0	2	1	2	1	2	2	4	222	73	41	994	0.00
	14:15	1	4	0	1	1	3	3	5	225	73	41	994	0.00
	14:30	1	5	1	2	1	1	1	5	221	73	39	994	0.00
	14:45	1	5	1	2	2	2	2	5	210	74	40	994	0.00
	15:00	1	5	1	2	2	2	2	5	207	74	40	993	0.00
	15:15	1	5	1	2	1	2	2	4	217	75	39	993	0.00
	15:30	1	5	1	2	1	2	2	4	209	75	40	993	0.00
	15:45	1	5	1	2	1	2	2	5	218	75	40	993	0.00
	16:00	1	5	1	2	1	2	2	5	222	75	39	993	0.00
	16:15	1	5	1	2	2	2	2	4	217	75	39	993	0.00
	16:30	1	5	1	2	2	2	2	4	215	75	40	993	0.00
	16:45	1	5	1	2	2	2	2	5	212	75	41	993	0.00
	17:00	1	6	1	2	2	3	2	3	219	74	42	993	0.00
	17:15	1	6	1	1	2	2	2	3	219	74	42	993	0.00
	17:30	2	6	1	2	2	2	2	3	204	73	44	993	0.00
	17:45	1	6	1	1	2	2	2	3	214	72	46	993	0.00
	18:00	1	6	1	2	2	2	2	2	208	70	46	993	0.00
	18:15	1	6	1	1	2	2	2	3	214	69	48	993	0.00
	18:30	1	6	1	1	2	2	2	2	231	69	49	993	0.00
	18:45	1	7	1	2	2	2	2	3	223	68	50	993	0.00
	19:00	1	7	1	3	2	2	2	2	157	67	51	993	0.00
	19:15	2	7	1	3	2	2	2	3	224	67	51	993	0.00
	19:30	2	7	1	2	2	2	2	2	236	66	52	993	0.00
	19:45	2	7	1	2	2	2	2	2	196	66	52	993	0.00
	20:00	1	7	1	2	2	2	2	2	186	65	53	994	0.00
	20:15	2	7	0	1	2	2	2	2	236	65	54	994	0.00
	20:30	1	7	0	2	2	2	2	2	225	64	54	994	0.00
	20:45	1	8	0	2	2	2	2	2	229	64	56	994	0.00
	21:00	1	8	1	2	2	2	2	2	236	63	57	994	0.00
	21:15	1	8	1	2	2	2	2	2	226	63	57	994	0.00
	21:30	2	9	1	2	2	2	2	2	230	62	58	994	0.00
	21:45	2	9	1	2	2	3	3	3	247	62	59	994	0.00
	22:00	2	9	1	2	2	3	3	2	241	61	61	994	0.00
	22:15	2	10	1	2	2	3	3	2	240	61	61	994	0.00
	22:30	2	10	1	2	3	3	3	2	253	61	61	994	0.00
	22:45	2	10	1	2	3	3	3	2	241	61	61	994	0.00
	23:00	2	10	1	2	3	3	3	2	212	61	61	994	0.00
	23:15	2	10	1	2	3	3	3	2	225	61	62	994	0.00
	23:30	2	10	1	2	3	3	3	2	250	61	62	994	0.00
	23:45	3	10	1	3	3	3	3	2	235	61	62	994	0.00
	00:00	2	10	1	2	3	3	3	2	217	61	63	994	0.00

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

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m^3]	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]	Average Concentration [µg/m^3]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
10/24/2023	00:15	2	9	1	3	3	3	3	2	235	60	63	995	0.00
	00:30	2	8	1	3	3	3	3	2	244	60	63	994	0.00
	00:45	2	8	2	3	3	3	3	2	250	60	64	995	0.00
	01:00	2	8	2	3	3	3	3	1	306	59	65	995	0.00
	01:15	2	7	2	3	3	3	3	2	258	59	65	995	0.00
	01:30	2	8	2	3	3	3	3	2	238	59	65	995	0.00
	01:45	1	7	2	3	3	3	3	2	223	59	65	995	0.00
	02:00	2	8	2	3	3	3	3	1	227	59	68	995	0.00
	02:15	2	8	2	3	3	3	3	1	264	58	68	995	0.00
	02:30	2	8	2	3	3	3	3	1	192	57	70	995	0.00
	02:45	2	8	1	3	3	2	3	1	227	57	71	995	0.00
	03:00	2	8	2	3	3	3	3	1	165	57	72	995	0.00
	03:15	1	8	2	3	3	3	3	1	166	57	71	995	0.00
	03:30	2	8	2	3	3	3	Offline	1	143	57	72	995	0.00
	03:45	2	8	2	3	3	3	Offline	1	178	57	72	995	0.00
	04:00	2	8	2	3	3	3	Offline	1	170	57	74	995	0.00
	04:15	2	8	2	3	3	3	Offline	1	191	56	73	995	0.00
	04:30	2	8	2	3	3	3	Offline	1	146	56	74	995	0.00
	04:45	2	8	2	3	3	3	Offline	1	184	56	73	995	0.00
	05:00	2	8	2	3	3	3	Offline	1	158	57	73	995	0.00
	05:15	2	8	2	3	3	3	Offline	1	192	58	72	995	0.00
	05:30	2	8	2	3	3	3	Offline	2	230	59	67	996	0.00
	05:45	2	8	2	4	3	3	Offline	3	235	60	66	996	0.00
	06:00	2	8	2	4	4	3	Offline	2	233	60	65	996	0.00
	06:15	2	8	2	3	4	3	Offline	3	230	60	66	996	0.00
	06:30	3	9	2	4	4	4	Offline	3	220	60	65	996	0.00
	06:45	2	8	2	4	4	4	Offline	3	229	60	66	996	0.00
	07:00	2	9	2	4	3	4	Offline	3	223	60	66	996	0.00
	07:15	3	8	2	4	3	3	2	3	229	60	66	996	0.00
	07:30	3	8	2	4	4	3	Offline	3	236	60	66	996	0.00
	07:45	3	9	2	4	4	4	Offline	2	226	60	68	996	0.00
	08:00	3	8	2	4	4	4	Offline	2	217	60	66	996	0.00
	08:15	3	9	2	4	4	4	0	2	228	61	67	997	0.00
	08:30	4	9	3	5	4	4	4	3	234	61	66	997	0.00
	08:45	2	5	3	5	4	4	4	2	236	62	65	997	0.00
	09:00	5	11	2	4	4	4	5	2	222	63	63	997	0.00
	09:15	5	10	3	6	4	3	3	3	231	65	61	997	0.00
	09:30	5	9	3	4	5	5	5	4	225	66	60	997	0.00
	09:45	4	9	3	3	5	5	5	4	229	66	60	997	0.00
	10:00	4	10	3	3	5	5	5	4	226	68	58	997	0.00
	10:15	5	10	4	4	5	5	5	4	222	69	57	997	0.00
	10:30	5	10	4	5	6	6	5	4	233	71	57	997	0.00
	10:45	5	9	4	5	5	6	6	4	229	71	56	997	0.00
	11:00	6	9	4	5	5	6	5	5	225	70	57	997	0.00
	11:15	6	10	4	5	5	6	6	4	220	70	56	997	0.00
	11:30	5	9	4	4	6	6	6	4	217	72	54	997	0.00
	11:45	5	9	4	5	6	6	6	4	222	73	53	997	0.00
	12:00	6	9	4	5	6	7	6	5	220	73	55	997	0.00
	12:15	6	9	4	5	6	7	7	4	214	71	55	997	0.00
	12:30	5	9	4	4	6	7	6	3	226	72	55	997	0.00
	12:45	6	10	5	6	7	7	7	3	206	72	55	997	0.00
	13:00	5	9	4	5	7	7	6	3	217	72	55	997	0.00
	13:15	6	9	5	5	6	6	6	3	198	73	52	996	0.00
	13:30	6	10	5	6	7	7	7	3	222	73	54	996	0.00
	13:45	6	9	5	5	6	7	7	3	215	73	53	997	0.00
	14:00	6	9	4	5	6	7	7	3	217	73	54	996	0.00
	14:15	5	9	4	5	6	6	6	3	223	74	51	996	0.00
	14:30	5	8	4	4	6	6	6	4	215	74	51	996	0.00
	14:45	5	8	4	5	6	7	6	5	230	74	52	996	0.00
	15:00	6	9	4	4	6	7	6	5	229	74	52	996	0.00
	15:15	6	9	5	6	7	7	7	4	210	74	52	996	0.00
	15:30	6	9	5	6	7	7	7	4	208	73	51	996	0.00
	15:45	6	9	4	5	6	7	6	3	217	73	53	996	0.00
	16:00	6	9	4	5	6	7	7	3	203	73	53	996	0.00
	16:15	6	9	4	5	6	7	6	3	228	73	54	996	0.00
	16:30	6	9	4	5	6	7	6	3	183	73	54	995	0.00
	16:45	6	9	4	6	6	6	6	3	150	72	54	995	0.00
	17:00	6	10	4	5	6	7	6	3	132	71	56	995	0.00
	17:15	6	10	4	5	6	6	6	2	225	71	55	995	0.00
	17:30	6	10	5	6	7	7	7	2	205	71	58	995	0.00
	17:45	6	11	5	6	7	7	7	2	159	69	62	995	0.00
	18:00	6	11	4	6	7	7	7	2	229	69	60	995	0.00
	18:15	6	11	4	5	7	7	7	3	186	69	61	995	0.00
	18:30	6	12	5	5	7	7	6	3	194	68	61	995	0.00
	18:45	6	12	4	5	7	7	6	2	180	68	61	995	0.00
	19:00	6	12	4	5	6	6	6	2	201	68	62	995	0.00
	19:15	6	13	5	5	7	7	6	2	189	68	62	995	0.00
	19:30	6	13	5	6	7	7	7	2	224	68	62	996	0.00
	19:45	7	13	5	6	7	7	7	3	202	68	63	996	0.00
	20:00	7	14	5	6	7	7	7	3	213	68	63	996	0.00
	20:15	7	14	5	6	8	8	7	3	214	68	63	995	0.00
	20:30	8	14	5	6	8	8	8	3	219	68	63	995	0.00
	20:45	8	14	6	7	8	8	8	3	209	68	63	995	0.00
	21:00	8	14	6	7	8	8	8	3	218	68	64	996	0.00
	21:15	8	14	6	7	8	8	8	3	240	67	65	996	0.00
	21:30	8	14	6	7	8	8	8	3	232	67	65	996	0.00
	21:45	7	13	6	7	8	8	8	3	232	67	66	996	0.00
	22:00	8	14	6	7	8	9	8	3	232	67	65	996	0.00
	22:15	8	13	5	7	8	8	8	3	235	67	65	996	0.00
	22:30	7	13	5	6	7	8	8	2	229	67	65	996	0.00
	22:45	6	13	5	6	7	7	7	3	240	66	65	996	0.00
	23:00	6	13	5	5	7	7	7	3	245	66	64	996	0.00
	23:15	6	12	4	5	6	7	6	3	211	66	63	995	0.00
	23:30	5	12	4	5	6	6	6	3	214	67	62	995	0.00
	23:45	5	11	4	4	6	6	6	3	201	67	62	995	0.00
	00:00	5	11	4	4	6	6	6	3	231	67	62	995	0.00

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

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
10/25/2023	00:15	3	11	4	5	5	5	5	3	213	66	61	995	0.00
	00:30	2	12	3	5	5	6	5	3	225	66	61	995	0.00
	00:45	2	12	3	5	5	5	5	4	211	66	62	995	0.00
	01:00	1	12	3	5	5	5	5	3	232	66	61	995	0.00
	01:15	1	12	3	6	5	5	5	3	214	66	61	995	0.00
	01:30	1	11	3	5	5	5	5	2	235	66	61	995	0.00
	01:45	1	11	3	5	5	6	5	3	229	67	60	995	0.00
	02:00	1	11	3	5	5	5	5	3	230	67	58	995	0.00
	02:15	1	11	3	5	5	6	5	4	240	68	57	995	0.00
	02:30	1	11	3	5	5	5	5	3	215	68	57	995	0.00
	02:45	1	11	4	5	5	6	5	4	223	67	60	995	0.00
	03:00	2	12	3	5	5	5	5	3	222	67	61	995	0.00
	03:15	2	12	4	5	5	6	6	3	235	66	61	995	0.00
	03:30	2	12	4	6	5	6	5	3	229	66	61	995	0.00
	03:45	2	12	4	6	5	6	5	3	222	66	62	995	0.00
	04:00	2	13	4	6	5	6	5	2	230	66	64	995	0.00
	04:15	2	12	4	5	5	5	5	3	226	65	66	995	0.00
	04:30	1	12	4	5	5	6	5	3	185	65	66	995	0.00
	04:45	1	11	3	5	5	5	5	3	242	65	65	995	0.00
	05:00	2	12	3	5	5	5	5	3	200	65	64	995	0.00
	05:15	1	12	3	5	5	5	5	3	206	66	63	995	0.00
	05:30	1	12	3	5	4	5	5	3	209	66	63	994	0.00
	05:45	1	12	3	5	5	5	5	4	209	66	62	994	0.00
	06:00	1	11	3	5	4	5	5	4	211	67	62	994	0.00
	06:15	1	11	3	5	5	6	5	4	219	67	68	994	0.00
	06:30	1	11	3	5	4	5	5	3	225	65	67	995	0.00
	06:45	1	11	3	5	4	5	5	4	230	66	66	995	0.00
	07:00	1	11	3	5	5	5	5	4	228	67	64	995	0.00
	07:15	1	11	3	5	4	5	5	5	227	67	63	995	0.00
	07:30	1	8	2	5	4	5	5	5	218	67	65	995	0.00
	07:45	1	11	2	3	3	5	5	4	233	66	70	995	0.00
	08:00	1	11	3	4	4	3	3	5	236	65	74	996	0.00
	08:15	2	11	3	4	4	4	5	5	233	64	82	996	0.01
	08:30	2	11	3	4	5	4	5	5	222	62	88	996	0.02
	08:45	2	11	3	4	5	5	5	6	226	61	92	996	0.05
	09:00	2	12	3	4	5	5	5	5	226	61	94	996	0.03
	09:15	1	10	3	4	5	5	5	5	218	61	93	996	0.01
	09:30	1	11	3	3	4	4	5	5	220	61	94	996	0.00
	09:45	2	10	3	4	5	4	5	5	223	62	93	996	0.01
	10:00	1	11	3	4	5	4	5	4	215	62	92	996	0.00
	10:15	1	11	3	4	5	4	5	4	215	62	90	996	0.00
	10:30	2	11	3	4	5	5	5	4	226	63	89	996	0.00
	10:45	2	11	3	4	5	5	5	4	225	63	88	996	0.00
	11:00	1	11	3	5	5	5	5	5	212	64	86	996	0.00
	11:15	2	10	3	5	5	5	5	5	219	65	84	996	0.00
	11:30	1	10	3	5	5	5	5	5	225	66	83	996	0.00
	11:45	1	10	3	5	5	5	5	6	223	67	82	996	0.00
	12:00	2	10	3	5	5	5	5	5	226	67	83	996	0.00
	12:15	2	11	3	5	5	5	5	5	222	67	84	996	0.00
	12:30	2	10	3	5	5	5	5	5	233	67	84	996	0.00
	12:45	2	10	3	5	5	5	5	5	229	67	83	996	0.00
	13:00	2	11	3	5	5	6	6	5	225	67	83	995	0.00
	13:15	2	11	3	5	6	6	6	4	229	68	83	995	0.00
	13:30	3	11	3	6	6	6	6	5	233	68	82	995	0.00
	13:45	3	12	4	6	6	6	6	5	226	68	81	995	0.00
	14:00	3	12	4	6	6	7	7	5	228	69	80	995	0.00
	14:15	3	11	4	7	7	7	7	5	224	70	79	995	0.00
	14:30	3	11	4	6	7	7	7	5	225	71	78	995	0.00
	14:45	4	12	4	6	7	7	7	5	232	71	78	995	0.00
	15:00	4	12	4	7	7	7	8	5	227	72	76	995	0.00
	15:15	4	12	4	7	7	7	7	4	218	72	76	995	0.00
	15:30	5	12	5	8	7	8	8	5	207	72	75	995	0.00
	15:45	4	12	4	7	7	8	8	4	215	72	75	995	0.00
	16:00	3	12	4	7	7	7	8	4	231	71	75	995	0.00
	16:15	4	12	4	6	7	7	7	4	228	71	76	995	0.00
	16:30	3	11	4	6	6	7	7	5	219	71	76	995	0.00
	16:45	2	11	3	6	6	7	6	5	221	70	76	995	0.00
	17:00	2	11	3	5	6	6	6	4	217	70	77	995	0.00
	17:15	2	11	3	6	6	6	7	4	228	69	78	995	0.00
	17:30	2	11	3	5	6	6	6	5	227	69	79	995	0.00
	17:45	2	10	3	5	5	6	6	4	226	69	78	996	0.00
	18:00	2	10	3	5	5	6	6	4	228	69	78	996	0.00
	18:15	2	10	3	5	5	6	6	4	223	69	78	996	0.00
	18:30	2	10	3	5	5	6	6	3	228	69	78	996	0.00
	18:45	1	10	3	5	5	6	6	3	223	68	79	996	0.00
	19:00	2	10	3	6	6	6	6	3	230	68	79	996	0.00
	19:15	3	10	3	6	5	7	7	2	237	68	78	996	0.00
	19:30	3	11	3	6	6	6	6	2	237	68	80	996	0.00
	19:45	3	11	4	7	6	6	7	1	128	67	82	996	0.00
	20:00	3	11	4	7	6	6	6	1	87	67	83	996	0.00
	20:15	4	12	4	7	6	6	6	1	31	67	83	996	0.00
	20:30	4	12	4	7	6	6	6	1	96	67	84	996	0.00
	20:45	4	12	4	7	7	6	7	1	118	67	84	996	0.00
	21:00	4	12	4	8	8	8	8	1	118	67	83	996	0.00
	21:15	5	13	5	8	8	7	8	1	103	67	81	996	0.00
	21:30	5	13	5	9	8	Offline	8	1	234	67	80	996	0.00
	21:45	6	14	6	9	9	Offline	9	2	251	67	78	996	0.00
	22:00	6	15	6	10	10	Offline	10	2	224	68	77	996	0.00
	22:15	7	15	6	10	10	Offline	11	3	224	68	76	995	0.00
	22:30	7	14	6	10	9	Offline	11	3	233	68	75	996	0.00
	22:45	5	14	6	9	9	Offline	10	3	229	68	75	996	0.00
	23:00	5	13	5	8	9	Offline	9	3	225	68	75	995	0.00
	23:15	5	13	4	7	8	Offline	9	2	235	68	74	995	0.00
	23:30	4	12	4	6	8	Offline	8	3	225	68	74	995	0.00
	23:45	4	12	4	6	7	Offline	8	3	220	67	74	995	0.00
	00:00	3	11	4	5	7	Offline	7	3	229	67	74	995	0.00

Draft

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Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	5	12	3	6	6	Offline	6	3	226	67	74	995	0.00
	00:30	4	12	3	6	5	Offline	7	3	229	67	74	995	0.00
	00:45	4	11	3	6	5	Offline	6	3	220	67	72	995	0.00
	01:00	4	11	2	5	5	Offline	6	3	221	67	71	995	0.00
	01:15	3	11	2	5	5	Offline	5	3	230	67	71	995	0.00
	01:30	3	11	2	5	5	Offline	5	3	230	67	71	995	0.00
	01:45	3	10	2	5	4	Offline	5	3	243	67	70	995	0.00
	02:00	3	10	2	5	4	Offline	5	3	234	67	70	995	0.00
	02:15	3	10	2	5	4	Offline	5	4	229	67	70	995	0.00
	02:30	3	10	2	5	4	Offline	5	4	233	67	70	995	0.00
	02:45	3	11	2	5	4	Offline	5	3	233	67	70	995	0.00
	03:00	3	10	2	5	4	Offline	5	4	224	67	69	995	0.00
	03:15	3	10	2	5	4	Offline	5	4	242	66	69	995	0.00
	03:30	3	11	2	5	4	Offline	4	4	226	66	69	995	0.00
	03:45	3	10	2	6	4	Offline	5	4	222	66	69	995	0.00
	04:00	3	10	2	5	4	Offline	4	4	213	66	69	995	0.00
	04:15	3	10	2	5	4	Offline	4	3	224	66	70	994	0.00
	04:30	3	10	2	5	4	Offline	4	3	212	65	71	995	0.00
	04:45	2	10	2	5	4	Offline	4	3	218	65	72	995	0.00
	05:00	2	10	1	5	4	Offline	4	3	233	65	72	995	0.00
	05:15	3	10	1	5	3	Offline	4	3	230	64	72	995	0.00
	05:30	2	10	2	5	4	Offline	4	3	218	64	73	995	0.00
	05:45	2	10	1	5	4	Offline	3	3	212	64	73	995	0.00
	06:00	2	10	1	5	3	Offline	3	2	240	64	73	994	0.00
	06:15	2	10	1	5	3	Offline	3	2	224	64	74	994	0.00
	06:30	2	10	1	5	3	Offline	3	2	253	64	74	994	0.00
	06:45	2	10	1	5	3	Offline	3	2	227	64	75	994	0.00
	07:00	2	10	1	5	3	Offline	3	3	249	64	75	994	0.00
	07:15	2	9	1	5	4	Offline	3	3	245	64	75	994	0.00
	07:30	1	6	1	5	3	Offline	3	3	226	64	75	994	0.00
	07:45	3	8	1	3	3	Offline	3	3	229	64	74	994	0.00
	08:00	2	8	2	4	2	0	3	3	205	64	74	994	0.00
	08:15	3	8	1	4	3	2	3	3	232	65	74	994	0.00
	08:30	3	8	1	4	3	3	3	3	213	65	73	994	0.00
	08:45	2	8	1	4	3	4	3	3	188	66	72	994	0.00
	09:00	3	8	2	4	3	4	4	4	217	66	72	994	0.00
	09:15	3	8	2	4	3	4	4	3	214	67	71	994	0.00
	09:30	4	9	2	5	4	5	5	5	234	68	70	994	0.00
	09:45	4	9	2	6	5	5	5	5	202	69	70	993	0.00
	10:00	4	9	2	6	4	6	5	5	222	70	69	993	0.00
	10:15	4	9	2	5	5	6	5	6	225	69	69	993	0.00
	10:30	3	9	2	5	4	5	5	4	217	70	68	993	0.00
	10:45	4	9	2	6	5	6	5	5	210	70	69	993	0.00
	11:00	4	9	2	6	4	6	6	4	216	70	69	993	0.00
	11:15	4	9	2	6	5	5	5	5	228	71	70	993	0.00
	11:30	4	9	2	7	4	6	5	4	217	71	69	993	0.00
	11:45	4	10	2	6	5	6	6	5	225	72	70	993	0.00
10/26/2023	12:00	5	9	2	8	5	6	5	5	226	72	72	993	0.00
	12:15	4	9	2	6	5	6	6	4	226	70	75	992	0.00
	12:30	4	9	2	7	5	6	6	5	224	71	72	993	0.00
	12:45	5	10	2	6	5	6	6	5	222	71	71	993	0.00
	13:00	5	10	2	8	5	6	6	5	217	71	72	992	0.00
	13:15	4	10	3	7	5	7	6	5	233	71	72	993	0.00
	13:30	5	10	2	7	5	6	6	5	229	71	72	992	0.00
	13:45	4	10	3	7	5	6	6	4	228	72	73	992	0.00
	14:00	4	10	2	7	5	7	6	4	222	72	75	992	0.00
	14:15	6	10	2	7	5	7	7	4	216	70	81	992	0.00
	14:30	4	10	2	7	5	6	6	4	226	69	85	992	0.00
	14:45	4	10	2	7	5	6	5	3	214	68	86	992	0.00
	15:00	4	9	2	6	5	5	5	3	221	68	86	992	0.00
	15:15	3	9	2	6	5	5	5	2	215	68	86	992	0.00
	15:30	4	9	2	6	4	5	5	2	203	68	87	992	0.00
	15:45	4	9	2	6	4	5	5	2	231	68	87	992	0.00
	16:00	3	9	2	6	4	5	5	1	191	68	89	992	0.01
	16:15	4	9	2	6	5	5	5	1	220	69	83	992	0.00
	16:30	4	9	2	6	5	5	5	1	212	70	80	992	0.00
	16:45	4	9	2	6	5	5	5	1	206	71	83	992	0.00
	17:00	4	9	2	6	4	5	5	1	62	70	81	992	0.00
	17:15	4	9	2	6	4	5	5	1	75	70	82	992	0.00
	17:30	4	9	2	6	5	5	5	1	60	70	82	992	0.00
	17:45	4	10	2	7	4	5	5	2	59	69	79	991	0.00
	18:00	4	10	2	7	5	6	5	1	24	69	82	991	0.00
	18:15	5	10	2	6	5	5	5	1	358	69	81	991	0.00
	18:30	7	11	3	8	5	6	5	1	41	69	80	991	0.00
	18:45	8	13	4	10	7	7	7	2	124	69	77	992	0.00
	19:00	9	14	6	12	8	9	9	2	221	69	75	992	0.00
	19:15	9	14	6	12	9	10	10	3	212	70	73	992	0.00
	19:30	9	14	5	12	9	10	11	2	228	70	72	992	0.00
	19:45	11	16	6	14	10	11	11	3	229	70	71	992	0.00
	20:00	14	19	9	16	13	12	12	3	214	71	70	992	0.00
	20:15	15	20	10	17	15	15	15	2	223	70	70	992	0.00
	20:30	14	19	9	17	15	16	16	5	226	71	74	992	0.00
	20:45	13	18	8	16	13	14	14	4	204	68	80	993	0.00
	21:00	13	18	8	16	13	14	14	3	212	68	78	992	0.00
	21:15	10	15	6	13	11	13	12	4	217	69	77	993	0.00
	21:30	8	13	5	11	9	10	10	4	217	69	77	993	0.00
	21:45	7	13	5	11	9	10	10	4	232	68	80	993	0.00
	22:00	8	Offline	5	11	8	9	10	2	231	67	84	993	0.00
	22:15	8	Offline	4	10	8	10	10	1	223	66	85	993	0.00
	22:30	8	Offline	4	10	9	10	10	1	202	66	86	993	0.00
	22:45	9	Offline	5	11	9	10	10	2	235	66	85	993	0.00
	23:00	10	Offline	Offline	12	9	11	11	Offline	Offline	Offline	Offline	Offline	Offline
	23:15	9	Offline	Offline	11	9	11	11	Offline	Offline	Offline	Offline	Offline	Offline
	23:30	8	Offline	Offline	10	8	10	10	Offline	Offline	Offline	Offline	Offline	Offline
	23:45	7	Offline	Offline	10	8	9	9	Offline	Offline	Offline	Offline	Offline	Offline
	00:00	7	Offline	Offline	10	8	9	9	Offline	Offline	Offline	Offline	Offline	Offline

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Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
10/27/2023	00:15	5	Offline	Offline	8	8	7	9	Offline	Offline	Offline	Offline	Offline	Offline
	00:30	5	Offline	Offline	9	7	8	8	Offline	Offline	Offline	Offline	Offline	Offline
	00:45	6	Offline	Offline	9	8	8	9	Offline	Offline	Offline	Offline	Offline	Offline
	01:00	6	Offline	Offline	9	8	8	9	Offline	Offline	Offline	Offline	Offline	Offline
	01:15	6	Offline	Offline	9	8	8	8	Offline	Offline	Offline	Offline	Offline	Offline
	01:30	6	Offline	Offline	8	8	7	8	Offline	Offline	Offline	Offline	Offline	Offline
	01:45	5	Offline	Offline	8	8	7	8	Offline	Offline	Offline	Offline	Offline	Offline
	02:00	5	Offline	Offline	8	7	8	8	Offline	Offline	Offline	Offline	Offline	Offline
	02:15	5	Offline	Offline	8	8	8	8	Offline	Offline	Offline	Offline	Offline	Offline
	02:30	5	Offline	Offline	9	7	7	8	Offline	Offline	Offline	Offline	Offline	Offline
	02:45	6	Offline	Offline	9	8	8	8	Offline	Offline	Offline	Offline	Offline	Offline
	03:00	6	Offline	Offline	9	8	8	8	Offline	Offline	Offline	Offline	Offline	Offline
	03:15	6	Offline	Offline	10	8	8	8	Offline	Offline	Offline	Offline	Offline	Offline
	03:30	Offline	Offline	Offline	10	8	9	9	Offline	Offline	Offline	Offline	Offline	Offline
	03:45	Offline	Offline	Offline	10	8	9	10	Offline	Offline	Offline	Offline	Offline	Offline
	04:00	Offline	Offline	Offline	10	8	8	9	Offline	Offline	Offline	Offline	Offline	Offline
	04:15	Offline	Offline	Offline	10	9	9	9	Offline	Offline	Offline	Offline	Offline	Offline
	04:30	Offline	Offline	Offline	9	8	9	9	Offline	Offline	Offline	Offline	Offline	Offline
	04:45	Offline	Offline	Offline	9	8	8	9	Offline	Offline	Offline	Offline	Offline	Offline
	05:00	Offline	Offline	Offline	9	8	8	9	Offline	Offline	Offline	Offline	Offline	Offline
	05:15	Offline	Offline	Offline	9	9	8	8	Offline	Offline	Offline	Offline	Offline	Offline
	05:30	Offline	Offline	Offline	9	8	8	9	Offline	Offline	Offline	Offline	Offline	Offline
	05:45	Offline	Offline	Offline	9	8	8	9	Offline	Offline	Offline	Offline	Offline	Offline
	06:00	Offline	Offline	Offline	9	8	8	9	Offline	Offline	Offline	Offline	Offline	Offline
	06:15	Offline	Offline	Offline	8	8	8	8	Offline	Offline	Offline	Offline	Offline	Offline
	06:30	Offline	Offline	Offline	9	9	8	9	Offline	Offline	Offline	Offline	Offline	Offline
	06:45	Offline	Offline	Offline	9	9	8	9	Offline	Offline	Offline	Offline	Offline	Offline
	07:00	Offline	Offline	Offline	10	9	9	9	Offline	Offline	Offline	Offline	Offline	Offline
	07:15	Offline	Offline	Offline	10	9	9	10	Offline	Offline	Offline	Offline	Offline	Offline
	07:30	Offline	Offline	Offline	10	9	9	8	Offline	Offline	Offline	Offline	Offline	Offline
	07:45	Offline	Offline	Offline	10	6	5	7	Offline	Offline	Offline	Offline	Offline	Offline
	08:00	Offline	2	Offline	6	8	9	9	Offline	Offline	Offline	Offline	Offline	Offline
	08:15	Offline	10	4	9	8	9	9	3	229	66	85	994	0.00
	08:30	3	12	0	9	8	8	8	3	234	66	85	994	0.00
	08:45	5	11	4	8	8	9	8	3	229	67	85	994	0.00
	09:00	5	11	Offline	8	8	9	9	Offline	Offline	Offline	Offline	Offline	Offline
	09:15	6	11	0	8	9	8	8	Offline	0	Offline	83	Offline	0.00
	09:30	5	12	4	8	8	8	9	4	222	69	83	994	0.00
	09:45	5	12	5	9	8	8	8	4	238	69	83	994	0.00
	10:00	5	11	4	8	7	8	8	4	232	70	82	994	0.00
	10:15	5	10	4	7	7	8	7	3	227	72	79	994	0.00
	10:30	4	10	4	7	7	7	7	5	241	71	81	994	0.00
	10:45	4	10	4	6	6	7	6	5	233	71	81	994	0.00
	11:00	3	8	3	5	5	6	6	4	243	71	81	994	0.00
	11:15	2	7	3	5	5	5	5	5	239	71	81	994	0.00
	11:30	2	7	3	4	5	5	5	5	242	71	81	994	0.00
	11:45	1	7	2	4	4	4	5	4	240	71	81	994	0.00
	12:00	1	7	2	4	4	5	4	3	228	71	80	994	0.00
	12:15	2	7	2	4	4	4	4	3	235	71	81	994	0.00
	12:30	1	7	2	4	4	4	4	2	230	71	80	994	0.00
	12:45	1	7	2	4	4	4	4	3	225	71	80	994	0.00
	13:00	1	7	2	3	4	4	4	2	217	71	80	994	0.00
	13:15	1	7	2	4	4	4	4	2	203	72	79	994	0.00
	13:30	1	7	3	4	4	4	4	3	223	72	78	994	0.00
	13:45	2	7	3	4	4	5	4	3	216	73	77	994	0.00
	14:00	2	8	3	4	4	4	4	3	224	73	75	994	0.00
	14:15	2	7	3	4	4	4	4	2	213	76	71	994	0.00
	14:30	2	7	3	4	4	5	4	3	217	75	72	994	0.00
	14:45	2	7	3	4	4	5	4	2	213	75	73	994	0.00
	15:00	2	7	3	3	4	4	4	3	214	76	71	994	0.00
	15:15	1	7	3	4	4	4	4	3	229	76	69	993	0.00
	15:30	1	6	3	4	3	4	4	2	209	78	64	993	0.00
	15:45	1	5	2	4	3	4	4	2	203	79	63	993	0.00
	16:00	1	5	2	3	3	4	4	2	212	79	61	993	0.00
	16:15	1	5	2	3	4	4	4	2	218	78	66	993	0.00
	16:30	1	6	3	4	4	4	4	1	176	77	71	993	0.00
	16:45	1	7	3	5	4	3	3	1	97	76	73	993	0.00
	17:00	1	7	3	4	4	4	3	1	28	75	76	993	0.00
	17:15	2	9	3	6	6	6	7	3	356	72	91	993	0.25
	17:30	5	13	4	7	9	9	9	6	331	68	95	994	0.60
	17:45	4	10	3	6	6	6	6	4	353	64	96	994	0.05
	18:00	1	7	2	4	4	3	3	5	314	61	96	995	0.00
	18:15	1	7	1	2	3	3	3	5	301	59	97	995	0.00
	18:30	1	7	1	3	3	3	3	3	299	58	98	995	0.00
	18:45	0	6	1	2	2	2	2	3	294	56	97	996	0.00
	19:00	0	6	1	2	2	2	2	4	313	55	98	996	0.00
	19:15	1	7	1	3	4	3	3	4	300	54	98	996	0.00
	19:30	1	8	1	3	4	4	3	4	330	53	98	997	0.00
	19:45	2	8	1	4	4	4	4	3	305	51	98	997	0.00
	20:00	1	8	1	3	4	3	3	3	289	51	98	997	0.00
	20:15	0	7	0	2	3	2	2	4	304	50	98	997	0.00
	20:30	0	6	0	1	2	2	2	3	324	50	98	998	0.00
	20:45	0	6	Offline	1	2	2	2	Offline	Offline	Offline	Offline	Offline	Offline
	21:00	0	6	Offline	1	2	1	1	Offline	Offline	Offline	Offline	Offline	Offline
	21:15	0	5	Offline	0	1	1	1	Offline	Offline	Offline	Offline	Offline	Offline
	21:30	0	5	Offline	0	1	0	0	Offline	Offline	Offline	Offline	Offline	Offline
	21:45	0	5	Offline	0	0	0	0	Offline	Offline	Offline	Offline	Offline	Offline
	22:00	0	5	Offline	0	1	0	0	Offline	Offline	Offline	Offline	Offline	Offline
	22:15	0	5	Offline	0	1	0	0	Offline	Offline	Offline	Offline	Offline	Offline
	22:30	0	5	Offline	0	1	1	1	Offline	Offline	Offline	Offline	Offline	Offline
	22:45	0	5	Offline	0	1	1	1	Offline	Offline	Offline	Offline	Offline	Offline
	23:00	0	5	Offline	0	2	1	1	Offline	Offline	Offline	Offline	Offline	Offline
	23:15	0	6	Offline	0	1	1	1	Offline	Offline	Offline	Offline	Offline	Offline
	23:30	0	6	Offline	0	2	1	1	Offline	Offline	Offline	Offline	Offline	Offline
	23:45	0	6	Offline	0	1	1	1	Offline	Offline	Offline	Offline	Offline	Offline
	00:00	0	6	Offline	1	2	1	1	Offline	Offline	Offline	Offline	Offline	Offline

Draft: Preliminary Data

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

Appendix A: Preliminary Data Record — Real-time PM_{10} Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
10/28/2023	00:15	0	4	Offline	1	1	1	1	Offline	Offline	Offline	Offline	Offline	Offline
	00:30	0	3	Offline	1	1	1	1	Offline	Offline	Offline	Offline	Offline	Offline
	00:45	0	3	Offline	2	2	1	1	Offline	Offline	Offline	Offline	Offline	Offline
	01:00	1	3	Offline	2	2	1	1	Offline	Offline	Offline	Offline	Offline	Offline
	01:15	0	3	Offline	1	1	1	1	Offline	Offline	Offline	Offline	Offline	Offline
	01:30	0	2	Offline	1	1	1	1	Offline	Offline	Offline	Offline	Offline	Offline
	01:45	0	3	Offline	1	1	1	0	Offline	Offline	Offline	Offline	Offline	Offline
	02:00	0	3	Offline	2	1	1	1	Offline	Offline	Offline	Offline	Offline	Offline
	02:15	0	3	Offline	2	1	1	1	Offline	Offline	Offline	Offline	Offline	Offline
	02:30	0	3	Offline	2	1	1	1	Offline	Offline	Offline	Offline	Offline	Offline
	02:45	0	0	Offline	2	1	1	1	Offline	Offline	Offline	Offline	Offline	Offline
	03:00	0	4	Offline	2	1	1	1	Offline	Offline	Offline	Offline	Offline	Offline
	03:15	1	4	Offline	2	1	1	1	Offline	Offline	Offline	Offline	Offline	Offline
	03:30	0	5	Offline	2	1	1	1	Offline	Offline	Offline	Offline	Offline	Offline
	03:45	1	5	Offline	2	1	1	1	Offline	Offline	Offline	Offline	Offline	Offline
	04:00	1	Offline	Offline	2	1	2	1	Offline	Offline	Offline	Offline	Offline	Offline
	04:15	0	Offline	Offline	2	1	1	1	Offline	Offline	Offline	Offline	Offline	Offline
	04:30	0	Offline	Offline	1	1	1	1	Offline	Offline	Offline	Offline	Offline	Offline
	04:45	1	Offline	Offline	2	2	1	1	Offline	Offline	Offline	Offline	Offline	Offline
	05:00	0	Offline	Offline	1	2	1	1	Offline	Offline	Offline	Offline	Offline	Offline
	05:15	0	Offline	Offline	1	1	1	1	Offline	Offline	Offline	Offline	Offline	Offline
	05:30	0	Offline	Offline	2	1	1	1	Offline	Offline	Offline	Offline	Offline	Offline
	05:45	0	Offline	Offline	1	1	1	1	Offline	Offline	Offline	Offline	Offline	Offline
	06:00	1	Offline	Offline	2	1	1	1	Offline	Offline	Offline	Offline	Offline	Offline
	06:15	1	Offline	Offline	2	2	1	1	Offline	Offline	Offline	Offline	Offline	Offline
	06:30	1	Offline	Offline	1	1	2	1	Offline	Offline	Offline	Offline	Offline	Offline
	06:45	1	Offline	Offline	2	2	1	1	Offline	Offline	Offline	Offline	Offline	Offline
	07:00	0	Offline	Offline	1	1	1	1	Offline	Offline	Offline	Offline	Offline	Offline
	07:15	0	Offline	Offline	1	1	1	1	Offline	Offline	Offline	Offline	Offline	Offline
	07:30	0	Offline	Offline	1	1	1	1	Offline	Offline	Offline	Offline	Offline	Offline
	07:45	0	7	0	1	1	1	1	Offline	0	Offline	86	Offline	0.00
	08:00	0	6	1	1	Offline	1	1	2	347	40	86	1003	0.00
	08:15	0	3	0	1	Offline	1	1	2	50	40	86	1003	0.00
	08:30	1	4	0	1	Offline	1	1	2	33	40	84	1003	0.00
	08:45	1	5	1	1	Offline	1	0	3	13	40	83	1003	0.00
	09:00	1	5	1	1	0	1	2	2	26	40	86	1003	0.00
	09:15	1	5	1	2	1	1	2	3	20	40	85	1003	0.00
	09:30	2	5	1	2	2	2	2	3	41	40	84	1003	0.00
	09:45	2	6	2	3	2	2	3	3	39	41	82	1003	0.00
	10:00	2	6	2	3	3	3	3	3	43	41	83	1003	0.00
	10:15	3	6	2	3	3	3	3	4	32	42	82	1003	0.00
	10:30	2	6	2	3	2	3	3	3	30	42	81	1003	0.00
	10:45	2	6	2	3	2	3	3	3	45	42	83	1003	0.00
	11:00	3	6	2	3	3	3	3	3	45	42	83	1003	0.00
	11:15	2	6	1	3	2	2	2	3	28	43	83	1003	0.00
	11:30	3	7	3	5	4	3	4	3	50	43	83	1003	0.00
	11:45	6	10	5	8	6	6	7	3	62	43	84	1003	0.00
	12:00	6	9	4	7	6	6	6	4	58	43	82	1003	0.00
	12:15	6	10	4	7	6	6	7	3	61	43	83	1002	0.00
	12:30	6	9	4	7	6	6	6	4	56	44	85	1002	0.00
	12:45	8	11	6	9	7	7	7	4	66	44	84	1002	0.00
	13:00	8	12	6	10	9	9	9	4	72	45	84	1002	0.00
	13:15	9	13	7	11	10	10	10	4	55	45	84	1002	0.00
	13:30	12	18	10	14	13	13	14	4	48	46	81	1001	0.00
	13:45	12	15	9	12	11	11	12	4	71	46	82	1001	0.00
	14:00	9	13	8	10	10	10	10	4	67	46	81	1001	0.00
	14:15	8	12	6	9	9	8	9	3	61	46	80	1000	0.00
	14:30	7	11	6	7	7	7	7	5	76	46	79	1000	0.00
	14:45	5	10	5	7	6	6	6	4	67	47	80	1000	0.00
	15:00	6	11	7	8	7	7	8	3	65	47	80	1000	0.00
	15:15	8	11	6	8	8	8	8	2	67	47	79	1000	0.00
	15:30	7	11	6	7	7	7	7	4	46	47	78	999	0.00
	15:45	7	12	7	8	8	8	8	3	34	47	78	999	0.00
	16:00	5	10	5	7	6	7	7	3	34	48	78	999	0.00
	16:15	5	9	4	5	5	5	5	3	52	48	79	998	0.00
	16:30	5	9	4	5	5	5	5	3	23	48	79	998	0.00
	16:45	5	9	4	6	6	5	6	2	30	48	80	998	0.00
	17:00	4	8	3	5	5	4	5	2	36	48	80	998	0.00
	17:15	4	8	3	5	4	4	5	2	33	48	80	998	0.00
	17:30	4	8	3	4	4	4	4	2	24	49	81	998	0.00
	17:45	3	8	3	5	4	4	4	2	327	49	83	998	0.00
	18:00	4	8	3	4	4	4	5	2	347	49	82	998	0.00
	18:15	4	8	3	5	4	4	4	2	247	48	89	998	0.05
	18:30	3	7	2	4	4	4	4	2	207	47	93	999	0.04
	18:45	2	6	2	3	3	3	3	2	200	47	94	1000	0.05
	19:00	2	7	2	3	3	3	3	3	34	46	95	999	0.01
	19:15	2	6	1	3	3	3	3	3	47	46	96	999	0.00
	19:30	2	6	1	3	2	3	3	4	51	45	95	998	0.01
	19:45	2	6	1	3	3	3	3	4	57	45	96	998	0.00
	20:00	2	6	1	3	3	3	3	4	56	45	96	998	0.00
	20:15	2	6	2	3	3	3	3	4	61	45	95	998	0.00
	20:30	2	6	1	3	3	3	3	4	57	46	95	998	0.00
	20:45	2	6	2	3	3	3	3	3	74	46	96	998	0.00
	21:00	2	7	1	Offline	3	3	3	3	58	46	96	998	0.00
	21:15	2	7	2	Offline	3	3	3	3	61	46	97	998	0.02
	21:30	2	6	1	Offline	2	3	3	2	27	46	97	998	0.03
	21:45	2	6	1	Offline	2	2	2	2	48	46	97	998	0.05
	22:00	1	6	1	Offline	2	2	2	3	37	46	98	998	0.02
	22:15	1	6	1	Offline	1	2	2	4	50	46	98	998	0.02
	22:30	0	5	0	Offline	1	1	1	5	55	46	98	998	0.01
	22:45	0	4	0	Offline	0	1	1	3	50	46	98	998	0.02
	23:00	0	4	0	Offline	0	Offline	1	3	40	46	98	998	0.04
	23:15	0	5	0	Offline	1	Offline	1	4	42	45	98	998	0.03
	23:30	0	5	0	Offline	0	Offline	1	4	47	45	98	998	0.04
	23:45	0	4	0	Offline	0	Offline	1	4	46	45	98	997	0.04
	00:00	0	0	0	Offline	0	Offline	1	4	46	45	98	997	0.03

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

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	0	0	0	Offline	0	Offline	0	5	21	45	98	997	0.05
	00:30	0	0	0	Offline	0	Offline	0	4	15	45	99	997	0.08
	00:45	0	0	0	Offline	0	Offline	0	4	10	45	99	997	0.03
	01:00	0	0	0	Offline	0	Offline	0	4	11	45	99	997	0.02
	01:15	0	1	0	Offline	1	Offline	0	5	26	45	99	997	0.01
	01:30	0	1	0	Offline	1	Offline	0	4	11	45	99	997	0.02
	01:45	0	1	0	Offline	1	Offline	0	22	78	45	99	997	0.01
	02:00	0	1	0	Offline	1	Offline	1	47	144	45	99	996	0.01
	02:15	1	1	0	Offline	1	Offline	1	46	145	45	99	996	0.00
	02:30	1	1	0	Offline	1	Offline	1	45	147	45	99	996	0.00
	02:45	1	1	0	Offline	1	Offline	1	26	96	45	99	996	0.00
	03:00	1	1	0	Offline	1	Offline	1	3	4	45	99	996	0.00
	03:15	1	1	0	Offline	1	Offline	1	3	22	45	99	997	0.00
	03:30	1	1	0	Offline	1	Offline	1	4	12	45	98	997	0.00
	03:45	1	1	0	Offline	1	Offline	1	4	8	45	98	997	0.00
	04:00	1	2	0	Offline	2	Offline	1	3	26	45	98	996	0.00
	04:15	1	2	1	Offline	2	Offline	2	4	23	45	98	996	0.00
	04:30	2	2	0	Offline	2	Offline	2	3	37	45	99	996	0.00
	04:45	2	2	1	Offline	2	Offline	2	3	32	45	99	996	0.00
	05:00	2	2	1	Offline	2	Offline	2	3	41	45	99	996	0.00
	05:15	2	3	1	Offline	3	Offline	3	3	29	45	99	996	0.00
	05:30	2	3	1	Offline	3	Offline	3	3	30	45	99	997	0.01
	05:45	3	3	1	Offline	3	Offline	3	4	9	45	98	997	0.00
	06:00	4	5	3	Offline	6	Offline	4	3	8	45	98	997	0.00
	06:15	4	5	2	Offline	5	Offline	4	2	24	45	99	997	0.01
	06:30	4	4	2	Offline	5	Offline	4	2	14	44	98	997	0.00
	06:45	3	4	3	Offline	5	Offline	4	3	17	44	98	997	0.01
	07:00	4	7	5	Offline	8	Offline	4	3	34	44	98	997	0.00
	07:15	4	6	5	Offline	7	Offline	4	3	38	44	98	997	0.00
	07:30	6	8	5	Offline	9	Offline	6	3	36	44	98	997	0.00
	07:45	5	6	4	0	7	3	5	2	68	44	98	997	0.00
	08:00	5	6	3	Offline	6	Offline	5	2	118	43	98	997	0.00
	08:15	5	6	4	Offline	7	Offline	5	2	30	43	97	998	0.00
	08:30	5	6	4	Offline	6	Offline	5	2	19	43	97	997	0.00
	08:45	4	5	3	Offline	6	Offline	4	3	21	43	97	997	0.01
	09:00	4	4	2	Offline	5	Offline	4	3	33	43	96	998	0.00
	09:15	3	4	2	Offline	4	3	4	3	18	43	96	998	0.00
	09:30	3	4	2	Offline	4	0	3	3	17	43	96	998	0.00
	09:45	2	3	2	Offline	4	Offline	3	3	24	43	96	998	0.00
	10:00	3	3	2	Offline	3	0	2	3	8	43	96	998	0.00
	10:15	2	3	1	0	3	Offline	2	2	42	43	97	998	0.00
	10:30	2	2	1	Offline	3	Offline	2	3	26	43	97	998	0.00
	10:45	1	2	1	Offline	2	0	1	2	36	43	97	998	0.00
	11:00	1	2	1	1	2	0	1	2	141	43	97	998	0.00
	11:15	1	2	1	Offline	2	0	2	2	13	44	96	998	0.00
	11:30	1	2	1	1	2	0	2	2	11	44	97	998	0.00
	11:45	2	2	1	2	2	2	2	3	67	44	97	998	0.01
10/29/2023	12:00	1	2	1	2	2	1	2	3	29	44	96	998	0.00
	12:15	1	2	1	2	2	1	2	3	300	44	96	998	0.00
	12:30	1	2	1	3	2	1	2	3	36	44	96	998	0.00
	12:45	1	2	1	0	2	1	2	2	212	44	97	998	0.00
	13:00	1	2	1	2	2	1	2	2	93	44	96	997	0.00
	13:15	1	1	1	2	2	1	1	2	14	44	96	997	0.00
	13:30	1	1	1	2	1	1	1	3	52	44	96	997	0.00
	13:45	1	1	1	2	2	1	1	3	34	45	94	996	0.00
	14:00	1	1	1	Offline	1	1	1	3	5	44	95	997	0.00
	14:15	1	2	1	Offline	2	Offline	1	3	283	44	95	997	0.01
	14:30	2	2	1	Offline	2	0	2	2	19	44	96	997	0.01
	14:45	2	3	1	2	3	2	2	3	7	44	96	996	0.01
	15:00	2	2	1	Offline	2	Offline	2	3	220	44	96	996	0.01
	15:15	2	2	1	Offline	2	Offline	2	2	322	44	96	996	0.00
	15:30	2	2	1	Offline	3	Offline	2	3	18	44	96	996	0.00
	15:45	2	2	1	Offline	3	1	2	3	245	44	96	997	0.01
	16:00	2	3	2	Offline	3	Offline	2	3	17	43	95	996	0.00
	16:15	2	3	2	Offline	3	Offline	3	3	322	43	95	996	0.00
	16:30	3	3	2	Offline	3	Offline	3	3	311	43	96	997	0.00
	16:45	3	3	2	Offline	3	Offline	3	2	321	42	96	997	0.05
	17:00	3	4	2	2	4	Offline	3	3	254	42	98	997	0.03
	17:15	2	3	1	Offline	3	Offline	3	3	285	42	98	998	0.06
	17:30	2	3	1	Offline	3	Offline	3	3	289	42	98	998	0.04
	17:45	3	3	2	Offline	3	Offline	3	3	308	41	98	997	0.02
	18:00	3	3	2	Offline	3	Offline	3	3	232	41	98	998	0.03
	18:15	3	3	2	Offline	3	Offline	3	4	352	41	98	997	0.02
	18:30	3	3	2	Offline	3	Offline	3	3	14	41	98	997	0.01
	18:45	3	3	2	Offline	3	Offline	3	3	338	40	98	997	0.01
	19:00	3	3	2	Offline	3	Offline	3	3	20	40	98	998	0.02
	19:15	3	3	2	Offline	3	Offline	3	3	230	40	98	998	0.01
	19:30	3	3	2	Offline	3	Offline	3	3	175	40	98	998	0.00
	19:45	3	4	2	Offline	4	Offline	3	3	7	40	98	998	0.00
	20:00	3	4	2	Offline	4	Offline	4	3	46	40	98	998	0.01
	20:15	3	4	2	Offline	4	Offline	3	3	253	40	98	999	0.01
	20:30	3	3	2	Offline	3	Offline	3	4	360	40	98	998	0.00
	20:45	3	4	2	Offline	3	Offline	3	3	297	39	98	998	0.01
	21:00	3	4	2	Offline	3	Offline	3	3	272	39	98	999	0.00
	21:15	3	4	2	Offline	4	Offline	3	3	273	39	98	998	0.01
	21:30	3	4	2	Offline	3	Offline	3	3	257	39	98	999	0.00
	21:45	3	3	2	Offline	3	Offline	3	3	299	39	98	999	0.01
	22:00	3	3	1	Offline	3	Offline	3	3	205	39	98	999	0.00
	22:15	2	3	1	Offline	3	Offline	3	3	290	39	97	999	0.00
	22:30	3	3	2	Offline	3	Offline	3	3	309	39	97	999	0.00
	22:45	4	4	2	Offline	4	Offline	4	3	277	39	97	999	0.00
	23:00	4	5	3	Offline	5	Offline	5	3	245	38	97	999	0.00
	23:15	5	6	3	Offline	6	Offline	5	4	315	38	96	999	0.00
	23:30	5	6	3	Offline	6	Offline	6	4	296	38	96	999	0.00
	23:45	5	6	4	Offline	6	Offline	5	3	279	38	95	999	0.00
	00:00	5	6	4	Offline	6	Offline	6	4	301	38	94	999	0.00

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Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
10/30/2023	00:15	5	6	4	Offline	6	Offline	6	3	285	38	94	999	0.00
	00:30	5	6	5	Offline	6	Offline	6	3	293	38	93	999	0.00
	00:45	5	7	4	Offline	6	Offline	7	3	292	38	92	999	0.00
	01:00	6	7	5	Offline	7	Offline	7	3	247	38	92	999	0.00
	01:15	6	7	5	Offline	8	Offline	8	3	262	38	92	999	0.00
	01:30	6	7	5	Offline	8	Offline	7	3	274	37	90	1000	0.00
	01:45	6	7	5	Offline	7	Offline	7	3	289	37	89	1000	0.00
	02:00	6	7	5	Offline	7	Offline	7	3	296	37	89	1000	0.00
	02:15	6	7	5	Offline	8	Offline	7	3	304	37	87	1000	0.00
	02:30	6	7	5	Offline	8	Offline	7	4	302	37	87	1000	0.00
	02:45	6	7	5	Offline	7	Offline	7	3	313	37	86	1000	0.00
	03:00	7	7	6	Offline	8	Offline	7	3	288	37	85	1000	0.00
	03:15	6	7	6	Offline	8	Offline	8	3	297	37	85	1000	0.00
	03:30	6	8	6	Offline	8	Offline	8	3	303	37	83	1000	0.00
	03:45	7	7	5	Offline	8	Offline	7	3	279	37	80	1000	0.00
	04:00	6	6	5	Offline	7	Offline	6	3	271	36	80	1000	0.00
	04:15	5	6	5	Offline	7	Offline	6	3	295	36	79	1000	0.00
	04:30	5	6	5	Offline	7	Offline	6	3	292	36	80	1000	0.00
	04:45	6	6	5	Offline	7	Offline	7	3	296	36	80	1000	0.00
	05:00	6	7	5	Offline	7	Offline	7	3	283	36	81	1000	0.00
	05:15	5	7	5	Offline	7	Offline	7	3	283	36	82	1000	0.00
	05:30	5	7	5	Offline	7	Offline	6	3	277	35	80	1001	0.00
	05:45	5	6	4	Offline	6	Offline	6	3	283	34	82	1001	0.00
	06:00	5	6	4	Offline	6	Offline	5	2	267	33	83	1001	0.00
	06:15	4	5	4	Offline	6	Offline	5	2	272	33	84	1001	0.00
	06:30	4	5	4	Offline	6	Offline	5	3	263	32	83	1001	0.00
	06:45	4	5	4	Offline	5	Offline	5	3	268	32	84	1001	0.00
	07:00	4	5	3	Offline	5	Offline	5	2	234	32	85	1001	0.00
	07:15	3	4	3	Offline	5	Offline	4	2	250	32	85	1002	0.00
	07:30	3	4	3	Offline	5	Offline	4	2	271	31	85	1002	0.00
	07:45	3	4	3	Offline	4	Offline	4	2	278	31	85	1002	0.00
	08:00	3	4	3	Offline	4	0	4	2	267	31	84	1002	0.00
	08:15	3	4	3	Offline	4	Offline	4	2	274	32	83	1002	0.00
	08:30	2	3	3	Offline	4	Offline	3	2	261	32	80	1002	0.00
	08:45	2	4	3	Offline	3	Offline	3	2	259	34	77	1003	0.00
	09:00	2	3	3	2	3	0	3	3	283	35	75	1003	0.00
	09:15	2	3	3	3	3	2	3	3	266	36	72	1003	0.00
	09:30	2	3	2	3	1	0	3	3	294	36	72	1003	0.00
	09:45	2	3	2	3	3	2	3	3	309	37	70	1003	0.00
	10:00	2	2	2	2	3	2	3	3	314	37	69	1003	0.00
	10:15	2	2	2	2	2	3	3	3	287	37	67	1003	0.00
	10:30	2	2	2	3	2	3	3	3	289	38	67	1003	0.00
	10:45	1	2	2	2	2	3	2	3	283	39	67	1003	0.00
	11:00	1	2	1	2	2	2	2	3	327	40	61	1003	0.00
	11:15	1	2	2	2	2	2	2	4	359	41	59	1003	0.00
	11:30	1	2	1	3	2	2	2	3	5	42	57	1003	0.00
	11:45	0	1	1	2	2	2	2	3	28	41	56	1003	0.00
	12:00	0	1	1	2	1	1	1	4	18	42	46	1003	0.00
	12:15	0	1	1	2	1	1	1	4	30	42	52	1003	0.00
	12:30	0	1	1	1	1	1	1	3	308	43	52	1003	0.00
	12:45	0	1	1	2	1	1	1	4	337	43	46	1003	0.00
	13:00	1	1	1	2	1	1	2	3	22	42	49	1003	0.00
	13:15	0	1	1	2	2	1	2	3	356	42	48	1003	0.00
	13:30	0	1	1	2	2	2	2	3	6	43	49	1003	0.00
	13:45	0	1	1	2	1	1	2	3	330	44	47	1003	0.00
	14:00	0	1	1	2	1	2	2	4	7	43	47	1002	0.00
	14:15	0	1	1	2	1	2	2	3	12	42	50	1002	0.00
	14:30	1	2	1	3	2	2	2	3	335	42	52	1002	0.00
	14:45	1	2	1	3	2	2	2	3	325	42	52	1002	0.00
	15:00	1	2	2	2	2	2	2	3	346	43	50	1002	0.00
	15:15	1	2	2	2	2	2	2	3	214	43	51	1002	0.00
	15:30	1	2	2	4	2	2	2	4	251	44	53	1002	0.00
	15:45	1	2	2	5	2	2	3	3	178	43	52	1002	0.00
	16:00	2	2	2	3	2	3	3	2	235	41	52	1002	0.00
	16:15	2	2	2	3	2	3	3	2	215	41	54	1002	0.00
	16:30	2	2	2	3	2	3	3	2	160	42	54	1002	0.00
	16:45	2	2	2	3	2	3	3	2	185	41	56	1002	0.00
	17:00	2	2	2	3	3	3	3	3	195	41	56	1002	0.00
	17:15	2	2	2	3	3	3	3	3	195	41	57	1002	0.00
	17:30	2	3	2	3	3	3	3	3	210	40	59	1002	0.00
	17:45	2	3	2	4	3	3	3	2	213	39	61	1002	0.00
	18:00	2	3	3	3	3	3	3	2	218	38	65	1002	0.00
	18:15	3	3	3	4	3	2	3	2	207	37	67	1002	0.00
	18:30	4	4	3	4	3	2	3	2	218	37	67	1002	0.00
	18:45	3	4	3	4	4	3	4	2	212	36	70	1002	0.00
	19:00	3	4	3	4	4	3	4	2	222	35	70	1002	0.00
	19:15	3	4	3	4	4	3	3	2	228	34	71	1002	0.00
	19:30	4	4	3	4	4	3	3	2	219	34	74	1002	0.00
	19:45	3	4	3	4	4	3	3	2	220	33	74	1002	0.00
	20:00	4	4	3	4	4	3	4	2	221	33	78	1003	0.00
	20:15	3	4	3	4	4	3	4	2	221	32	79	1003	0.00
	20:30	3	4	3	4	4	4	4	2	224	32	83	1003	0.00
	20:45	4	5	3	5	5	5	5	2	231	31	83	1003	0.00
	21:00	5	5	3	5	5	4	5	1	234	30	86	1003	0.00
	21:15	3	4	3	4	4	3	4	1	227	30	87	1002	0.00
	21:30	3	4	3	5	4	3	4	2	216	30	86	1002	0.00
	21:45	4	5	3	5	4	4	4	1	217	30	82	1002	0.00
	22:00	3	5	3	5	5	4	5	2	223	30	84	1002	0.00
	22:15	4	5	3	5	5	4	5	2	216	30	86	1002	0.00
	22:30	3	5	3	5	5	4	5	2	225	29	87	1002	0.00
	22:45	4	5	4	6	5	4	5	2	246	29	88	1002	0.00
	23:00	4	5	3	6	5	4	5	1	253	28	89	1002	0.00
	23:15	4	5	3	5	5	4	5	1	272	27	90	1002	0.00
	23:30	3	5	3	5	5	4	5	1	237	27	93	1002	0.00
	23:45	4	5	3	6	4	4	5	1	263	27	93	1002	0.00
	00:00	5	5	4	6	5	4	5	1	273	26	94	1002	0.00

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

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
10/31/2023	00:15	3	5	3	5	5	5	5	1	270	26	94	1002	0.00
	00:30	4	5	3	4	5	4	5	1	264	26	95	1001	0.00
	00:45	3	5	3	4	4	4	5	1	259	26	96	1001	0.00
	01:00	3	5	3	4	4	4	5	1	277	26	96	1001	0.00
	01:15	3	5	3	4	4	4	5	1	278	26	96	1001	0.00
	01:30	4	5	3	5	5	Offline	5	1	281	26	96	1001	0.00
	01:45	5	6	3	5	5	Offline	5	1	275	26	96	1001	0.00
	02:00	3	6	3	5	5	Offline	6	1	277	25	97	1001	0.00
	02:15	4	6	3	5	5	Offline	6	1	261	26	97	1001	0.00
	02:30	4	5	3	5	5	Offline	5	1	270	25	97	1001	0.00
	02:45	4	5	3	5	5	Offline	5	1	265	25	97	1001	0.00
	03:00	3	5	3	4	4	Offline	5	1	216	25	97	1000	0.00
	03:15	3	5	3	4	4	Offline	5	1	213	26	97	1000	0.00
	03:30	2	5	3	4	5	Offline	5	1	206	26	96	1000	0.00
	03:45	3	5	3	5	5	Offline	5	1	192	25	96	1000	0.00
	04:00	3	5	3	4	5	Offline	5	1	262	25	96	1000	0.00
	04:15	2	5	3	4	4	Offline	5	1	266	26	95	1000	0.00
	04:30	3	5	3	4	4	Offline	5	1	260	26	95	1000	0.00
	04:45	3	5	3	3	4	Offline	4	2	251	27	92	1000	0.00
	05:00	3	4	3	4	4	Offline	4	3	242	27	91	1000	0.00
	05:15	2	4	3	4	4	Offline	4	3	252	27	89	999	0.00
	05:30	2	4	3	3	4	Offline	4	3	247	28	88	999	0.00
	05:45	3	4	3	3	4	Offline	4	4	249	28	88	999	0.00
	06:00	2	4	3	3	4	Offline	4	3	254	28	87	999	0.00
	06:15	2	4	3	3	4	Offline	4	3	241	28	89	1000	0.00
	06:30	2	4	3	3	4	Offline	4	2	250	28	89	999	0.00
	06:45	3	4	3	3	4	Offline	4	3	244	28	89	999	0.00
	07:00	2	4	3	3	4	Offline	4	3	241	28	89	999	0.00
	07:15	2	4	3	3	4	Offline	4	3	233	28	89	999	0.00
	07:30	3	5	3	4	4	Offline	4	3	229	28	89	999	0.00
	07:45	3	3	3	4	4	Offline	4	2	242	28	89	999	0.00
	08:00	3	5	3	4	2	Offline	5	3	236	28	87	999	0.00
	08:15	3	5	3	3	4	Offline	5	4	240	29	85	999	0.00
	08:30	3	4	3	3	4	0	4	4	229	31	80	999	0.00
	08:45	2	4	3	3	4	Offline	4	4	225	32	77	999	0.00
	09:00	3	5	3	3	4	Offline	5	3	217	33	74	1000	0.00
	09:15	7	9	7	9	9	Offline	8	3	220	34	71	1000	0.00
	09:30	5	6	4	4	6	0	6	3	247	35	69	1000	0.00
	09:45	3	4	3	3	4	3	4	3	241	34	68	1000	0.00
	10:00	2	4	3	4	4	1	4	3	225	36	65	1000	0.00
	10:15	2	4	2	3	4	3	4	3	294	37	60	1000	0.00
	10:30	2	3	2	2	3	3	4	3	226	38	60	1000	0.00
	10:45	2	3	2	2	3	4	4	3	234	37	59	1000	0.00
	11:00	2	3	2	2	3	4	4	4	234	38	59	1001	0.00
	11:15	2	3	2	2	3	4	4	3	227	38	57	1001	0.00
	11:30	2	3	2	2	3	4	4	3	221	38	58	1001	0.00
	11:45	2	3	2	2	3	3	4	4	219	38	57	1001	0.00
	12:00	2	3	2	2	3	3	3	3	233	37	56	1001	0.00
	12:15	1	3	2	2	3	3	3	4	224	37	57	1001	0.00
	12:30	1	2	1	2	2	2	3	3	206	38	61	1001	0.00
	12:45	1	2	1	1	2	2	2	4	205	38	58	1001	0.00
	13:00	0	2	1	1	2	2	2	4	230	37	58	1001	0.00
	13:15	0	1	1	1	2	2	2	4	219	38	53	1001	0.00
	13:30	0	1	1	1	1	1	2	3	201	39	50	1001	0.00
	13:45	0	1	1	0	1	2	2	3	206	41	52	1001	0.00
	14:00	0	1	1	0	2	2	2	3	224	39	54	1001	0.00
	14:15	0	2	1	0	2	2	2	3	219	39	54	1001	0.00
	14:30	0	1	1	0	1	1	2	4	214	39	53	1001	0.00
	14:45	0	1	0	0	1	1	2	3	211	38	55	1001	0.00
	15:00	0	1	0	0	1	1	2	4	219	39	53	1001	0.00
	15:15	0	1	0	0	1	1	2	4	206	40	51	1001	0.00
	15:30	0	1	0	0	1	1	2	4	251	39	53	1001	0.00
	15:45	0	1	1	1	2	2	2	4	212	39	53	1002	0.00
	16:00	0	2	1	1	2	2	2	4	213	39	52	1002	0.00
	16:15	0	1	1	1	1	1	2	4	230	38	52	1002	0.00
	16:30	0	1	0	1	1	1	1	4	217	38	51	1002	0.00
	16:45	0	1	0	0	1	1	2	4	225	37	53	1002	0.00
	17:00	0	2	1	1	1	1	2	4	220	37	53	1003	0.00
	17:15	0	2	1	0	2	2	2	4	221	36	53	1003	0.00
	17:30	0	2	1	1	2	2	2	4	266	36	58	1003	0.00
	17:45	0	2	1	1	2	2	2	3	255	35	59	1003	0.00
	18:00	0	2	1	1	2	2	2	3	228	35	58	1003	0.00
	18:15	1	2	1	2	2	2	2	3	219	35	61	1003	0.00
	18:30	1	2	1	2	2	2	2	3	233	35	61	1004	0.00
	18:45	1	2	1	2	2	2	2	3	224	35	62	1004	0.00
	19:00	1	2	1	2	2	2	2	3	224	35	63	1004	0.00
	19:15	1	2	1	2	2	2	2	4	223	34	65	1004	0.00
	19:30	1	2	1	2	2	2	2	3	227	34	64	1004	0.00
	19:45	2	3	2	3	3	3	4	3	212	34	66	1004	0.00
	20:00	1	3	1	2	3	3	3	3	229	33	67	1004	0.00
	20:15	1	2	1	2	2	2	3	2	216	33	67	1004	0.00
	20:30	1	2	1	1	2	2	2	3	225	33	69	1004	0.00
	20:45	0	2	1	2	2	2	2	3	216	33	68	1005	0.00
	21:00	1	2	1	2	2	2	2	3	219	33	69	1005	0.00
	21:15	0	2	1	1	2	2	2	2	203	33	71	1005	0.00
	21:30	1	2	1	1	2	2	2	2	219	33	72	1005	0.00
	21:45	1	2	1	1	2	2	2	3	226	32	72	1005	0.00
	22:00	1	2	1	1	2	2	2	2	227	32	74	1005	0.00
	22:15	1	3	1	2	3	2	3	2	225	32	73	1005	0.00
	22:30	1	3	1	2	2	2	3	2	221	32	73	1005	0.00
	22:45	0	2	1	1	2	2	2	2	232	32	73	1005	0.00
	23:00	1	2	1	1	2	2	3	3	219	32	74	1006	0.00
	23:15	1	2	1	1	2	2	2	2	217	32	76	1006	0.00
	23:30	1	2	1	1	2	2	2	2	230	32	77	1006	0.00
	23:45	1	2	1	1	2	2	3	2	237	31	77	1006	0.00
	00:00	1	2	1	1	2	2	2	2	237	31	79	1006	0.00

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Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
11/1/2023	00:15	0	2	1	2	2	2	2	2	235	31	80	1006	0.00
	00:30	0	2	1	2	2	2	2	2	235	30	81	1006	0.00
	00:45	0	2	1	2	2	2	2	2	239	30	82	1006	0.00
	01:00	0	2	1	2	2	2	2	1	249	29	83	1006	0.00
	01:15	0	2	1	2	2	2	2	2	236	29	86	1006	0.00
	01:30	0	3	1	2	3	2	2	2	238	29	86	1006	0.00
	01:45	0	2	1	2	2	2	2	1	245	28	87	1006	0.00
	02:00	0	2	1	2	2	2	4	2	234	28	89	1006	0.00
	02:15	0	2	1	2	2	2	3	2	230	28	89	1006	0.00
	02:30	0	2	1	2	2	2	3	2	245	28	90	1006	0.00
	02:45	0	3	1	3	2	2	2	1	256	27	91	1006	0.00
	03:00	0	3	2	3	2	2	2	1	268	26	92	1006	0.00
	03:15	0	2	1	2	2	2	2	2	258	26	93	1006	0.00
	03:30	0	2	1	3	2	2	2	1	267	26	94	1006	0.00
	03:45	0	2	1	2	2	2	2	2	258	26	93	1006	0.00
	04:00	0	2	1	2	2	2	2	2	254	26	93	1006	0.00
	04:15	0	2	1	2	2	2	2	2	263	26	92	1006	0.00
	04:30	0	2	1	2	2	2	3	2	256	26	93	1006	0.00
	04:45	0	4	1	4	3	3	3	2	258	26	92	1006	0.00
	05:00	0	3	1	3	3	2	2	2	267	26	93	1006	0.00
	05:15	0	3	1	3	2	2	3	2	263	25	93	1006	0.00
	05:30	0	3	1	3	3	2	2	2	270	25	93	1007	0.00
	05:45	0	3	1	3	3	2	2	2	255	25	94	1007	0.00
	06:00	0	3	2	4	3	2	3	2	264	25	93	1007	0.00
	06:15	0	3	2	4	3	3	2	1	270	24	95	1007	0.00
	06:30	0	4	2	4	3	3	3	2	259	25	95	1007	0.00
	06:45	0	3	1	3	3	3	3	1	253	26	93	1007	0.00
	07:00	0	3	1	3	2	2	3	1	251	26	93	1007	0.00
	07:15	0	3	1	3	3	2	3	1	262	25	93	1007	0.00
	07:30	0	3	1	3	3	2	3	2	256	25	93	1007	0.00
	07:45	0	3	2	4	3	2	3	1	281	25	94	1007	0.00
	08:00	0	3	1	3	3	3	3	2	257	25	94	1007	0.00
	08:15	0	3	1	3	3	3	2	2	249	26	92	1008	0.00
	08:30	0	3	2	3	3	3	3	2	241	27	89	1008	0.00
	08:45	0	3	2	3	3	3	3	3	237	29	86	1008	0.00
	09:00	0	4	2	3	3	3	2	2	232	30	83	1008	0.00
	09:15	0	3	2	3	3	3	3	3	226	32	79	1009	0.00
	09:30	0	4	3	3	3	3	3	2	223	33	75	1009	0.00
	09:45	0	4	2	4	3	3	3	3	216	34	75	1009	0.00
	10:00	0	4	2	4	3	3	3	3	217	34	73	1009	0.00
	10:15	0	3	2	4	3	4	3	2	221	36	68	1009	0.00
	10:30	0	3	2	4	4	4	4	2	217	38	70	1009	0.00
	10:45	0	4	2	4	4	4	4	2	199	39	61	1009	0.00
	11:00	3	7	5	8	7	6	7	2	208	42	63	1009	0.00
	11:15	2	6	4	6	6	7	6	2	188	43	57	1009	0.00
	11:30	1	4	3	4	5	5	5	2	200	42	60	1009	0.00
	11:45	1	4	3	5	6	4	4	3	212	42	59	1009	0.00
	12:00	7	9	8	13	14	11	12	4	232	41	60	1009	0.00
	12:15	9	11	10	15	16	15	15	4	211	41	57	1008	0.00
	12:30	5	8	7	12	12	11	11	4	212	42	55	1008	0.00
	12:45	1	4	3	7	5	6	5	3	210	43	55	1008	0.00
	13:00	0	3	2	3	3	3	4	4	220	44	49	1008	0.00
	13:15	0	3	2	3	3	3	3	4	215	43	49	1007	0.00
	13:30	0	3	2	4	3	3	3	5	219	43	51	1007	0.00
	13:45	0	3	2	4	3	3	4	4	198	44	52	1007	0.00
	14:00	0	3	2	3	3	3	3	5	203	44	50	1006	0.00
	14:15	0	3	2	3	3	3	3	5	217	44	49	1006	0.00
	14:30	0	2	2	3	2	3	3	4	201	44	47	1006	0.00
	14:45	0	2	2	3	3	3	3	4	211	44	48	1006	0.00
	15:00	0	3	2	3	3	3	3	5	194	45	47	1005	0.00
	15:15	0	3	2	3	3	3	4	4	201	45	47	1005	0.00
	15:30	0	3	2	3	3	3	3	3	202	45	45	1005	0.00
	15:45	0	3	2	3	3	3	3	4	213	46	48	1005	0.00
	16:00	0	3	2	3	3	3	3	4	220	45	46	1005	0.00
	16:15	0	3	2	4	3	3	3	4	202	45	46	1005	0.00
	16:30	0	3	2	5	0	2	0	4	207	45	45	1005	0.00
	16:45	0	3	2	4	2	3	2	5	216	45	45	1004	0.00
	17:00	0	3	2	3	3	4	3	4	211	45	47	1004	0.00
	17:15	0	3	2	3	3	4	4	4	203	44	49	1004	0.00
	17:30	0	4	3	5	4	4	4	4	214	43	51	1004	0.00
	17:45	0	4	3	4	4	3	4	3	206	42	52	1004	0.00
	18:00	0	4	3	6	4	4	3	3	205	42	55	1004	0.00
	18:15	1	4	3	5	5	4	4	2	198	40	56	1004	0.00
	18:30	1	4	3	5	4	3	4	2	193	39	62	1004	0.00
	18:45	1	4	3	5	4	3	3	2	196	38	62	1004	0.00
	19:00	0	4	3	4	4	3	3	2	196	38	64	1003	0.00
	19:15	1	5	3	4	4	4	3	2	205	37	63	1003	0.00
	19:30	1	5	4	5	4	5	4	2	202	37	66	1003	0.00
	19:45	2	6	4	5	5	4	5	2	201	36	64	1003	0.00
	20:00	2	6	4	6	6	5	5	2	208	36	66	1003	0.00
	20:15	3	6	5	7	6	5	5	2	208	36	67	1003	0.00
	20:30	3	6	5	6	7	6	5	2	213	35	70	1003	0.00
	20:45	4	7	5	7	7	6	6	2	202	35	70	1003	0.00
	21:00	3	8	5	7	7	6	6	2	207	34	72	1003	0.00
	21:15	4	7	5	7	7	6	6	2	212	34	74	1003	0.00
	21:30	3	7	5	7	7	6	6	2	209	34	73	1003	0.00
	21:45	3	7	5	7	7	6	6	1	187	34	75	1003	0.00
	22:00	2	7	5	6	6	6	6	1	177	33	76	1003	0.00
	22:15	2	6	4	6	6	5	6	1	178	33	76	1003	0.00
	22:30	2	6	4	5	6	5	6	1	179	33	74	1003	0.00
	22:45	2	6	4	6	5	5	5	2	219	34	73	1003	0.00
	23:00	2	6	4	6	6	5	5	2	226	34	68	1003	0.00
	23:15	2	6	4	6	6	5	5	2	208	35	69	1003	0.00
	23:30	2	6	4	6	6	5	5	2	206	34	70	1003	0.00
	23:45	1	6	4	5	6	5	5	2	220	35	68	1003	0.00
	00:00	2	5	4	5	5	4	5	3	225	35	70	1003	0.00

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Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
11/2/2023	00:15	3	5	4	6	5	4	4	3	218	36	67	1003	0.00
	00:30	5	5	4	6	5	4	5	4	212	36	67	1003	0.00
	00:45	4	5	3	6	5	4	5	3	214	36	70	1003	0.00
	01:00	4	5	3	5	4	4	4	3	220	35	71	1003	0.00
	01:15	4	5	3	5	4	4	5	3	210	35	72	1003	0.00
	01:30	3	5	3	5	4	4	4	3	214	35	73	1003	0.00
	01:45	4	5	3	5	4	4	4	3	218	34	73	1003	0.00
	02:00	3	5	3	5	4	4	4	3	219	34	74	1003	0.00
	02:15	3	4	3	5	4	4	4	3	217	34	74	1003	0.00
	02:30	3	4	3	5	4	3	4	3	226	34	75	1003	0.00
	02:45	3	4	3	4	4	3	4	3	216	34	76	1003	0.00
	03:00	3	5	3	5	4	3	4	3	213	34	77	1003	0.00
	03:15	3	4	3	5	4	4	4	3	220	34	78	1003	0.00
	03:30	3	5	3	5	4	4	4	3	217	33	79	1003	0.00
	03:45	3	4	3	5	4	3	4	3	220	33	80	1003	0.00
	04:00	3	4	3	5	4	4	4	3	209	33	81	1003	0.00
	04:15	3	4	3	5	4	4	4	2	213	33	81	1003	0.00
	04:30	3	5	3	5	4	4	4	3	214	33	81	1003	0.00
	04:45	3	4	3	5	4	4	4	3	214	33	80	1003	0.00
	05:00	3	4	3	5	4	4	4	3	209	33	81	1003	0.00
	05:15	3	4	3	5	4	4	4	4	216	33	81	1003	0.00
	05:30	3	4	3	5	4	4	4	2	207	33	82	1003	0.00
	05:45	3	4	3	5	4	4	4	3	219	32	82	1003	0.00
	06:00	3	4	3	4	4	4	4	4	224	32	83	1003	0.00
	06:15	3	4	3	4	4	3	4	3	224	32	83	1003	0.00
	06:30	3	4	3	4	4	4	4	3	232	32	83	1003	0.00
	06:45	3	4	3	4	4	3	4	4	227	32	83	1003	0.00
	07:00	3	4	3	4	4	4	4	4	225	32	82	1003	0.00
	07:15	3	4	3	5	4	3	4	3	227	32	82	1003	0.00
	07:30	3	4	3	4	4	3	4	3	226	32	83	1003	0.00
	07:45	3	4	3	4	4	3	4	4	229	32	82	1003	0.00
	08:00	3	3	3	5	4	3	4	3	221	32	81	1003	0.00
	08:15	3	4	2	5	4	3	4	5	223	33	79	1004	0.00
	08:30	3	4	3	5	2	1	4	4	219	34	77	1004	0.00
	08:45	3	5	3	5	4	4	4	4	216	35	75	1004	0.00
	09:00	3	5	3	5	4	4	2	5	218	36	73	1004	0.00
	09:15	4	5	3	5	4	4	4	5	220	37	72	1004	0.00
	09:30	3	5	4	5	4	4	4	5	208	38	70	1004	0.00
	09:45	4	5	3	6	5	5	4	5	215	39	69	1004	0.00
	10:00	4	5	3	6	5	4	4	5	217	40	68	1004	0.00
	10:15	3	4	3	5	4	4	5	4	205	41	65	1004	0.00
	10:30	3	4	3	6	4	5	4	4	198	43	64	1004	0.00
	10:45	3	4	3	5	4	4	5	4	208	44	59	1004	0.00
	11:00	2	3	2	4	3	3	4	5	204	46	53	1004	0.00
	11:15	2	3	2	5	3	3	3	5	223	47	51	1004	0.00
	11:30	2	3	2	5	3	3	3	5	216	48	50	1004	0.00
	11:45	2	3	2	4	3	3	3	6	226	49	49	1004	0.00
	12:00	2	3	2	4	3	3	3	5	226	50	48	1004	0.00
	12:15	2	3	2	4	3	3	3	5	228	51	47	1003	0.00
	12:30	2	3	2	4	3	3	3	5	232	52	46	1003	0.00
	12:45	2	3	2	3	3	3	3	5	219	53	46	1003	0.00
	13:00	2	3	2	3	3	4	4	6	226	53	44	1003	0.00
	13:15	2	4	3	4	4	4	4	5	222	54	44	1002	0.00
	13:30	2	4	3	5	4	4	4	5	232	55	42	1002	0.00
	13:45	2	3	3	5	3	3	4	4	226	55	40	1002	0.00
	14:00	2	3	2	4	3	3	3	5	222	56	40	1002	0.00
	14:15	1	3	2	4	3	3	3	5	228	56	42	1001	0.00
	14:30	1	3	2	4	3	3	3	5	219	56	39	1001	0.00
	14:45	1	3	2	4	2	3	3	5	226	57	39	1001	0.00
	15:00	1	2	2	4	2	3	3	4	235	58	38	1001	0.00
	15:15	1	2	2	3	2	2	3	6	231	58	37	1001	0.00
	15:30	1	2	2	4	4	2	2	5	231	58	36	1001	0.00
	15:45	1	2	2	4	2	0	2	5	229	58	35	1000	0.00
	16:00	1	2	2	4	2	2	0	4	232	58	35	1000	0.00
	16:15	1	2	1	3	2	2	2	4	235	58	34	1000	0.00
	16:30	0	2	1	3	1	2	2	4	233	59	35	1000	0.00
	16:45	1	2	1	3	1	2	2	4	231	58	37	1000	0.00
	17:00	1	2	1	2	2	2	2	4	241	57	37	1000	0.00
	17:15	1	2	1	3	2	2	2	4	229	56	39	1000	0.00
	17:30	1	2	1	3	2	2	2	3	216	56	40	1000	0.00
	17:45	1	2	1	3	2	2	2	3	229	55	41	1000	0.00
	18:00	1	2	2	3	2	2	2	3	231	54	41	1000	0.00
	18:15	1	2	1	4	2	2	2	3	223	53	42	1000	0.00
	18:30	1	2	1	4	2	2	2	3	230	52	44	1000	0.00
	18:45	1	2	1	3	2	2	2	2	227	51	46	1000	0.00
	19:00	1	2	1	3	2	2	2	3	218	51	47	1000	0.00
	19:15	1	2	1	3	2	2	2	2	225	50	49	1000	0.00
	19:30	1	2	1	3	2	2	2	3	204	49	50	1000	0.00
	19:45	1	2	1	3	2	2	2	2	205	48	52	1000	0.00
	20:00	1	2	1	3	2	2	2	3	209	48	53	1001	0.00
	20:15	1	2	1	3	2	2	2	3	195	48	54	1001	0.00
	20:30	1	3	1	3	3	2	2	4	210	48	55	1001	0.00
	20:45	1	3	2	3	3	3	3	4	197	47	55	1000	0.00
	21:00	2	3	2	3	3	3	3	4	189	47	56	1000	0.00
	21:15	2	3	2	4	3	3	3	4	199	47	56	1000	0.00
	21:30	2	3	2	4	3	3	3	6	210	47	57	1000	0.00
	21:45	2	4	2	4	3	3	3	5	207	47	58	1000	0.00
	22:00	2	4	2	4	3	3	3	6	209	46	59	1000	0.00
	22:15	3	4	2	4	3	3	3	5	211	46	60	1000	0.00
	22:30	3	4	2	4	4	4	3	6	205	46	60	1000	0.00
	22:45	3	4	3	4	3	3	4	6	211	46	61	1000	0.00
	23:00	3	4	3	4	4	4	4	6	217	45	62	1000	0.00
	23:15	3	4	2	4	4	4	4	5	206	45	63	1000	0.00
	23:30	3	4	3	5	4	4	4	5	211	45	64	1000	0.00
	23:45	4	5	3	5	4	4	4	6	213	44	65	1000	0.00
	00:00	3	5	3	6	4	4	4	6	209	44	67	1000	0.00

Draft

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Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
11/3/2023	00:15	4	5	3	5	4	4	4	5	208	43	68	1000	0.00
	00:30	3	5	3	5	4	4	4	5	201	43	69	1000	0.00
	00:45	4	4	3	5	4	4	4	5	207	43	69	1000	0.00
	01:00	3	4	3	5	4	4	4	6	210	43	69	1000	0.00
	01:15	4	4	3	5	4	4	4	5	212	43	69	1000	0.00
	01:30	3	4	3	4	4	3	3	4	205	42	69	1000	0.00
	01:45	3	4	3	4	4	3	3	5	206	42	70	1000	0.00
	02:00	3	4	2	4	3	3	3	4	209	42	70	1000	0.00
	02:15	2	4	2	4	3	3	3	4	204	42	70	1000	0.00
	02:30	3	3	2	4	3	3	3	5	199	42	70	1000	0.00
	02:45	3	3	2	3	3	3	3	5	203	41	70	1000	0.00
	03:00	2	3	2	3	3	3	3	4	205	41	71	1000	0.00
	03:15	2	3	2	3	3	3	3	4	203	41	71	1000	0.00
	03:30	2	3	2	3	3	3	3	4	201	41	71	1000	0.00
	03:45	2	3	2	3	3	3	3	4	206	41	72	1000	0.00
	04:00	2	3	2	3	3	3	3	3	213	40	72	1000	0.00
	04:15	3	3	2	3	3	3	3	4	201	40	73	1000	0.00
	04:30	2	4	2	4	3	3	3	4	202	40	72	1000	0.00
	04:45	3	3	2	4	3	3	3	4	199	40	72	1000	0.00
	05:00	2	3	2	4	3	3	3	4	201	40	70	1000	0.00
	05:15	2	3	2	3	3	3	3	5	211	41	69	1000	0.00
	05:30	2	3	2	3	3	3	2	5	213	41	68	999	0.00
	05:45	2	3	2	3	3	3	2	5	207	41	67	999	0.00
	06:00	2	3	2	3	3	3	2	4	207	42	67	999	0.00
	06:15	2	3	2	3	3	3	2	5	201	42	67	999	0.00
	06:30	2	3	2	3	3	3	2	5	202	42	66	999	0.00
	06:45	2	3	2	4	3	3	2	5	200	41	66	999	0.00
	07:00	2	3	2	4	3	3	3	5	203	41	66	999	0.00
	07:15	2	3	2	4	3	3	3	5	204	41	66	999	0.00
	07:30	2	3	2	4	3	3	2	5	208	41	66	999	0.00
	07:45	2	4	3	4	3	2	3	5	206	41	66	999	0.00
	08:00	2	3	2	4	3	2	3	5	214	41	65	999	0.00
	08:15	2	4	2	4	3	3	2	5	208	41	64	999	0.00
	08:30	3	4	3	4	4	3	3	6	212	42	62	999	0.00
	08:45	3	3	3	4	3	4	3	6	213	43	60	999	0.00
	09:00	3	3	2	4	3	3	3	6	213	44	58	999	0.00
	09:15	2	3	2	3	3	4	3	6	210	45	56	999	0.00
	09:30	2	3	2	3	3	3	3	6	213	46	55	999	0.00
	09:45	2	3	2	4	3	3	3	7	215	47	54	999	0.00
	10:00	2	3	2	3	3	3	3	6	224	48	50	999	0.00
	10:15	2	3	3	6	3	3	3	5	226	50	48	999	0.00
	10:30	2	4	2	5	3	3	3	5	220	51	48	999	0.00
	10:45	2	4	2	6	2	3	3	5	216	53	46	998	0.00
	11:00	1	3	2	4	3	3	3	6	221	54	42	998	0.00
	11:15	2	3	2	4	3	3	0	8	221	55	41	998	0.00
	11:30	2	3	2	3	3	3	3	5	228	56	40	998	0.00
	11:45	1	3	2	3	3	3	3	6	223	57	40	998	0.00
	12:00	1	3	2	3	2	3	3	6	225	58	40	998	0.00
	12:15	1	3	2	3	2	3	3	5	230	59	38	998	0.00
	12:30	1	3	2	4	2	3	3	6	228	59	38	998	0.00
	12:45	2	3	2	4	3	3	3	5	229	60	38	997	0.00
	13:00	1	3	2	3	3	3	3	6	221	61	38	997	0.00
	13:15	1	2	2	2	2	3	3	6	220	61	37	996	0.00
	13:30	1	3	2	2	2	3	3	7	230	61	37	996	0.00
	13:45	1	2	2	2	2	4	3	5	225	61	38	996	0.00
	14:00	1	3	2	2	2	3	3	5	225	61	37	996	0.00
	14:15	1	3	2	3	2	3	3	6	232	61	38	996	0.00
	14:30	1	3	2	4	2	4	3	4	234	61	37	995	0.00
	14:45	2	3	2	4	3	4	3	5	221	62	37	995	0.00
	15:00	2	3	2	4	3	3	4	5	232	62	36	995	0.00
	15:15	2	3	2	4	3	3	3	5	222	63	35	995	0.00
	15:30	2	3	2	3	2	4	4	5	228	62	36	995	0.00
	15:45	2	3	2	4	2	3	3	4	222	62	36	995	0.00
	16:00	2	3	2	5	2	4	3	4	221	62	36	995	0.00
	16:15	2	3	2	4	3	4	3	4	234	62	35	995	0.00
	16:30	2	3	2	4	3	4	3	4	223	62	35	995	0.00
	16:45	2	3	2	3	3	3	3	4	232	62	36	995	0.00
	17:00	1	2	2	3	2	3	3	4	232	61	38	995	0.00
	17:15	1	2	2	3	2	3	3	4	212	61	38	995	0.00
	17:30	1	3	2	3	2	3	3	4	215	60	36	995	0.00
	17:45	2	3	2	3	3	4	3	3	214	60	36	995	0.00
	18:00	3	4	3	5	4	5	4	4	222	59	36	995	0.00
	18:15	3	4	3	6	4	4	5	4	230	59	36	995	0.00
	18:30	2	3	2	4	3	4	4	3	217	59	37	995	0.00
	18:45	2	3	2	4	3	3	3	4	224	58	37	996	0.00
	19:00	2	3	2	4	3	4	3	5	228	58	38	996	0.00
	19:15	2	3	2	3	3	4	3	4	219	58	39	996	0.00
	19:30	2	3	2	4	3	4	3	5	228	58	40	996	0.00
	19:45	2	3	2	4	3	4	4	5	220	58	41	996	0.00
	20:00	2	3	2	4	3	4	4	4	224	57	42	996	0.00
	20:15	2	3	2	4	3	4	4	4	222	57	43	996	0.00
	20:30	2	4	2	4	3	4	4	4	230	57	43	996	0.00
	20:45	2	4	2	4	3	4	4	4	233	57	45	996	0.00
	21:00	2	3	2	4	3	4	4	4	221	56	45	996	0.00
	21:15	2	4	2	4	3	4	4	4	224	56	45	996	0.00
	21:30	2	3	2	4	3	4	4	4	228	56	46	996	0.00
	21:45	2	4	2	4	3	4	4	4	215	56	46	996	0.00
	22:00	2	3	2	4	3	4	4	4	209	56	47	996	0.00
	22:15	3	3	2	5	3	4	4	5	225	56	48	997	0.00
	22:30	3	3	2	4	3	4	4	5	229	56	49	997	0.00
	22:45	2	3	2	5	3	4	4	5	224	55	50	997	0.00
	23:00	2	4	2	4	4	4	4	5	226	55	50	997	0.00
	23:15	2	3	2	4	4	4	4	5	237	55	52	996	0.00
	23:30	2	3	2	4	3	4	4	5	215	55	52	996	0.00
	23:45	2	4	2	4	3	4	4	4	224	54	54	996	0.00
	00:00	2	3	2	5	3	4	4	5	231	54	54	996	0.00

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Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
11/4/2023	00:15	2	4	2	4	3	4	4	4	226	54	55	996	0.00
	00:30	3	4	2	3	3	4	3	5	228	53	55	996	0.00
	00:45	2	4	2	3	3	4	4	4	226	53	55	996	0.00
	01:00	3	4	2	3	3	4	4	5	226	53	55	996	0.00
	01:15	3	4	2	3	3	3	4	4	230	53	56	997	0.00
	01:30	3	4	2	2	3	4	3	3	236	53	56	997	0.00
	01:45	3	4	3	2	4	3	4	3	241	52	56	997	0.00
	02:00	3	4	2	2	3	4	3	2	238	52	58	997	0.00
	02:15	3	4	2	2	3	4	3	3	235	52	58	997	0.00
	02:30	3	4	2	2	3	3	3	3	240	51	59	997	0.00
	02:45	2	4	2	2	3	3	3	2	230	51	59	997	0.00
	03:00	3	4	2	2	3	4	3	2	233	51	60	997	0.00
	03:15	3	4	2	3	3	3	3	3	234	50	61	997	0.00
	03:30	3	4	2	2	3	3	3	3	228	50	61	997	0.00
	03:45	3	4	3	2	3	3	3	2	232	50	61	997	0.00
	04:00	3	4	2	2	3	4	3	2	233	49	64	997	0.00
	04:15	3	4	2	2	3	4	3	2	197	48	68	997	0.00
	04:30	3	4	2	3	4	4	4	3	200	47	74	997	0.00
	04:45	2	4	2	3	3	3	3	2	202	46	72	997	0.00
	05:00	3	4	2	3	4	4	4	3	193	45	75	997	0.00
	05:15	3	4	2	3	3	4	4	3	190	44	80	997	0.00
	05:30	3	4	2	3	4	4	4	2	194	44	83	997	0.00
	05:45	3	4	2	3	3	4	4	2	192	43	83	997	0.00
	06:00	3	4	2	3	3	4	4	2	194	43	83	997	0.00
	06:15	3	4	2	2	3	4	4	2	197	42	83	998	0.00
	06:30	3	4	2	2	3	4	4	2	199	41	87	998	0.00
	06:45	3	4	2	2	4	4	4	2	188	41	87	998	0.00
	07:00	4	4	3	2	4	5	4	2	202	41	85	998	0.00
	07:15	5	6	3	3	5	5	5	2	201	41	85	998	0.00
	07:30	3	5	2	4	5	4	5	2	195	41	85	998	0.00
	07:45	4	5	3	3	4	5	5	2	202	41	83	998	0.00
	08:00	5	5	3	3	5	5	5	2	201	41	82	999	0.00
	08:15	4	5	3	4	5	6	5	2	201	42	82	999	0.00
	08:30	8	8	5	6	7	7	6	2	207	43	81	999	0.00
	08:45	6	8	5	6	7	6	7	2	217	46	75	999	0.00
	09:00	5	6	4	6	6	6	6	2	271	48	73	999	0.00
	09:15	5	6	5	6	7	8	6	1	259	49	70	1000	0.00
	09:30	6	8	6	7	8	8	7	2	325	51	66	1000	0.00
	09:45	8	9	6	8	8	9	9	2	323	53	62	1000	0.00
	10:00	7	7	5	7	8	8	8	2	336	55	60	1000	0.00
	10:15	6	7	4	6	7	7	8	2	341	56	57	1000	0.00
	10:30	5	6	4	5	6	6	7	2	340	58	55	1000	0.00
	10:45	5	6	4	6	6	7	7	3	350	58	51	1000	0.00
	11:00	5	6	4	5	6	7	7	3	356	58	51	1000	0.00
	11:15	5	6	4	5	7	8	7	3	324	59	49	1000	0.00
	11:30	6	7	4	6	7	7	8	2	342	60	48	1000	0.00
	11:45	5	6	4	5	7	7	7	2	306	61	45	999	0.00
	12:00	5	6	4	4	7	7	7	2	314	61	46	1000	0.00
	12:15	5	6	4	5	7	8	7	3	335	62	45	999	0.00
	12:30	6	7	5	5	7	8	8	3	335	62	45	999	0.00
	12:45	6	7	5	5	7	8	8	3	353	62	44	999	0.00
	13:00	6	7	5	6	7	7	8	2	256	63	44	999	0.00
	13:15	6	7	5	6	7	7	7	3	304	64	45	999	0.00
	13:30	6	6	5	5	7	7	7	2	329	65	42	998	0.00
	13:45	5	6	5	5	7	7	7	3	328	63	43	998	0.00
	14:00	6	7	5	6	7	8	7	2	296	64	44	998	0.00
	14:15	6	7	5	6	7	8	7	3	355	63	44	998	0.00
	14:30	6	7	5	6	7	8	8	3	345	63	45	998	0.00
	14:45	7	7	5	6	8	8	8	2	332	63	44	998	0.00
	15:00	7	8	5	6	8	11	9	2	2	64	42	998	0.00
	15:15	8	9	6	7	9	9	11	2	276	65	43	998	0.00
	15:30	7	8	6	7	8	9	9	2	327	65	42	998	0.00
	15:45	7	7	6	7	8	9	9	2	3	65	44	998	0.00
	16:00	7	8	6	7	8	10	9	2	331	64	43	998	0.00
	16:15	9	9	6	7	9	9	10	2	305	64	45	998	0.00
	16:30	8	8	6	7	9	11	10	1	284	63	47	999	0.00
	16:45	9	10	7	8	10	9	11	1	254	62	48	999	0.00
	17:00	13	14	10	14	12	18	9	1	257	61	49	999	0.00
	17:15	23	24	15	19	23	16	18	2	294	61	51	999	0.00
	17:30	14	15	10	13	15	11	16	1	268	60	52	999	0.00
	17:45	9	9	7	9	10	8	11	2	15	59	54	998	0.00
	18:00	7	8	5	8	8	8	8	2	279	58	57	998	0.00
	18:15	9	9	6	9	9	13	8	1	246	57	60	999	0.00
	18:30	14	14	9	12	10	13	12	2	248	56	62	999	0.00
	18:45	12	13	9	13	11	12	13	2	246	55	66	999	0.00
	19:00	11	12	8	11	11	10	11	1	244	54	68	999	0.00
	19:15	10	10	7	9	10	10	10	1	242	53	71	999	0.00
	19:30	9	9	6	9	10	9	9	1	237	53	74	999	0.00
	19:45	10	10	6	9	9	10	9	1	233	53	70	999	0.00
	20:00	10	9	7	10	10	15	10	1	250	53	68	999	0.00
	20:15	17	13	9	12	14	15	15	1	237	53	71	999	0.00
	20:30	18	17	11	14	13	17	15	1	232	53	68	999	0.00
	20:45	16	19	13	19	18	15	17	1	236	53	66	999	0.00
	21:00	14	15	11	15	15	13	14	1	240	52	67	1000	0.00
	21:15	14	14	10	14	14	12	14	2	248	52	69	1000	0.00
	21:30	13	14	10	13	13	13	12	1	234	51	72	1000	0.00
	21:45	13	14	9	13	13	12	13	1	233	50	73	1000	0.00
	22:00	13	14	9	12	14	14	12	1	209	48	76	1000	0.00
	22:15	20	21	13	18	18	19	15	2	201	47	78	1000	0.00
	22:30	22	23	14	19	18	14	20	2	200	47	84	1000	0.00
	22:45	16	17	11	16	16	12	15	3	193	46	85	1000	0.00
	23:00	14	16	10	14	14	12	12	2	189	45	88	1000	0.00
	23:15	13	14	8	11	12	13	13	2	186	44	88	1000	0.00
	23:30	13	13	8	11	12	14	13	2	190	43	89	1000	0.00
	23:45	12	13	8	12	12	13	14	2	184	42	91	1000	0.00
	00:00	13	13	9	13	13	13	13	2	201	42	92	1000	0.00

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Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
11/5/2023	00:15	14	15	9	14	13	13	13	2	194	42	93	1000	0.00
	00:30	13	14	8	13	13	12	12	2	178	41	92	999	0.00
	00:45	13	13	8	13	13	13	12	1	180	41	93	999	0.00
	01:00	12	13	8	13	14	13	13	2	186	40	94	1000	0.00
	01:15	13	14	8	13	13	13	13	2	191	40	95	999	0.00
	01:30	13	13	8	13	13	12	12	2	186	40	95	999	0.00
	01:45	12	13	8	13	13	13	12	2	181	39	95	999	0.00
	01:00	12	14	7	13	13	13	13	2	193	39	95	999	0.00
	01:15	13	14	7	13	14	13	13	2	199	38	96	999	0.00
	01:30	13	14	8	13	14	12	12	2	187	38	96	1000	0.00
	01:45	12	14	7	13	13	12	13	2	207	38	97	1000	0.00
	02:00	13	14	7	13	13	13	12	3	210	38	97	1000	0.00
	02:15	14	14	7	12	13	13	13	2	198	38	97	1000	0.00
	02:30	13	13	7	12	14	14	13	2	190	37	97	1000	0.00
	02:45	13	14	8	15	16	15	14	2	188	37	97	1000	0.00
	03:00	14	16	9	16	16	15	15	2	193	37	97	1000	0.00
	03:15	16	16	8	15	16	15	15	3	188	36	97	1000	0.00
	03:30	15	16	9	16	16	15	15	3	183	36	97	1000	0.00
	03:45	15	16	9	16	17	15	15	2	199	36	97	1000	0.00
	04:00	15	15	9	16	17	15	15	2	193	36	98	1000	0.00
	04:15	15	15	8	16	17	15	15	2	200	36	98	1000	0.00
	04:30	15	17	8	16	17	15	15	2	182	36	98	1000	0.00
	04:45	15	17	9	17	17	15	15	3	183	35	98	1000	0.00
	05:00	16	17	9	16	17	15	15	2	182	35	98	1000	0.00
	05:15	16	16	8	16	16	15	15	2	187	35	98	1000	0.00
	05:30	16	16	7	16	16	14	14	3	205	35	98	1000	0.00
	05:45	14	16	8	16	16	15	14	2	186	35	98	1000	0.00
	06:00	15	16	8	16	16	15	15	2	173	35	98	1000	0.00
	06:15	15	16	8	15	16	14	15	2	183	35	98	1000	0.00
	06:30	14	16	8	15	16	15	15	1	166	35	98	1000	0.00
	06:45	14	15	7	15	15	15	14	2	178	35	98	1000	0.00
	07:00	14	15	8	14	16	15	14	2	183	34	98	1000	0.00
	07:15	15	17	9	15	17	15	15	2	169	35	98	1000	0.00
	07:30	14	16	7	14	16	13	15	2	179	36	99	1000	0.00
	07:45	11	14	7	12	14	11	13	2	172	39	97	1000	0.00
	08:00	11	12	8	11	12	11	11	3	162	42	89	1001	0.00
	08:15	11	13	9	12	11	10	10	3	158	44	83	1001	0.00
	08:30	11	13	10	13	11	11	10	3	157	47	78	1001	0.00
	08:45	13	15	12	15	13	12	11	2	150	49	72	1001	0.00
	09:00	15	15	11	14	12	13	11	2	181	52	66	1001	0.00
	09:15	14	14	11	15	13	12	13	2	180	53	64	1001	0.00
	09:30	15	14	11	15	13	16	13	2	148	54	63	1001	0.00
	09:45	14	15	11	15	15	15	13	2	211	56	60	1001	0.00
	10:00	14	14	11	15	15	16	14	3	197	57	57	1001	0.00
	10:15	13	14	10	16	14	15	15	3	195	59	54	1001	0.00
	10:30	13	13	10	13	14	19	14	2	158	60	48	1001	0.00
	10:45	15	13	10	13	14	14	18	3	153	61	46	1001	0.00
	11:00	12	12	9	12	13	12	13	3	175	61	45	1000	0.00
	11:15	10	11	9	11	12	11	12	3	192	62	46	1000	0.00
	11:30	10	11	8	10	11	11	11	3	114	62	43	1000	0.00
	11:45	10	10	8	10	10	11	10	3	191	63	43	1000	0.00
	12:00	9	10	8	10	10	11	10	3	185	63	44	999	0.00
	12:15	10	10	8	10	10	11	10	3	180	64	42	999	0.00
	12:30	9	10	8	9	10	10	10	4	232	64	40	999	0.00
	12:45	8	9	7	9	9	10	10	3	238	64	40	998	0.00
	13:00	11	11	8	10	9	13	10	2	213	65	36	998	0.00
	13:15	10	9	7	8	8	8	11	3	197	66	35	998	0.00
	13:30	7	8	6	8	8	7	8	3	225	66	37	998	0.00
	13:45	6	7	5	7	7	7	6	3	219	64	37	997	0.00
	14:00	6	6	5	6	6	7	6	3	215	63	39	997	0.00
	14:15	6	7	5	7	6	7	7	3	225	63	40	997	0.00
	14:30	6	7	5	6	6	7	6	3	238	64	39	997	0.00
	14:45	8	8	6	7	7	7	7	2	213	65	38	997	0.00
	15:00	5	6	4	5	6	6	6	3	195	65	37	996	0.00
	15:15	5	6	5	6	5	6	5	2	191	65	37	996	0.00
	15:30	5	5	4	5	5	6	5	2	191	65	38	996	0.00
	15:45	4	5	4	5	5	5	5	2	205	65	38	996	0.00
	16:00	3	4	3	3	4	5	4	2	225	63	39	996	0.00
	16:15	4	4	3	6	3	5	4	1	231	62	41	996	0.00
	16:30	5	5	3	4	4	5	4	1	247	61	44	995	0.00
	16:45	5	5	3	6	5	5	5	1	237	59	46	995	0.00
	17:00	4	5	3	5	4	4	4	1	224	57	49	995	0.00
	17:15	3	4	3	5	4	5	3	1	228	56	52	995	0.00
	17:30	4	5	3	6	5	7	4	1	235	54	56	995	0.00
	17:45	5	7	4	6	6	8	6	1	219	53	62	996	0.00
	18:00	8	8	6	9	6	6	7	1	210	51	61	995	0.00
	18:15	6	6	4	5	5	5	5	1	112	50	64	995	0.00
	18:30	5	6	3	5	5	5	4	1	24	50	67	995	0.00
	18:45	5	5	3	12	5	5	4	1	28	50	66	995	0.00
	19:00	8	12	5	7	5	5	4	1	213	50	67	995	0.00
	19:15	5	5	3	5	5	4	4	1	192	50	63	995	0.00
	19:30	4	4	3	4	5	4	4	1	201	50	62	995	0.00
	19:45	3	3	2	3	4	4	3	1	170	52	57	995	0.00
	20:00	3	3	2	3	3	3	3	2	181	52	56	995	0.00
	20:15	3	3	2	3	3	3	2	2	182	52	55	995	0.00
	20:30	3	4	2	3	3	5	2	2	196	52	56	995	0.00
	20:45	5	6	4	6	5	5	4	2	184	52	55	995	0.00
	21:00	4	5	4	6	5	4	4	2	215	53	55	994	0.00
	21:15	5	6	3	5	5	4	3	2	220	53	55	994	0.00
	21:30	4	5	3	5	5	4	3	2	241	54	54	994	0.00
	21:45	4	5	3	5	4	4	3	2	225	53	54	994	0.00
	22:00	4	5	3	5	5	4	3	2	217	53	56	994	0.00
	22:15	5	5	4	5	5	4	3	2	194	53	56	994	0.00
	22:30	4	5	3	5	5	4	3	2	210	53	58	993	0.00
	22:45	4	5	3	4	4	4	3	2	226	52	59	993	0.00
	23:00	4	5	3	4	4	4	3	2	233	52	61	993	0.00
	23:15	3	5	3	6	5	5	4	2	229	52	61	993	0.00
	23:30	4	5	3	4	5	5	5	3	229	52	62	993	0.00
	23:45	4	5	3	5	5	5	5	3	232	52	63	993	0.00
	00:00	3	5	3	4	4	5	4	2	232	52	63	992	0.00

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Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
11/6/2023	00:15	3	5	3	4	5	5	4	2	228	52	63	992	0.00
	00:30	3	5	3	5	5	4	4	3	216	53	63	992	0.00
	00:45	3	5	3	4	4	4	4	3	220	53	63	992	0.00
	01:00	3	5	3	4	4	4	4	2	245	53	63	992	0.00
	01:15	3	5	3	4	4	4	4	3	223	53	63	992	0.00
	01:30	3	5	3	4	5	4	4	3	204	53	63	992	0.00
	01:45	4	5	3	5	5	4	4	2	235	53	64	992	0.00
	02:00	3	5	3	4	5	4	4	2	163	53	64	991	0.00
	02:15	3	6	3	5	5	4	4	2	219	54	64	991	0.00
	02:30	4	5	4	5	5	5	5	2	219	54	64	991	0.00
	02:45	3	5	3	5	5	5	4	3	212	54	64	991	0.00
	03:00	3	5	3	5	5	5	4	3	211	54	66	991	0.00
	03:15	3	5	3	5	5	5	5	4	203	55	66	990	0.00
	03:30	4	6	3	5	5	5	5	3	208	55	66	990	0.00
	03:45	4	5	3	6	5	5	5	3	217	55	67	990	0.00
	04:00	4	5	3	6	5	5	5	3	218	55	68	990	0.00
	04:15	4	6	4	5	5	5	5	2	224	55	70	990	0.00
	04:30	4	6	4	5	6	6	5	3	217	55	70	989	0.00
	04:45	4	6	4	6	6	5	6	3	222	57	69	990	0.00
	05:00	4	6	4	6	6	5	6	4	240	57	70	990	0.00
	05:15	4	6	4	6	6	6	6	4	216	57	70	989	0.00
	05:30	4	6	4	5	6	5	6	4	214	56	71	989	0.00
	05:45	4	6	4	6	6	6	6	4	218	56	72	989	0.00
	06:00	4	6	4	6	6	6	6	4	226	56	73	989	0.00
	06:15	4	6	4	6	6	6	6	4	222	56	74	989	0.00
	06:30	4	7	4	6	6	6	6	4	211	56	74	989	0.00
	06:45	5	6	4	6	6	6	6	5	223	56	75	989	0.00
	07:00	4	6	4	6	6	6	6	5	219	57	75	989	0.00
	07:15	4	6	4	6	6	6	6	5	228	57	75	989	0.00
	07:30	4	6	4	6	6	6	7	5	222	58	74	989	0.00
	07:45	5	7	4	7	6	6	6	5	227	58	73	989	0.00
	08:00	4	7	3	7	6	6	6	5	229	60	72	989	0.00
	08:15	4	6	5	7	4	4	6	4	230	61	70	988	0.00
	08:30	4	6	5	8	6	6	4	5	220	62	67	988	0.00
	08:45	4	6	4	8	6	7	6	6	227	64	65	988	0.00
	09:00	4	6	4	6	6	6	5	6	230	65	65	988	0.00
	09:15	4	6	4	6	6	6	6	6	234	66	64	988	0.00
	09:30	4	6	5	6	6	7	6	6	231	67	63	988	0.00
	09:45	4	6	4	6	6	6	5	7	235	68	62	988	0.00
	10:00	4	5	4	5	6	6	6	7	229	69	62	988	0.00
	10:15	3	5	4	5	5	6	5	7	242	70	62	987	0.00
	10:30	3	6	4	5	6	7	6	7	239	70	61	987	0.00
	10:45	4	6	4	7	6	6	6	6	236	71	59	987	0.00
	11:00	4	6	4	6	6	6	6	6	240	72	59	987	0.00
	11:15	3	5	4	6	6	6	6	7	236	72	60	987	0.00
	11:30	3	5	4	5	5	6	5	6	233	73	59	987	0.00
	11:45	3	5	4	5	5	6	6	7	236	73	59	987	0.00
	12:00	3	5	3	5	5	6	5	6	234	73	57	986	0.00
	12:15	2	5	3	5	5	6	5	5	229	74	59	987	0.00
	12:30	2	5	3	4	5	6	5	6	237	73	60	986	0.00
	12:45	2	5	3	5	5	6	5	6	231	73	60	986	0.00
	13:00	2	5	3	5	5	6	5	5	227	73	59	986	0.00
	13:15	2	5	4	5	5	5	5	7	237	73	59	986	0.00
	13:30	2	4	3	5	5	5	5	5	225	74	56	986	0.00
	13:45	2	4	3	4	4	6	5	5	228	76	56	986	0.00
	14:00	2	4	3	4	5	6	5	6	229	75	58	986	0.00
	14:15	3	5	4	5	4	6	5	6	237	74	58	985	0.00
	14:30	3	5	3	5	5	6	5	5	239	74	58	986	0.00
	14:45	3	5	4	5	5	6	6	6	235	74	58	986	0.00
	15:00	3	5	4	5	5	6	6	4	230	74	59	986	0.00
	15:15	3	5	3	5	5	6	5	4	239	73	60	986	0.00
	15:30	3	5	4	5	5	6	5	3	247	73	61	986	0.00
	15:45	3	5	4	6	5	6	5	3	230	73	62	986	0.00
	16:00	4	5	4	5	5	6	5	2	218	72	64	986	0.00
	16:15	4	5	4	5	6	5	6	2	220	71	65	986	0.00
	16:30	4	6	4	6	6	6	5	2	226	70	68	986	0.00
	16:45	4	6	4	5	5	6	5	1	227	69	69	986	0.00
	17:00	5	6	4	6	6	5	5	1	206	68	71	987	0.00
	17:15	3	6	4	6	6	5	5	1	262	67	73	987	0.00
	17:30	5	6	4	6	6	6	5	1	209	66	75	987	0.00
	17:45	5	6	4	6	6	6	5	1	249	65	76	987	0.00
	18:00	4	7	4	6	6	6	6	1	247	65	78	987	0.00
	18:15	4	6	4	6	6	6	6	1	249	64	79	987	0.00
	18:30	4	6	4	6	6	5	5	1	237	63	81	987	0.00
	18:45	3	6	3	6	6	5	5	1	222	62	83	987	0.00
	19:00	4	6	3	6	6	8	5	1	262	61	84	988	0.00
	19:15	7	7	4	7	7	9	8	1	247	61	85	988	0.00
	19:30	5	8	5	8	8	7	8	1	244	60	86	988	0.00
	19:45	4	7	4	7	7	6	6	1	248	60	87	988	0.00
	20:00	3	6	4	7	7	5	5	1	258	59	89	988	0.00
	20:15	3	5	3	5	5	5	5	1	275	59	89	988	0.00
	20:30	4	6	3	6	6	5	5	1	287	59	89	988	0.00
	20:45	4	5	3	6	5	6	5	1	288	58	89	988	0.00
	21:00	3	5	3	6	6	6	5	1	278	58	90	988	0.00
	21:15	4	6	4	7	6	8	5	1	288	59	88	989	0.00
	21:30	6	7	4	7	8	9	8	1	250	59	87	989	0.00
	21:45	6	8	4	7	9	8	10	1	288	59	87	988	0.00
	22:00	4	7	4	7	7	7	7	2	254	59	87	989	0.00
	22:15	4	6	4	7	7	6	7	1	238	58	88	989	0.00
	22:30	4	6	4	6	6	6	6	1	256	58	88	989	0.00
	22:45	4	6	3	6	6	6	6	1	230	58	88	989	0.00
	23:00	4	6	4	6	6	7	6	1	228	58	90	989	0.00
	23:15	4	7	4	7	7	7	7	1	233	58	90	989	0.00
	23:30	5	7	4	7	7	6	7	1	226	57	89	989	0.00
	23:45	4	7	4	8	8	6	6	1	263	55	93	989	0.00
	00:00	5	8	5	10	9	6	6	1	240	55	92	989	0.00

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Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
11/7/2023	00:15	1	7	5	9	9	7	7	1	268	54	94	989	0.00
	00:30	0	7	4	9	8	6	7	1	262	54	95	989	0.00
	00:45	0	7	3	7	7	6	7	1	256	55	94	989	0.00
	01:00	0	7	3	7	6	7	6	2	312	56	91	989	0.00
	01:15	0	7	4	8	7	7	7	1	269	56	90	989	0.00
	01:30	0	7	4	7	7	7	7	1	250	55	92	989	0.00
	01:45	0	6	4	7	7	6	7	1	253	54	92	989	0.00
	02:00	0	6	3	7	7	5	6	1	243	53	93	989	0.00
	02:15	1	8	4	7	6	6	6	1	252	52	94	990	0.00
	02:30	1	8	3	7	7	8	7	1	230	51	95	990	0.00
	02:45	3	9	5	12	17	20	9	1	183	50	95	990	0.00
	03:00	10	17	10	17	20	17	20	1	135	49	96	990	0.00
	03:15	8	15	8	15	17	15	17	1	184	48	96	990	0.00
	03:30	7	14	7	14	15	17	15	2	199	48	96	990	0.00
	03:45	9	16	10	17	19	18	18	2	179	47	97	990	0.00
	04:00	8	17	10	17	19	16	19	2	180	46	97	990	0.00
	04:15	8	15	7	12	13	12	16	2	205	46	97	990	0.00
	04:30	5	11	5	10	11	10	13	2	185	46	98	990	0.00
	04:45	3	10	5	9	10	8	10	2	178	46	98	990	0.00
	05:00	3	9	4	8	9	8	9	2	171	45	98	991	0.00
	05:15	1	8	4	8	8	7	8	2	175	45	98	991	0.00
	05:30	2	8	3	7	8	8	7	1	182	45	98	991	0.00
	05:45	1	8	3	9	8	7	8	2	194	45	98	991	0.00
	06:00	1	8	3	8	7	7	8	2	188	45	98	991	0.00
	06:15	2	9	4	10	8	9	8	1	179	45	99	991	0.00
	06:30	2	9	4	10	10	7	9	2	194	45	99	991	0.00
	06:45	1	8	4	9	9	8	8	1	180	45	99	992	0.00
	07:00	3	9	4	9	9	7	8	2	187	46	99	992	0.00
	07:15	1	7	3	8	8	7	8	1	171	47	99	992	0.00
	07:30	0	7	3	7	8	6	7	1	134	47	99	992	0.00
	07:45	0	7	3	5	6	5	6	1	296	49	98	992	0.00
	08:00	0	6	3	6	6	5	5	1	118	52	86	993	0.00
	08:15	0	6	3	6	5	4	5	1	108	55	81	993	0.00
	08:30	0	5	3	6	5	5	5	3	66	55	74	993	0.00
	08:45	2	6	4	7	5	5	5	4	49	57	70	993	0.00
	09:00	1	6	3	7	5	4	5	4	39	57	68	993	0.00
	09:15	0	4	2	5	4	4	4	3	72	59	64	993	0.00
	09:30	0	4	2	4	4	4	4	5	73	59	64	993	0.00
	09:45	0	4	2	4	3	4	3	4	92	60	61	993	0.00
	10:00	0	3	2	5	4	4	3	5	76	61	59	993	0.00
	10:15	0	3	2	3	4	3	3	4	85	63	59	993	0.00
	10:30	0	3	2	3	3	3	3	6	66	63	56	993	0.00
	10:45	0	2	1	3	2	3	2	4	77	65	53	993	0.00
	11:00	0	2	1	4	3	3	2	5	50	66	52	993	0.00
	11:15	0	3	2	3	3	3	3	5	67	66	49	993	0.00
	11:30	0	2	2	3	3	3	2	4	91	67	47	992	0.00
	11:45	0	3	2	3	3	3	2	4	76	68	49	992	0.00
	12:00	0	2	2	3	3	3	2	5	71	68	45	992	0.00
	12:15	0	2	2	3	2	2	2	5	57	69	44	992	0.00
	12:30	0	2	1	3	2	3	2	5	80	70	41	991	0.00
	12:45	0	2	1	4	2	3	2	4	62	70	41	991	0.00
	13:00	0	3	2	4	3	3	3	4	98	72	43	991	0.00
	13:15	0	2	2	4	2	3	2	4	76	71	40	991	0.00
	13:30	0	3	2	4	2	4	2	6	66	71	40	990	0.00
	13:45	0	4	3	6	4	3	4	4	67	72	39	990	0.00
	14:00	0	2	2	4	3	3	2	4	90	73	35	991	0.00
	14:15	0	3	2	4	2	2	3	5	65	72	36	990	0.00
	14:30	0	2	2	4	2	2	2	4	84	72	38	990	0.00
	14:45	0	2	1	3	2	3	2	4	103	73	34	990	0.00
	15:00	0	2	2	3	2	3	2	5	88	72	36	990	0.00
	15:15	0	2	2	4	2	3	2	4	88	72	38	990	0.00
	15:30	0	3	2	4	2	4	2	5	80	72	37	990	0.00
	15:45	0	4	3	6	4	5	4	4	90	71	38	990	0.00
	16:00	0	5	3	6	4	8	4	4	94	70	39	990	0.00
	16:15	22	28	23	33	8	5	8	4	86	69	40	990	0.00
	16:30	7	14	11	18	3	3	4	4	86	68	42	990	0.00
	16:45	1	8	6	9	2	3	2	3	83	67	42	990	0.00
	17:00	1	7	6	10	3	4	2	3	84	66	44	990	0.00
	17:15	0	6	4	8	3	3	3	4	73	65	44	990	0.00
	17:30	0	4	2	5	3	3	3	3	77	65	44	990	0.00
	17:45	0	3	1	4	3	3	2	4	84	65	44	990	0.00
	18:00	0	3	2	5	3	3	2	4	79	64	46	990	0.00
	18:15	0	3	1	4	3	3	2	4	71	63	48	990	0.00
	18:30	0	3	1	3	2	2	2	5	70	62	49	990	0.00
	18:45	0	2	1	3	2	2	2	4	74	61	51	990	0.00
	19:00	0	3	1	3	2	2	2	4	80	61	51	990	0.00
	19:15	0	2	1	3	2	2	2	5	81	60	53	990	0.00
	19:30	0	2	1	3	2	2	2	5	70	60	54	990	0.00
	19:45	0	2	1	3	2	2	2	5	75	59	54	990	0.00
	20:00	0	2	1	3	2	3	2	5	82	59	55	990	0.00
	20:15	0	3	1	3	3	3	2	6	74	59	56	990	0.00
	20:30	0	3	1	4	3	4	2	7	82	59	57	990	0.00
	20:45	0	4	2	4	3	4	3	6	84	58	60	990	0.00
	21:00	0	4	2	5	4	4	3	6	89	58	61	990	0.00
	21:15	0	4	2	5	4	4	3	6	88	58	62	990	0.00
	21:30	0	4	2	5	4	4	4	5	90	57	63	990	0.00
	21:45	0	4	2	5	4	4	4	5	90	57	63	990	0.00
	22:00	0	4	2	4	4	4	4	5	91	57	63	989	0.00
	22:15	0	5	2	5	5	5	4	5	95	58	62	989	0.00
	22:30	0	5	2	5	5	5	4	6	91	58	63	989	0.00
	22:45	0	4	2	5	5	5	4	6	97	58	63	989	0.00
	23:00	0	5	2	5	5	5	4	5	89	57	64	989	0.00
	23:15	0	4	2	5	5	4	4	5	86	57	64	989	0.00
	23:30	0	4	2	5	4	4	4	5	94	57	64	989	0.00
	23:45	0	4	2	5	4	4	3	5	92	57	64	989	0.00
	00:00	0	4	2	4	4	4	3	6	91	58	63	988	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	2	4	2	4	4	4	4	6	89	58	63	988	0.00
	00:30	4	4	2	4	4	4	4	5	87	58	63	988	0.00
	00:45	4	4	2	4	4	4	4	4	91	59	62	988	0.00
	01:00	4	4	2	4	4	5	4	4	100	59	63	988	0.00
	01:15	4	4	2	5	5	5	5	4	94	59	65	987	0.00
	01:30	4	5	2	5	4	5	5	2	153	60	66	987	0.00
	01:45	4	5	3	5	5	4	5	3	106	60	67	987	0.00
	02:00	4	5	2	5	5	5	5	2	113	60	68	987	0.00
	02:15	5	5	3	5	5	5	5	2	108	60	71	987	0.00
	02:30	4	5	3	6	5	5	5	2	117	60	71	987	0.00
	02:45	5	5	3	6	5	5	5	1	97	60	74	987	0.00
	03:00	5	6	3	6	5	5	5	1	121	59	77	987	0.00
	03:15	5	6	3	7	5	5	5	1	182	59	78	986	0.00
	03:30	5	6	3	7	5	5	5	1	211	58	80	986	0.00
	03:45	5	6	3	7	5	5	5	1	233	58	83	986	0.00
	04:00	5	6	3	7	6	5	5	1	41	57	87	986	0.00
	04:15	4	6	3	5	5	5	6	1	326	58	90	986	0.00
	04:30	4	5	2	5	5	5	5	1	184	60	90	986	0.00
	04:45	4	5	2	6	5	5	5	1	214	60	91	986	0.00
	05:00	4	5	2	5	5	5	5	2	221	60	89	986	0.00
	05:15	4	5	3	6	5	5	5	2	226	61	91	986	0.00
	05:30	4	5	2	5	5	5	5	2	204	61	92	986	0.00
	05:45	4	5	2	5	5	5	5	2	224	62	91	986	0.00
	06:00	4	5	2	5	5	4	5	2	208	62	90	986	0.00
	06:15	4	5	2	5	5	5	5	2	235	62	90	986	0.00
	06:30	4	5	2	5	5	5	5	2	223	61	92	986	0.00
	06:45	4	5	2	5	5	5	5	3	229	62	91	986	0.00
	07:00	4	5	2	5	5	5	5	3	236	62	91	986	0.00
	07:15	4	5	2	5	5	4	5	3	209	63	90	986	0.00
	07:30	4	5	3	5	5	5	5	3	205	63	88	986	0.00
	07:45	4	5	2	5	4	4	5	3	222	64	86	985	0.00
	08:00	4	5	2	5	4	5	5	4	227	65	84	985	0.00
	08:15	4	5	2	5	4	5	5	4	214	67	82	985	0.00
	08:30	4	5	2	6	4	4	5	4	219	67	81	985	0.00
	08:45	4	5	3	5	4	5	5	4	224	68	80	985	0.00
	09:00	4	5	3	6	4	5	5	5	203	68	78	985	0.00
	09:15	4	5	3	6	4	5	5	5	216	69	77	985	0.00
	09:30	5	5	3	6	5	5	5	4	219	70	76	985	0.00
	09:45	4	5	3	6	4	6	5	4	217	71	74	984	0.00
	10:00	5	5	3	6	5	6	6	6	226	71	74	984	0.00
	10:15	5	5	3	6	5	5	5	4	212	73	71	984	0.00
	10:30	5	6	3	6	6	6	6	5	220	73	70	984	0.00
	10:45	5	5	3	6	5	6	6	6	215	73	69	983	0.00
	11:00	5	5	3	6	6	6	6	6	226	74	68	983	0.00
	11:15	4	6	5	5	5	8	6	5	217	75	66	983	0.00
	11:30	4	5	3	5	5	5	6	5	214	75	66	982	0.00
	11:45	4	5	3	6	5	5	5	6	208	76	64	982	0.00
11/8/2023	12:00	4	4	3	5	5	5	5	5	208	77	62	982	0.00
	12:15	3	4	3	5	5	5	5	6	223	77	62	981	0.00
	12:30	3	4	3	5	4	5	5	6	225	77	62	981	0.00
	12:45	3	4	3	5	4	5	5	6	213	77	60	981	0.00
	13:00	4	4	3	5	4	5	5	5	210	78	59	981	0.00
	13:15	3	4	2	5	4	5	5	5	222	78	58	980	0.00
	13:30	3	4	2	5	4	5	5	6	216	79	58	980	0.00
	13:45	3	4	2	5	4	5	5	5	194	78	57	980	0.00
	14:00	4	4	3	5	4	5	5	5	194	79	58	980	0.00
	14:15	4	4	2	6	5	6	6	6	215	78	60	980	0.00
	14:30	5	5	3	7	5	7	7	6	223	77	63	980	0.00
	14:45	6	7	4	7	6	8	8	5	230	75	66	981	0.00
	15:00	7	9	5	9	8	9	9	6	222	74	68	981	0.00
	15:15	8	9	6	10	9	10	10	6	217	73	70	981	0.00
	15:30	9	9	6	11	9	11	9	6	226	73	70	981	0.00
	15:45	9	9	6	10	9	9	9	5	227	73	70	981	0.00
	16:00	8	9	6	9	8	9	9	3	211	73	71	982	0.00
	16:15	8	8	6	8	8	9	9	3	207	72	73	982	0.00
	16:30	7	9	6	8	8	9	9	3	209	72	73	982	0.00
	16:45	8	8	5	8	8	8	9	3	213	71	74	982	0.00
	17:00	7	8	5	8	7	8	8	2	205	71	75	982	0.00
	17:15	7	8	5	9	8	7	8	1	196	70	77	982	0.00
	17:30	10	10	6	10	9	9	9	2	177	69	79	982	0.00
	17:45	9	9	5	9	8	9	10	1	210	69	79	983	0.00
	18:00	8	8	5	9	8	9	9	1	194	69	79	983	0.00
	18:15	6	8	5	8	8	8	9	1	227	69	79	983	0.00
	18:30	7	8	5	8	8	8	8	1	208	69	80	983	0.00
	18:45	7	7	4	8	7	7	7	2	226	69	80	984	0.00
	19:00	6	7	4	8	7	7	7	1	302	69	81	984	0.00
	19:15	7	8	5	9	8	8	8	2	255	69	81	984	0.00
	19:30	7	8	5	9	8	7	8	1	272	69	79	985	0.00
	19:45	10	10	6	11	10	11	10	3	332	68	77	985	0.00
	20:00	11	10	6	11	10	10	11	4	330	66	77	985	0.00
	20:15	9	9	7	11	10	10	10	5	349	64	78	986	0.00
	20:30	8	9	5	9	9	9	9	3	352	63	79	986	0.00
	20:45	8	9	5	9	9	9	9	4	336	62	80	986	0.00
	21:00	11	11	8	12	12	11	11	3	322	61	81	987	0.00
	21:15	18	19	13	22	19	18	20	4	328	59	81	988	0.00
	21:30	22	23	14	23	22	21	22	3	316	57	81	988	0.00
	21:45	24	24	15	26	25	24	24	4	334	57	81	988	0.00
	22:00	22	26	16	25	25	23	25	5	343	56	81	989	0.00
	22:15	21	22	13	23	23	22	22	4	340	55	82	989	0.00
	22:30	20	20	12	21	21	19	20	3	317	55	82	989	0.00
	22:45	17	18	11	19	18	17	18	3	303	55	82	989	0.00
	23:00	15	17	10	17	17	15	16	2	287	54	83	990	0.00
	23:15	14	16	9	16	16	15	16	3	323	54	84	990	0.00
	23:30	14	16	9	16	15	14	15	2	296	53	85	990	0.00
	23:45	15	15	9	15	15	14	15	3	290	53	83	990	0.00
	00:00	15	16	9	16	17	15	15	3	318	53	82	991	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
11/9/2023	00:15	14	15	9	15	15	13	15	3	329	52	82	991	0.00
	00:30	15	15	9	16	16	14	15	3	317	52	82	991	0.00
	00:45	15	15	9	16	15	14	15	3	311	52	82	991	0.00
	01:00	14	15	9	15	15	14	15	4	320	52	82	991	0.00
	01:15	15	15	9	15	15	14	15	3	312	51	83	991	0.00
	01:30	15	15	8	15	15	13	15	3	318	51	83	992	0.00
	01:45	15	15	8	15	15	13	15	3	323	51	84	992	0.00
	02:00	13	14	8	15	15	13	14	3	324	50	84	992	0.00
	02:15	14	15	9	15	15	14	14	3	324	50	83	993	0.00
	02:30	15	15	8	15	15	14	15	3	323	50	84	993	0.00
	02:45	15	14	8	15	15	14	14	3	329	49	85	993	0.00
	03:00	14	14	8	15	15	14	15	3	313	49	84	993	0.00
	03:15	14	14	7	14	14	13	14	2	307	48	84	994	0.00
	03:30	13	12	7	13	13	12	13	3	337	48	83	994	0.00
	03:45	12	12	7	13	12	11	12	2	302	48	83	994	0.00
	04:00	11	11	7	12	12	10	11	3	318	48	82	995	0.00
	04:15	11	11	6	12	11	10	11	3	311	48	82	995	0.00
	04:30	11	11	6	11	11	10	10	3	322	47	81	995	0.00
	04:45	10	10	5	10	10	9	10	3	305	47	81	996	0.00
	05:00	8	8	4	9	8	8	8	3	335	47	79	996	0.00
	05:15	7	7	4	7	7	6	7	3	318	46	80	996	0.00
	05:30	7	6	3	7	6	5	6	2	287	46	81	996	0.00
	05:45	4	5	3	6	5	5	4	3	284	45	74	997	0.00
	06:00	4	3	2	3	4	3	3	3	302	44	73	997	0.00
	06:15	3	3	2	3	2	3	2	3	336	43	73	997	0.00
	06:30	3	3	1	3	3	2	2	2	292	42	73	998	0.00
	06:45	2	2	1	3	2	2	2	3	293	42	73	998	0.00
	07:00	3	2	1	3	2	2	2	2	271	42	72	998	0.00
	07:15	2	2	1	3	3	2	2	3	273	42	71	998	0.00
	07:30	3	2	1	3	2	2	2	3	333	43	69	999	0.00
	07:45	3	2	2	4	2	2	2	3	2	43	69	998	0.00
	08:00	3	3	2	3	3	2	2	3	9	43	68	999	0.00
	08:15	3	2	1	3	3	2	2	3	26	45	63	999	0.00
	08:30	3	2	1	3	3	2	2	4	13	46	62	999	0.00
	08:45	3	2	1	2	2	2	2	3	353	47	59	999	0.00
	09:00	2	2	1	4	2	2	2	4	1	47	57	1000	0.00
	09:15	2	2	1	3	2	2	2	4	9	48	55	1000	0.00
	09:30	2	2	1	3	2	2	2	4	0	48	54	1000	0.00
	09:45	2	2	1	2	2	2	2	4	7	48	54	1000	0.00
	10:00	2	2	1	2	2	2	2	4	0	49	52	1000	0.00
	10:15	2	2	1	2	2	2	2	3	2	50	48	1000	0.00
	10:30	2	1	1	2	2	2	2	3	342	51	47	1000	0.00
	10:45	2	1	1	2	2	2	1	3	9	52	44	1000	0.00
	11:00	2	1	1	2	2	1	1	3	2	52	43	999	0.00
	11:15	1	1	1	3	2	2	1	3	7	53	42	999	0.00
	11:30	2	2	1	2	2	2	2	2	350	54	41	999	0.00
	11:45	1	2	1	1	2	2	1	2	351	55	40	999	0.00
	12:00	1	1	1	2	2	1	1	4	26	54	39	999	0.00
	12:15	2	2	1	3	2	2	2	3	356	54	39	999	0.00
	12:30	1	2	1	2	2	2	2	3	349	54	40	999	0.00
	12:45	2	2	2	4	3	3	2	2	301	56	39	999	0.00
	13:00	3	3	2	3	2	2	2	2	350	56	38	999	0.00
	13:15	4	5	4	6	4	3	3	2	296	56	38	999	0.00
	13:30	2	2	1	4	2	2	2	2	337	56	35	999	0.00
	13:45	2	2	1	3	1	2	2	2	328	56	36	999	0.00
	14:00	2	2	1	2	1	2	2	3	288	56	34	999	0.00
	14:15	2	1	1	2	1	2	2	2	335	56	34	999	0.00
	14:30	2	2	1	2	1	2	2	2	297	56	36	999	0.00
	14:45	2	2	1	2	1	2	2	1	264	56	35	999	0.00
	15:00	2	2	1	3	1	2	2	2	241	56	38	999	0.00
	15:15	3	3	2	3	2	2	2	2	241	56	36	999	0.00
	15:30	3	4	3	5	4	5	5	3	241	55	38	999	0.00
	15:45	3	4	3	5	3	7	7	3	240	54	40	999	0.00
	16:00	5	5	5	8	8	5	5	2	234	54	42	999	0.00
	16:15	13	12	8	12	10	14	15	1	224	53	49	999	0.00
	16:30	13	13	9	13	11	13	12	1	220	52	49	999	0.00
	16:45	18	20	17	26	25	19	19	2	226	52	54	999	0.00
	17:00	24	23	18	28	28	27	26	1	222	51	56	999	0.00
	17:15	23	20	16	22	21	21	21	1	207	50	57	999	0.00
	17:30	19	19	13	20	18	17	16	1	209	49	54	999	0.00
	17:45	18	19	14	20	19	18	18	1	235	49	51	999	0.00
	18:00	23	23	16	23	21	24	24	1	221	49	64	999	0.00
	18:15	20	18	13	19	18	19	20	1	203	48	62	999	0.00
	18:30	17	17	12	19	18	19	19	1	179	48	64	999	0.00
	18:45	17	17	12	16	18	19	19	3	188	47	64	999	0.00
	19:00	17	16	10	15	15	16	16	3	193	47	68	999	0.00
	19:15	15	15	10	16	13	14	13	3	213	47	67	999	0.00
	19:30	10	11	8	12	12	11	11	2	210	47	63	999	0.00
	19:45	7	8	5	9	9	9	8	3	192	47	67	999	0.00
	20:00	8	7	4	7	7	8	8	2	186	47	65	999	0.00
	20:15	10	9	5	9	8	10	10	2	192	46	65	999	0.00
	20:30	8	8	5	9	8	8	7	3	203	46	62	999	0.00
	20:45	7	7	4	8	7	7	7	2	201	46	62	999	0.00
	21:00	6	5	4	7	6	6	6	2	193	46	62	999	0.00
	21:15	5	5	3	6	6	5	5	2	201	46	65	999	0.00
	21:30	5	4	2	5	5	5	5	2	195	46	66	999	0.00
	21:45	4	4	2	5	5	4	4	3	185	46	69	999	0.00
	22:00	5	4	3	5	5	4	4	2	196	45	67	999	0.00
	22:15	6	5	3	5	5	5	5	2	187	45	70	999	0.00
	22:30	4	4	2	4	5	4	4	2	186	45	68	999	0.00
	22:45	4	4	2	4	4	4	4	3	191	45	67	999	0.00
	23:00	3	3	2	4	3	4	4	2	193	45	64	999	0.00
	23:15	3	3	2	4	3	4	3	2	189	45	66	999	0.00
	23:30	3	3	2	3	4	3	3	3	183	45	65	999	0.00
	23:45	3	3	2	3	3	3	3	2	186	45	67	999	0.00
	00:00	3	3	2	4	3	3	3	2	193	45	65	999	0.00

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

Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	3	3	2	3	3	4	3	2	198	44	63	999	0.00
	00:30	4	4	2	3	3	4	4	3	197	45	65	999	0.00
	00:45	3	4	2	4	3	4	4	3	195	45	64	999	0.00
	01:00	3	3	2	3	3	4	4	2	196	45	64	999	0.00
	01:15	3	3	2	3	3	4	3	2	203	44	68	999	0.00
	01:30	3	3	1	3	3	3	3	2	189	44	71	999	0.00
	01:45	3	3	1	3	3	3	3	2	193	43	71	999	0.00
	02:00	4	3	1	3	3	3	3	2	183	43	74	999	0.00
	02:15	4	4	1	3	3	4	4	2	199	42	64	999	0.00
	02:30	4	4	2	4	3	4	4	3	202	43	64	1000	0.00
	02:45	3	3	1	3	3	3	3	3	204	42	70	1000	0.00
	03:00	3	3	1	3	3	3	3	2	200	42	72	1000	0.00
	03:15	3	3	1	3	3	3	3	2	198	41	72	1000	0.00
	03:30	3	3	1	3	3	3	3	2	199	40	72	999	0.00
	03:45	3	3	1	3	3	3	4	2	205	40	73	1000	0.00
	04:00	3	3	1	3	3	3	3	3	203	40	71	1000	0.00
	04:15	2	3	1	2	3	2	2	3	209	40	71	1000	0.00
	04:30	3	3	1	3	2	3	3	2	207	40	72	1000	0.00
	04:45	3	3	1	2	3	2	2	3	204	40	71	1000	0.00
	05:00	3	3	1	3	3	4	4	3	201	39	72	1000	0.00
	05:15	3	3	1	2	3	3	3	2	196	39	71	1000	0.00
	05:30	2	3	1	3	3	2	2	2	211	39	73	1000	0.00
	05:45	3	3	1	2	3	4	3	2	213	38	74	1000	0.00
	06:00	3	3	1	2	3	3	3	3	214	39	74	1000	0.00
	06:15	3	3	1	3	3	3	3	3	211	38	74	1000	0.00
	06:30	3	3	1	3	3	3	3	2	217	38	75	1000	0.00
	06:45	3	3	1	3	4	3	3	3	220	37	77	1000	0.00
	07:00	4	4	1	3	3	3	3	3	211	37	78	1001	0.00
	07:15	3	3	1	3	3	4	4	3	210	37	76	1001	0.00
	07:30	3	4	2	3	3	3	3	3	220	39	74	1001	0.00
	07:45	7	7	5	6	6	7	7	3	207	41	69	1001	0.00
	08:00	4	4	2	4	4	6	6	3	194	43	64	1001	0.00
	08:15	4	3	1	3	3	4	4	2	204	46	59	1001	0.00
	08:30	3	3	1	3	3	3	3	2	249	47	56	1002	0.00
	08:45	3	3	1	3	3	3	3	3	344	48	55	1002	0.00
	09:00	3	3	1	3	3	3	2	3	335	49	52	1002	0.00
	09:15	2	3	1	3	2	3	2	3	335	50	51	1002	0.00
	09:30	3	2	1	3	3	3	3	3	348	51	48	1002	0.00
	09:45	2	3	1	3	2	3	3	4	355	50	51	1002	0.00
	10:00	2	2	1	3	3	2	2	3	310	52	46	1002	0.00
	10:15	2	2	1	2	3	2	2	3	335	52	42	1002	0.00
	10:30	2	2	1	2	3	2	2	3	341	53	43	1002	0.00
	10:45	2	2	1	2	2	2	2	3	315	54	42	1002	0.00
	11:00	3	2	1	4	2	3	3	3	309	55	39	1002	0.00
	11:15	2	3	1	5	2	3	3	3	241	55	38	1002	0.00
	11:30	2	3	1	3	2	3	2	3	228	55	38	1002	0.00
	11:45	2	2	1	3	2	2	2	4	243	55	37	1002	0.00
11/10/2023	12:00	2	3	1	3	2	3	3	3	304	55	37	1002	0.00
	12:15	2	2	1	2	1	2	2	3	263	56	37	1002	0.00
	12:30	2	2	1	1	1	2	2	2	271	57	36	1002	0.00
	12:45	2	2	1	1	1	2	2	3	341	56	37	1002	0.00
	13:00	2	2	1	1	1	2	2	4	327	55	36	1002	0.00
	13:15	2	2	1	1	2	2	2	4	332	55	38	1002	0.00
	13:30	1	2	1	1	1	2	2	3	301	56	38	1002	0.00
	13:45	1	2	1	1	2	2	2	3	341	55	37	1002	0.00
	14:00	1	2	1	1	2	2	2	3	333	55	38	1002	0.00
	14:15	1	2	1	1	2	2	2	3	329	55	37	1002	0.00
	14:30	1	2	1	1	2	2	2	2	263	56	37	1002	0.00
	14:45	2	2	1	3	2	2	2	2	279	57	37	1002	0.00
	15:00	2	2	1	3	2	2	2	2	307	56	37	1002	0.00
	15:15	2	2	1	4	2	2	2	4	339	55	39	1002	0.00
	15:30	2	2	2	3	3	2	2	3	322	54	38	1002	0.00
	15:45	2	2	2	3	4	3	2	2	336	54	40	1002	0.00
	16:00	2	2	1	3	14	3	2	3	332	52	43	1003	0.00
	16:15	2	2	1	3	10	2	2	2	299	51	44	1003	0.00
	16:30	3	3	3	5	5	3	3	2	305	50	46	1003	0.00
	16:45	3	4	4	8	4	3	3	2	288	49	47	1003	0.00
	17:00	15	16	11	15	5	8	8	1	352	48	49	1003	0.00
	17:15	12	11	7	10	4	10	9	2	259	48	51	1003	0.00
	17:30	5	6	3	5	4	5	4	2	245	47	52	1003	0.00
	17:45	5	5	2	4	4	4	4	2	234	46	53	1004	0.00
	18:00	5	5	3	6	4	5	5	1	167	45	54	1004	0.00
	18:15	5	5	2	4	8	5	4	2	251	45	55	1004	0.00
	18:30	4	4	2	4	5	4	4	1	231	44	56	1004	0.00
	18:45	4	4	2	4	7	4	4	1	216	44	58	1004	0.00
	19:00	4	5	3	6	6	4	4	2	199	43	60	1005	0.00
	19:15	5	5	7	12	5	5	5	1	213	42	61	1005	0.00
	19:30	6	5	3	6	5	5	5	1	224	42	61	1005	0.00
	19:45	6	6	5	8	7	5	5	1	227	42	62	1005	0.00
	20:00	6	6	3	7	6	5	5	1	227	41	63	1005	0.00
	20:15	5	5	3	6	6	4	4	2	209	41	65	1005	0.00
	20:30	5	5	4	7	5	5	5	1	220	40	66	1005	0.00
	20:45	6	6	4	8	5	6	6	1	200	40	67	1006	0.00
	21:00	6	6	4	8	5	5	5	1	203	39	69	1006	0.00
	21:15	6	7	4	6	6	6	6	1	24	39	69	1006	0.00
	21:30	6	6	3	5	6	5	5	1	196	39	70	1006	0.00
	21:45	5	5	3	5	6	5	4	1	124	38	70	1006	0.00
	22:00	5	5	3	5	5	4	4	2	75	38	69	1006	0.00
	22:15	5	5	3	6	6	5	5	1	67	38	70	1006	0.00
	22:30	6	6	4	6	5	6	6	1	114	37	71	1006	0.00
	22:45	6	6	3	6	5	5	5	1	203	37	73	1006	0.00
	23:00	6	6	3	6	6	5	5	1	98	37	73	1006	0.00
	23:15	6	6	4	6	5	5	6	2	82	37	72	1006	0.00
	23:30	5	5	3	5	5	5	5	2	73	38	72	1006	0.00
	23:45	5	5	3	5	5	5	5	2	64	37	73	1006	0.00
	00:00	6	6	3	5	5	5	5	1	77	37	74	1006	0.00

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

Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	5	5	3	5	5	4	5	1	176	36	76	1006	0.00
	00:30	6	5	3	5	5	5	6	1	216	35	78	1006	0.00
	00:45	5	5	3	5	5	5	5	1	192	34	81	1006	0.00
	01:00	5	5	3	4	4	5	5	1	216	34	82	1006	0.00
	01:15	5	5	3	4	4	4	5	2	207	33	85	1006	0.00
	01:30	5	5	3	4	4	4	4	1	203	33	85	1006	0.00
	01:45	4	5	2	4	4	4	4	1	221	32	86	1006	0.00
	02:00	4	4	2	4	4	4	4	2	214	32	88	1006	0.00
	02:15	4	4	2	3	4	4	4	2	203	32	89	1007	0.00
	02:30	4	4	2	4	4	4	4	1	251	31	89	1007	0.00
	02:45	4	4	2	4	5	4	4	1	230	31	90	1007	0.00
	03:00	4	4	2	4	4	4	4	1	227	30	91	1007	0.00
	03:15	4	4	2	4	4	4	4	1	230	30	92	1007	0.00
	03:30	5	4	2	4	4	4	5	1	222	30	93	1007	0.00
	03:45	4	4	2	4	5	4	4	1	242	29	94	1007	0.00
	04:00	4	4	2	4	6	4	4	2	241	29	94	1007	0.00
	04:15	4	4	2	3	6	4	4	2	244	29	94	1007	0.00
	04:30	4	4	2	3	6	4	4	2	253	29	94	1007	0.00
	04:45	5	5	2	4	6	4	5	2	247	29	94	1007	0.00
	05:00	6	6	3	6	6	5	5	2	245	29	94	1007	0.00
	05:15	6	6	3	6	6	6	6	1	245	28	94	1007	0.00
	05:30	6	6	3	6	6	5	6	1	256	28	95	1007	0.00
	05:45	6	6	3	5	7	5	6	1	274	28	95	1007	0.00
	06:00	5	5	2	5	11	5	6	1	230	28	96	1007	0.00
	06:15	6	6	3	5	7	5	6	1	258	28	95	1008	0.00
	06:30	6	5	3	5	6	5	6	1	269	27	96	1008	0.00
	06:45	5	6	3	7	6	5	6	1	234	28	96	1008	0.00
	07:00	9	8	6	9	7	10	11	1	224	28	96	1008	0.00
	07:15	8	7	4	7	5	7	7	1	214	28	96	1008	0.00
	07:30	6	6	3	5	5	5	6	1	220	30	94	1008	0.00
	07:45	6	6	4	5	4	6	6	1	212	34	85	1009	0.00
	08:00	6	7	4	5	4	6	7	1	172	37	77	1009	0.00
	08:15	5	5	4	4	4	4	5	2	107	37	76	1009	0.00
	08:30	5	5	3	4	3	4	5	3	115	38	74	1009	0.00
	08:45	5	5	3	4	3	4	4	3	92	39	74	1009	0.00
	09:00	5	4	3	4	3	4	5	4	95	40	71	1009	0.00
	09:15	4	4	3	3	3	5	4	5	95	42	66	1009	0.00
	09:30	3	3	2	2	3	4	4	5	90	43	62	1009	0.00
	09:45	3	3	2	2	3	3	3	4	119	44	60	1009	0.00
	10:00	3	3	2	2	4	3	3	4	137	43	61	1009	0.00
	10:15	3	2	2	1	7	3	3	4	118	45	56	1009	0.00
	10:30	3	3	2	2	8	3	3	4	124	47	55	1009	0.00
	10:45	3	3	2	3	8	3	3	4	115	47	53	1009	0.00
	11:00	4	4	3	3	9	4	4	3	126	48	51	1009	0.00
	11:15	6	5	4	6	11	6	6	3	163	49	49	1009	0.00
	11:30	7	7	5	6	10	8	8	3	120	49	48	1008	0.00
	11:45	7	7	5	6	10	7	7	3	213	50	48	1008	0.00
11/11/2023	12:00	9	8	6	8	10	9	9	3	128	51	47	1008	0.00
	12:15	10	10	7	9	9	10	10	3	129	51	45	1008	0.00
	12:30	9	9	7	10	9	10	10	3	157	52	45	1007	0.00
	12:45	9	9	7	11	10	10	11	4	115	51	46	1007	0.00
	13:00	9	9	7	10	10	11	11	3	122	52	45	1007	0.00
	13:15	8	8	6	9	10	10	10	4	94	52	45	1007	0.00
	13:30	9	9	7	9	8	10	10	3	167	53	42	1006	0.00
	13:45	10	9	8	10	8	11	11	3	156	54	43	1006	0.00
	14:00	10	10	8	10	8	11	12	3	105	53	42	1006	0.00
	14:15	9	9	7	10	7	11	11	3	86	54	46	1006	0.00
	14:30	8	8	6	9	7	10	10	3	122	54	43	1006	0.00
	14:45	7	7	6	8	7	8	8	3	99	54	42	1006	0.00
	15:00	7	7	6	8	6	9	8	2	154	54	42	1006	0.00
	15:15	7	6	5	7	6	8	8	2	191	55	40	1006	0.00
	15:30	7	7	5	6	6	8	8	2	130	54	42	1006	0.00
	15:45	7	6	5	6	6	7	7	2	124	53	43	1006	0.00
	16:00	6	5	4	6	5	6	6	2	134	52	44	1006	0.00
	16:15	6	6	4	6	6	6	6	3	96	50	47	1006	0.00
	16:30	4	4	3	5	5	6	6	2	128	49	52	1006	0.00
	16:45	5	5	4	5	4	6	6	2	209	48	58	1006	0.00
	17:00	5	5	4	6	4	6	5	2	187	47	52	1006	0.00
	17:15	5	5	4	5	4	5	5	2	194	47	55	1006	0.00
	17:30	5	5	3	4	4	5	5	3	200	46	56	1006	0.00
	17:45	4	4	2	3	4	4	5	2	172	46	55	1006	0.00
	18:00	4	4	3	4	7	4	4	2	190	46	62	1006	0.00
	18:15	4	3	2	3	5	3	3	2	184	46	56	1006	0.00
	18:30	4	4	3	3	4	4	4	1	184	46	55	1006	0.00
	18:45	4	4	2	3	3	4	4	1	171	45	60	1006	0.00
	19:00	6	7	6	12	3	9	8	2	152	45	57	1006	0.00
	19:15	5	5	3	5	4	6	5	2	149	45	56	1006	0.00
	19:30	4	4	3	4	4	4	4	2	136	46	57	1006	0.00
	19:45	4	4	3	4	5	4	4	2	162	46	56	1006	0.00
	20:00	4	3	2	3	4	4	3	3	181	46	56	1006	0.00
	20:15	4	4	3	3	4	3	4	3	167	46	56	1006	0.00
	20:30	4	4	3	4	4	4	4	3	130	46	57	1006	0.00
	20:45	5	5	3	4	4	5	5	3	125	46	56	1006	0.00
	21:00	4	4	3	4	3	4	4	3	149	46	60	1006	0.00
	21:15	4	4	3	4	3	4	4	2	179	45	59	1006	0.00
	21:30	4	4	2	3	3	4	4	2	187	45	60	1006	0.00
	21:45	4	3	2	3	3	4	4	2	132	45	65	1006	0.00
	22:00	4	3	2	3	4	4	3	2	173	44	62	1006	0.00
	22:15	4	3	2	3	4	3	3	2	167	44	62	1006	0.00
	22:30	4	3	2	3	5	4	4	2	203	44	65	1006	0.00
	22:45	4	3	2	3	3	4	4	3	193	43	66	1007	0.00
	23:00	4	3	2	3	4	4	4	1	175	42	67	1006	0.00
	23:15	4	5	3	4	3	4	4	2	181	42	70	1006	0.00
	23:30	6	5	3	5	4	4	4	3	174	42	72	1006	0.00
	23:45	4	4	2	3	4	4	4	2	162	42	74	1006	0.00
	00:00	4	4	2	3	4	4	4	2	145	42	70	1006	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
11/12/2023	00:15	4	4	2	4	4	3	4	3	167	42	68	1006	0.00
	00:30	4	4	3	4	4	3	4	3	147	43	67	1006	0.00
	00:45	4	4	3	4	3	4	4	2	138	43	63	1006	0.00
	01:00	4	4	3	4	4	4	4	3	150	43	62	1006	0.00
	01:15	4	4	3	4	3	4	4	3	156	43	62	1006	0.00
	01:30	4	4	3	4	3	3	3	3	141	43	63	1006	0.00
	01:45	4	4	3	4	3	3	4	3	158	43	62	1006	0.00
	02:00	4	4	3	4	3	3	3	4	154	43	63	1005	0.00
	02:15	3	3	2	3	3	3	3	3	141	43	63	1005	0.00
	02:30	3	3	2	3	3	3	3	4	129	43	62	1005	0.00
	02:45	3	3	2	3	3	2	3	3	156	43	63	1005	0.00
	03:00	3	3	2	3	3	2	3	3	156	42	64	1006	0.00
	03:15	4	3	2	4	3	2	3	3	154	42	64	1006	0.00
	03:30	3	4	2	3	2	3	3	3	159	42	65	1006	0.00
	03:45	3	4	2	3	3	3	3	3	149	42	66	1006	0.00
	04:00	3	3	2	3	3	2	3	3	150	42	65	1006	0.00
	04:15	3	3	2	3	3	2	3	3	159	42	65	1006	0.00
	04:30	3	3	2	3	3	2	3	2	161	41	67	1006	0.00
	04:45	3	3	2	3	3	2	3	2	150	41	68	1006	0.00
	05:00	3	3	2	3	3	2	3	2	143	40	70	1006	0.00
	05:15	3	3	2	3	3	3	3	2	144	39	71	1006	0.00
	05:30	4	3	2	3	3	2	3	2	166	38	73	1006	0.00
	05:45	3	3	2	3	3	2	3	2	157	38	75	1006	0.00
	06:00	4	3	2	3	3	3	3	2	165	38	75	1006	0.00
	06:15	3	3	2	3	3	3	3	2	180	37	75	1006	0.00
	06:30	4	4	2	3	3	3	3	2	179	37	76	1006	0.00
	06:45	4	4	2	3	3	3	3	2	173	37	75	1006	0.00
	07:00	3	4	2	3	3	3	3	2	173	37	74	1006	0.00
	07:15	3	4	2	3	4	2	3	2	179	37	74	1006	0.00
	07:30	4	3	2	3	4	3	3	3	165	38	71	1006	0.00
	07:45	3	4	2	3	4	3	3	3	161	40	68	1006	0.00
	08:00	4	4	2	4	5	3	3	3	154	42	65	1007	0.00
	08:15	4	4	3	3	5	3	4	3	168	44	62	1007	0.00
	08:30	5	4	3	4	5	3	4	3	166	46	59	1007	0.00
	08:45	5	4	3	5	5	4	4	3	171	47	59	1007	0.00
	09:00	5	5	3	5	4	4	5	3	176	48	57	1007	0.00
	09:15	5	5	3	5	4	5	5	3	195	49	55	1007	0.00
	09:30	5	5	3	5	4	4	5	3	162	50	53	1007	0.00
	09:45	4	4	3	5	4	4	5	4	181	51	53	1007	0.00
	10:00	4	4	3	4	4	4	4	3	199	51	51	1007	0.00
	10:15	4	4	3	4	3	4	4	3	203	52	48	1007	0.00
	10:30	3	4	3	4	3	3	4	4	227	53	47	1007	0.00
	10:45	4	4	3	3	3	3	4	4	226	54	48	1007	0.00
	11:00	4	4	3	4	2	3	4	4	212	54	45	1007	0.00
	11:15	3	3	2	3	2	3	4	3	198	56	43	1006	0.00
	11:30	3	3	2	5	2	3	3	3	209	56	40	1006	0.00
	11:45	3	3	2	3	2	3	3	4	219	57	40	1006	0.00
	12:00	2	2	2	2	2	2	3	3	199	58	41	1006	0.00
	12:15	2	2	2	2	2	2	3	4	221	58	39	1005	0.00
	12:30	2	2	2	2	2	2	3	4	227	58	36	1005	0.00
	12:45	2	2	2	2	1	2	3	3	214	59	37	1005	0.00
	13:00	2	2	2	2	1	2	3	3	230	60	35	1005	0.00
	13:15	2	2	2	2	1	2	3	4	226	60	34	1004	0.00
	13:30	2	2	2	2	2	2	2	3	229	61	32	1004	0.00
	13:45	1	2	1	2	3	2	2	4	216	61	31	1004	0.00
	14:00	1	2	1	1	3	2	2	4	214	61	31	1004	0.00
	14:15	1	2	1	1	3	2	2	4	235	61	30	1004	0.00
	14:30	2	3	2	2	2	2	3	3	226	62	29	1004	0.00
	14:45	3	3	3	3	1	4	4	4	230	62	28	1003	0.00
	15:00	3	3	2	2	1	3	4	3	223	62	29	1003	0.00
	15:15	3	3	2	2	1	3	3	3	230	62	29	1003	0.00
	15:30	2	2	2	2	1	3	3	3	211	62	30	1003	0.00
	15:45	1	2	1	1	1	2	2	3	218	62	31	1003	0.00
	16:00	1	2	1	2	1	1	2	3	221	60	34	1003	0.00
	16:15	1	2	1	2	1	1	2	2	234	59	33	1003	0.00
	16:30	1	2	1	2	2	1	2	2	236	57	33	1004	0.00
	16:45	1	2	1	2	2	1	2	2	228	56	37	1004	0.00
	17:00	1	2	1	2	2	1	2	2	229	55	40	1004	0.00
	17:15	2	2	1	2	2	1	2	2	230	53	39	1004	0.00
	17:30	2	2	1	2	2	2	2	2	231	53	42	1004	0.00
	17:45	2	2	1	2	2	2	2	2	223	52	45	1004	0.00
	18:00	2	2	1	2	2	2	2	1	213	51	48	1004	0.00
	18:15	2	2	1	2	2	2	2	1	226	50	48	1004	0.00
	18:30	2	2	1	2	2	2	2	1	182	49	50	1004	0.00
	18:45	2	2	1	2	3	2	2	2	176	48	51	1004	0.00
	19:00	2	2	1	3	3	2	2	3	194	47	57	1004	0.00
	19:15	2	2	1	2	3	2	3	2	184	46	56	1004	0.00
	19:30	2	3	1	3	3	2	2	2	176	45	57	1004	0.00
	19:45	3	3	2	3	3	2	3	2	174	44	61	1004	0.00
	20:00	3	3	2	3	3	2	3	2	175	44	59	1004	0.00
	20:15	3	3	2	3	3	3	3	2	185	45	58	1004	0.00
	20:30	4	3	2	3	3	3	3	3	189	45	65	1004	0.00
	20:45	4	4	2	4	3	3	3	2	197	44	66	1004	0.00
	21:00	3	4	2	3	3	3	3	3	194	44	65	1005	0.00
	21:15	3	3	2	3	4	3	3	2	192	44	61	1005	0.00
	21:30	3	4	2	3	4	3	4	2	181	44	63	1005	0.00
	21:45	3	4	2	3	4	3	4	2	201	44	64	1005	0.00
	22:00	4	4	2	3	3	4	4	2	201	44	64	1005	0.00
	22:15	3	4	2	4	3	3	3	3	183	44	60	1005	0.00
	22:30	4	4	2	4	3	3	4	3	181	44	61	1005	0.00
	22:45	4	4	2	4	3	3	4	3	180	44	58	1005	0.00
	23:00	4	4	2	4	3	3	4	3	186	45	61	1005	0.00
	23:15	3	3	2	4	3	3	4	3	180	45	59	1005	0.00
	23:30	3	3	2	3	3	3	3	3	200	45	55	1005	0.00
	23:45	3	3	2	3	3	3	3	2	188	45	57	1005	0.00
	00:00	3	3	2	3	3	3	3	3	188	44	58	1005	0.00

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

Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	3	3	2	3	3	3	3	4	192	45	53	1005	0.00
	00:30	3	3	2	3	3	4	3	3	194	45	54	1005	0.00
	00:45	3	3	2	3	3	3	3	3	196	44	54	1005	0.00
	01:00	3	3	2	3	3	3	3	3	190	43	58	1005	0.00
	01:15	3	3	2	3	3	3	3	3	191	43	60	1005	0.00
	01:30	3	3	2	3	3	3	3	3	187	43	61	1005	0.00
	01:45	3	3	2	3	3	3	3	3	188	43	61	1005	0.00
	02:00	3	3	2	3	3	3	3	3	194	42	64	1005	0.00
	02:15	3	3	1	2	3	3	3	3	202	42	66	1005	0.00
	02:30	3	3	2	2	4	3	3	3	194	41	67	1005	0.00
	02:45	3	3	2	3	4	3	3	3	191	41	69	1005	0.00
	03:00	4	3	2	3	4	4	4	2	195	40	70	1005	0.00
	03:15	4	3	2	3	4	3	3	2	199	40	72	1005	0.00
	03:30	4	4	2	3	4	4	4	2	205	41	67	1005	0.00
	03:45	4	4	2	4	4	4	4	2	202	40	72	1005	0.00
	04:00	4	4	2	4	5	4	4	2	205	39	69	1005	0.00
	04:15	4	4	3	4	5	4	4	2	201	39	70	1005	0.00
	04:30	5	4	3	4	5	4	4	2	197	40	69	1005	0.00
	04:45	5	4	3	4	7	4	4	2	202	40	65	1005	0.00
	05:00	5	5	3	4	6	5	4	2	199	40	69	1006	0.00
	05:15	5	5	3	5	5	5	5	3	205	40	69	1006	0.00
	05:30	7	6	3	5	5	5	5	3	214	40	67	1006	0.00
	05:45	6	6	4	6	6	6	6	2	203	40	68	1006	0.00
	06:00	5	5	3	5	6	5	5	2	205	39	69	1006	0.00
	06:15	5	5	3	5	5	5	5	2	206	40	70	1006	0.00
	06:30	5	5	3	5	5	5	5	2	209	40	71	1006	0.00
	06:45	6	5	3	5	4	6	6	2	207	40	71	1006	0.00
	07:00	6	7	3	5	5	6	6	2	211	41	70	1006	0.00
	07:15	5	5	3	4	5	5	5	2	214	42	68	1006	0.00
	07:30	5	5	2	4	5	5	5	2	215	44	65	1007	0.00
	07:45	5	5	2	4	6	5	4	2	228	46	62	1007	0.00
	08:00	5	5	2	5	6	5	5	2	269	48	59	1007	0.00
	08:15	5	5	2	6	5	5	5	2	331	49	57	1007	0.00
	08:30	6	5	3	6	4	6	5	2	330	51	54	1007	0.00
	08:45	6	5	3	6	4	6	6	2	322	53	52	1008	0.00
	09:00	5	5	3	7	3	6	5	2	335	54	51	1008	0.00
	09:15	5	4	2	5	3	5	5	2	356	56	48	1008	0.00
	09:30	4	4	2	4	3	5	5	2	357	57	47	1008	0.00
	09:45	4	4	2	4	2	4	4	3	356	57	47	1008	0.00
	10:00	3	3	2	4	2	4	4	2	350	59	44	1008	0.00
	10:15	3	3	2	2	3	3	3	3	11	60	42	1008	0.00
	10:30	3	3	2	3	4	4	4	2	296	62	38	1008	0.00
	10:45	2	2	1	2	4	2	2	2	4	64	35	1008	0.00
	11:00	1	1	1	1	5	2	2	2	344	64	34	1008	0.00
	11:15	5	5	4	5	0	3	3	3	355	66	31	1008	0.00
	11:30	3	6	4	5	0	3	3	3	356	65	30	1008	0.00
	11:45	4	4	5	9	0	4	3	3	351	66	29	1007	0.00
11/13/2023	12:00	3	5	5	6	0	2	2	4	342	66	27	1007	0.00
	12:15	0	1	1	1	0	1	1	3	345	68	27	1007	0.00
	12:30	0	1	1	0	0	1	1	5	13	66	26	1007	0.00
	12:45	0	1	1	1	0	1	1	5	10	66	26	1007	0.00
	13:00	0	1	1	0	0	1	1	4	5	66	26	1007	0.00
	13:15	0	1	1	0	0	1	1	4	343	67	26	1007	0.00
	13:30	0	1	1	1	0	1	1	3	327	68	24	1006	0.00
	13:45	0	1	1	1	0	1	1	4	347	67	25	1006	0.00
	14:00	0	1	1	1	1	1	1	3	350	67	24	1006	0.00
	14:15	0	1	1	1	1	1	1	3	338	68	24	1006	0.00
	14:30	0	1	1	1	0	1	1	3	350	68	23	1006	0.00
	14:45	0	1	1	1	1	1	1	3	335	67	24	1006	0.00
	15:00	2	2	2	2	1	1	2	3	333	67	25	1006	0.00
	15:15	1	1	1	1	2	2	2	4	3	66	23	1006	0.00
	15:30	0	1	1	1	1	1	1	3	330	66	24	1006	0.00
	15:45	1	1	1	1	1	1	1	3	332	66	24	1006	0.00
	16:00	1	1	1	1	2	3	3	2	314	65	26	1006	0.00
	16:15	3	3	1	3	3	3	3	2	325	63	26	1006	0.00
	16:30	1	2	1	1	3	3	3	1	286	62	28	1006	0.00
	16:45	2	2	0	3	2	3	2	2	298	60	30	1006	0.00
	17:00	4	4	2	4	2	4	4	1	290	59	32	1006	0.00
	17:15	3	3	1	4	3	4	4	1	255	57	39	1006	0.00
	17:30	2	3	1	3	4	3	3	1	251	54	37	1007	0.00
	17:45	3	2	1	3	5	2	2	1	278	53	37	1007	0.00
	18:00	3	3	1	2	3	3	3	1	242	52	47	1007	0.00
	18:15	3	4	1	3	4	3	3	1	217	50	44	1007	0.00
	18:30	3	4	3	5	3	4	4	1	211	49	45	1007	0.00
	18:45	4	4	2	4	4	3	3	2	181	48	48	1007	0.00
	19:00	3	3	1	3	4	4	3	3	197	46	55	1007	0.00
	19:15	3	3	1	3	3	4	4	3	191	45	57	1007	0.00
	19:30	3	3	1	4	3	3	3	2	182	44	67	1007	0.00
	19:45	3	3	1	3	5	4	3	2	191	43	60	1007	0.00
	20:00	3	4	2	4	5	3	3	2	195	43	54	1007	0.00
	20:15	3	4	2	4	7	3	3	2	193	43	53	1007	0.00
	20:30	5	4	2	4	7	4	4	2	185	43	56	1007	0.00
	20:45	9	7	3	5	8	6	6	3	194	43	61	1007	0.00
	21:00	8	7	4	6	9	7	7	2	185	42	60	1007	0.00
	21:15	7	7	4	7	9	7	7	2	190	42	63	1007	0.00
	21:30	7	7	5	8	10	6	6	1	199	42	59	1007	0.00
	21:45	7	8	5	8	13	7	7	2	195	42	60	1007	0.00
	22:00	8	8	5	9	16	7	7	2	192	42	64	1007	0.00
	22:15	9	9	6	10	18	8	8	1	182	40	70	1007	0.00
	22:30	9	10	7	12	17	9	9	2	195	39	76	1007	0.00
	22:45	12	13	8	14	16	11	11	2	189	38	80	1007	0.00
	23:00	15	15	10	17	16	13	13	2	202	37	82	1007	0.00
	23:15	14	15	10	18	15	15	16	2	198	37	83	1007	0.00
	23:30	15	16	11	18	13	14	14	2	210	37	82	1007	0.00
	23:45	16	16	11	18	20	16	15	2	200	37	80	1007	0.00
	00:00	14	16	10	16	19	15	15	3	194	36	84	1007	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	15	15	10	16	16	15	14	3	194	36	85	1007	0.00
	00:30	16	15	9	15	20	15	16	2	202	35	85	1007	0.00
	00:45	17	15	8	14	18	20	20	1	201	35	83	1007	0.00
	01:00	30	22	10	15	17	29	29	2	192	34	84	1007	0.00
	01:15	26	18	12	17	14	30	29	2	209	34	82	1007	0.00
	01:30	22	22	16	26	17	29	29	1	208	33	83	1007	0.00
	01:45	23	20	13	19	16	20	20	1	214	33	85	1007	0.00
	02:00	17	17	10	17	20	16	17	1	164	33	86	1007	0.00
	02:15	14	15	9	15	13	14	14	1	165	33	88	1007	0.00
	02:30	14	14	9	15	14	13	13	2	188	33	88	1007	0.00
	02:45	18	18	11	17	14	17	17	2	199	32	88	1007	0.00
	03:00	20	19	10	17	19	16	17	1	194	32	91	1007	0.00
	03:15	14	14	7	13	16	13	13	1	158	33	91	1007	0.00
	03:30	13	14	9	14	23	13	13	2	183	33	89	1007	0.00
	03:45	18	17	14	22	18	14	15	1	178	32	88	1007	0.00
	04:00	18	16	10	17	9	18	18	1	154	33	90	1007	0.00
	04:15	13	14	8	14	8	15	16	1	160	33	89	1007	0.00
	04:30	15	16	10	15	11	21	21	1	162	33	87	1007	0.00
	04:45	11	10	6	11	11	17	17	1	140	33	88	1007	0.00
	05:00	9	8	5	9	12	9	9	1	112	33	89	1007	0.00
	05:15	7	8	4	8	8	7	7	1	205	34	82	1007	0.00
	05:30	8	8	5	8	11	9	9	1	252	34	84	1007	0.00
	05:45	8	9	6	10	10	10	10	1	188	33	81	1007	0.00
	06:00	11	10	5	8	8	12	11	1	136	33	80	1007	0.00
	06:15	7	7	4	8	12	8	8	1	176	33	80	1007	0.00
	06:30	9	9	5	9	8	9	10	1	171	33	79	1007	0.00
	06:45	9	10	5	9	6	10	10	2	178	33	78	1007	0.00
	07:00	8	8	5	10	6	8	9	1	152	33	79	1007	0.00
	07:15	8	8	5	9	4	11	11	1	186	34	77	1007	0.00
	07:30	8	7	4	8	5	8	8	1	213	35	74	1007	0.00
	07:45	6	6	4	7	6	5	6	1	193	39	64	1007	0.00
	08:00	5	5	3	6	5	5	5	2	180	43	60	1007	0.00
	08:15	4	4	3	5	3	4	5	2	178	46	50	1007	0.00
	08:30	5	5	3	4	3	4	4	2	173	49	49	1007	0.00
	08:45	6	6	4	7	3	5	6	2	157	51	46	1007	0.00
	09:00	4	4	2	4	3	5	4	3	151	52	44	1007	0.00
	09:15	3	3	2	3	3	3	3	2	117	54	40	1007	0.00
	09:30	3	3	2	4	3	3	3	3	146	56	39	1007	0.00
	09:45	3	3	2	3	3	3	3	3	168	57	36	1007	0.00
	10:00	3	3	2	4	3	3	3	4	151	58	35	1007	0.00
	10:15	3	3	2	3	2	4	4	3	205	59	33	1007	0.00
	10:30	4	4	3	4	2	4	4	4	189	60	34	1007	0.00
	10:45	4	4	2	5	2	5	5	3	181	60	33	1007	0.00
	11:00	3	4	2	4	2	4	4	5	227	61	32	1007	0.00
	11:15	3	3	2	3	2	4	4	4	207	61	31	1006	0.00
	11:30	3	3	2	2	2	4	3	5	214	62	30	1006	0.00
	11:45	2	2	2	2	2	3	3	5	227	62	29	1006	0.00
11/14/2023	12:00	2	3	2	2	2	3	3	4	202	63	31	1005	0.00
	12:15	2	2	2	2	2	3	3	5	225	63	28	1005	0.00
	12:30	2	2	2	2	2	3	3	4	214	63	28	1005	0.00
	12:45	2	2	1	2	2	3	3	4	216	64	28	1004	0.00
	13:00	2	2	2	2	1	3	3	4	215	64	27	1004	0.00
	13:15	2	2	1	2	1	3	3	3	218	65	27	1004	0.00
	13:30	2	2	1	2	2	3	3	3	221	65	27	1004	0.00
	13:45	1	2	1	2	1	2	2	3	224	65	26	1004	0.00
	14:00	1	2	1	2	1	2	2	4	230	65	26	1003	0.00
	14:15	2	2	1	2	1	2	2	4	212	65	25	1003	0.00
	14:30	2	2	2	2	1	3	3	3	213	65	26	1003	0.00
	14:45	2	2	1	2	1	2	2	3	223	66	26	1003	0.00
	15:00	2	2	1	2	1	2	2	4	227	65	28	1003	0.00
	15:15	1	2	1	2	1	2	2	3	225	65	27	1003	0.00
	15:30	2	2	1	1	3	2	2	2	225	65	25	1002	0.00
	15:45	1	2	1	1	3	2	2	3	228	65	27	1002	0.00
	16:00	1	2	1	2	4	2	2	2	208	62	28	1002	0.00
	16:15	2	2	1	2	6	3	3	2	226	61	30	1002	0.00
	16:30	8	7	2	5	3	6	7	2	223	60	32	1002	0.00
	16:45	6	4	1	3	2	12	11	1	231	58	34	1002	0.00
	17:00	6	3	1	3	4	10	11	1	223	56	37	1002	0.00
	17:15	5	3	1	3	5	9	9	1	233	54	39	1002	0.00
	17:30	5	3	1	4	7	7	7	1	211	52	40	1002	0.00
	17:45	4	2	1	2	7	3	3	1	178	51	43	1002	0.00
	18:00	6	8	5	8	5	2	2	1	183	49	47	1002	0.00
	18:15	6	7	5	8	4	3	3	2	183	48	48	1002	0.00
	18:30	6	6	3	6	4	5	5	2	206	47	52	1002	0.00
	18:45	5	5	3	5	6	5	5	3	200	46	59	1002	0.00
	19:00	4	4	2	5	5	4	4	3	195	45	57	1002	0.00
	19:15	3	4	2	4	4	3	3	2	182	45	53	1002	0.00
	19:30	3	4	2	4	3	4	4	2	166	45	56	1002	0.00
	19:45	4	4	2	4	3	7	7	1	158	45	54	1002	0.00
	20:00	5	3	1	3	4	9	10	2	187	45	56	1002	0.00
	20:15	4	3	1	3	3	5	5	2	181	46	49	1002	0.00
	20:30	2	2	1	3	4	4	3	3	188	46	51	1002	0.00
	20:45	2	2	1	3	5	3	3	2	182	45	52	1002	0.00
	21:00	3	3	2	4	6	3	3	2	184	44	56	1002	0.00
	21:15	3	2	1	3	5	4	4	3	191	44	56	1002	0.00
	21:30	3	3	1	4	8	7	7	2	197	43	59	1002	0.00
	21:45	3	4	2	5	6	5	5	2	196	42	57	1002	0.00
	22:00	4	4	2	5	5	5	5	2	187	41	62	1001	0.00
	22:15	4	5	3	7	3	4	4	2	185	40	61	1001	0.00
	22:30	6	8	5	9	3	6	6	3	185	40	67	1001	0.00
	22:45	6	5	3	6	3	6	6	2	179	39	64	1001	0.00
	23:00	5	4	2	4	3	5	5	2	193	39	69	1001	0.00
	23:15	4	4	1	4	3	4	4	2	174	39	66	1001	0.00
	23:30	3	3	2	4	3	3	3	2	177	39	67	1001	0.00
	23:45	3	4	2	4	3	3	3	2	179	39	66	1001	0.00
	00:00	4	4	2	4	3	3	3	2	182	39	65	1001	0.00

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Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
11/15/2023	00:15	4	4	2	4	4	3	3	2	185	39	66	1001	0.00
	00:30	4	4	2	4	3	3	3	2	174	39	67	1001	0.00
	00:45	4	4	2	4	3	3	3	2	177	38	66	1001	0.00
	01:00	4	4	2	4	4	3	4	2	178	39	64	1001	0.00
	01:15	4	4	2	4	4	3	4	2	174	39	67	1001	0.00
	01:30	4	4	2	4	4	3	4	2	180	39	65	1001	0.00
	01:45	4	4	3	5	4	3	3	2	171	40	64	1001	0.00
	02:00	4	4	3	4	4	3	4	2	178	39	63	1001	0.00
	02:15	4	4	2	3	4	3	4	2	195	40	70	1001	0.00
	02:30	5	5	2	3	5	5	6	2	203	39	72	1001	0.00
	02:45	5	5	3	5	5	7	7	2	197	37	73	1001	0.00
	03:00	5	5	2	3	4	5	5	2	211	37	77	1001	0.00
	03:15	6	6	3	4	5	6	7	2	207	37	72	1001	0.00
	03:30	6	6	3	5	6	6	6	2	200	37	78	1001	0.00
	03:45	5	6	3	5	6	6	6	3	196	37	77	1001	0.00
	04:00	5	5	2	5	5	5	5	2	200	36	79	1001	0.00
	04:15	6	5	3	5	5	5	5	2	197	36	80	1001	0.00
	04:30	4	4	2	3	4	4	4	2	190	36	80	1001	0.00
	04:45	4	4	2	3	3	3	3	2	204	35	80	1001	0.00
	05:00	4	5	3	5	4	3	3	2	204	34	79	1001	0.00
	05:15	7	7	4	6	4	4	4	2	203	34	80	1001	0.00
	05:30	5	5	3	5	4	4	4	3	204	35	77	1001	0.00
	05:45	4	4	2	4	4	3	4	2	209	35	79	1001	0.00
	06:00	4	5	3	5	5	4	4	2	211	34	77	1001	0.00
	06:15	6	6	4	7	5	4	4	2	205	34	79	1001	0.00
	06:30	4	6	3	6	7	5	5	2	215	34	82	1001	0.00
	06:45	5	5	2	5	5	5	5	2	205	34	81	1001	0.00
	07:00	5	5	2	4	5	4	5	2	204	34	82	1001	0.00
	07:15	6	5	2	4	4	5	5	3	212	35	77	1002	0.00
	07:30	5	5	2	4	4	4	4	3	198	37	77	1002	0.00
	07:45	5	6	3	5	4	4	4	2	195	39	73	1002	0.00
	08:00	7	6	3	5	5	5	5	3	193	42	67	1002	0.00
	08:15	8	7	4	6	6	7	7	3	191	45	62	1002	0.00
	08:30	9	8	5	7	8	8	9	3	196	47	55	1002	0.00
	08:45	8	7	4	7	8	8	8	3	218	49	53	1002	0.00
	09:00	7	6	4	7	7	7	7	3	225	51	50	1002	0.00
	09:15	6	6	4	6	7	6	6	3	232	53	47	1002	0.00
	09:30	5	6	4	6	6	6	6	5	247	55	46	1002	0.00
	09:45	6	5	3	5	6	5	5	4	239	56	42	1003	0.00
	10:00	6	6	4	6	6	5	5	5	242	58	41	1002	0.00
	10:15	5	5	3	5	5	5	5	4	232	59	40	1002	0.00
	10:30	5	5	3	5	5	5	5	4	245	61	38	1002	0.00
	10:45	5	5	3	6	5	5	5	4	241	62	39	1002	0.00
	11:00	5	5	3	5	5	5	5	4	241	63	38	1002	0.00
	11:15	5	5	3	4	5	5	5	4	213	63	37	1002	0.00
	11:30	4	5	3	4	5	5	5	4	234	64	37	1001	0.00
	11:45	4	4	3	4	4	5	5	4	241	66	35	1001	0.00
	12:00	4	4	3	4	4	5	5	4	237	67	35	1001	0.00
	12:15	4	4	3	3	4	5	5	4	234	68	34	1001	0.00
	12:30	3	4	3	3	4	4	4	5	234	68	34	1001	0.00
	12:45	3	4	2	3	3	4	4	4	236	69	33	1000	0.00
	13:00	3	4	2	4	4	4	4	4	225	70	33	1000	0.00
	13:15	4	5	3	5	4	5	5	4	210	70	33	1000	0.00
	13:30	4	5	3	5	5	5	5	4	227	70	32	1000	0.00
	13:45	3	4	3	3	4	5	4	4	233	71	31	1000	0.00
	14:00	3	4	3	3	4	4	4	3	215	71	31	1000	0.00
	14:15	3	4	3	3	3	5	5	3	227	71	31	1000	0.00
	14:30	8	5	3	4	3	4	5	4	232	71	29	1000	0.00
	14:45	3	3	2	2	3	4	4	3	234	71	29	1000	0.00
	15:00	3	3	2	3	3	4	4	3	244	71	29	1000	0.00
	15:15	3	3	2	3	4	4	4	3	239	71	30	1000	0.00
	15:30	3	3	2	3	3	4	4	3	222	70	30	1000	0.00
	15:45	2	3	2	3	3	5	5	3	231	70	31	1000	0.00
	16:00	3	3	2	3	3	4	4	2	230	68	34	1000	0.00
	16:15	4	4	2	3	4	4	4	2	234	67	37	1000	0.00
	16:30	5	5	3	5	5	5	5	1	236	64	41	1000	0.00
	16:45	4	4	3	5	5	5	5	1	242	62	42	1000	0.00
	17:00	5	7	3	7	6	5	6	1	230	60	46	1000	0.00
	17:15	18	28	20	36	34	38	42	1	217	58	47	1000	0.00
	17:30	62	49	27	54	54	89	88	1	240	57	50	1000	0.00
	17:45	70	61	36	62	57	103	109	1	226	56	53	1000	0.00
	18:00	94	77	38	70	105	183	178	1	234	55	56	1001	0.00
	18:15	123	88	47	85	76	142	136	1	220	54	55	1001	0.00
	18:30	69	54	32	54	66	102	98	1	206	52	59	1001	0.00
	18:45	41	30	16	27	35	60	59	1	209	51	58	1001	0.00
	19:00	24	17	11	19	22	25	24	1	201	50	62	1001	0.00
	19:15	28	17	11	18	17	37	39	1	212	50	62	1001	0.00
	19:30	32	17	10	16	16	42	40	1	207	50	63	1001	0.00
	19:45	26	16	10	17	16	20	21	1	201	49	63	1001	0.00
	20:00	20	16	10	16	16	17	17	1	181	48	66	1001	0.00
	20:15	18	15	10	15	16	14	13	1	198	48	65	1001	0.00
	20:30	15	14	9	14	15	13	14	2	204	48	66	1001	0.00
	20:45	14	12	8	14	14	13	13	2	190	47	67	1001	0.00
	21:00	12	11	7	11	13	12	12	2	185	47	68	1001	0.00
	21:15	12	12	6	10	12	12	12	2	189	47	68	1001	0.00
	21:30	11	10	6	10	11	10	10	2	192	46	67	1001	0.00
	21:45	9	9	5	9	10	9	9	2	187	47	66	1001	0.00
	22:00	9	8	5	8	10	10	10	2	188	47	66	1001	0.00
	22:15	9	8	5	8	10	11	11	2	190	47	66	1001	0.00
	22:30	9	9	5	9	12	11	12	2	188	47	67	1001	0.00
	22:45	9	9	5	9	12	11	11	2	191	46	68	1000	0.00
	23:00	10	10	6	9	11	10	10	3	181	46	70	1000	0.00
	23:15	10	9	6	9	9	10	10	3	179	45	71	1000	0.00
	23:30	9	8	5	8	8	8	9	3	186	45	71	1000	0.00
	23:45	9	8	4	8	8	9	10	3	192	45	71	1000	0.00
	00:00	9	8	4	8	8	12	13	3	192	46	69	1000	0.00

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Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
11/16/2023	00:15	13	9	4	7	8	18	19	3	196	47	67	1000	0.00
	00:30	14	10	6	10	13	20	20	3	186	47	68	1000	0.00
	00:45	7	7	4	8	7	12	12	3	179	46	70	1000	0.00
	01:00	6	7	4	7	7	6	6	3	179	45	71	1000	0.00
	01:15	6	7	4	7	7	7	7	2	185	45	72	1000	0.00
	01:30	7	8	4	7	7	9	9	2	177	45	72	1000	0.00
	01:45	14	14	7	10	18	18	19	3	197	46	73	1000	0.00
	02:00	17	15	10	14	19	24	23	3	199	47	69	1000	0.00
	02:15	13	11	6	10	12	19	19	2	176	48	70	1000	0.00
	02:30	15	13	7	11	14	21	20	3	203	48	70	1000	0.00
	02:45	11	11	8	13	15	15	15	3	219	48	68	1000	0.00
	03:00	10	11	7	11	11	11	11	3	224	49	68	1000	0.00
	03:15	11	12	8	12	13	10	11	2	191	49	69	1000	0.00
	03:30	11	12	8	11	12	12	12	2	209	48	70	1000	0.00
	03:45	10	11	7	11	11	11	11	3	210	48	70	1000	0.00
	04:00	10	11	7	11	11	10	10	3	222	49	70	1000	0.00
	04:15	11	11	7	11	11	10	10	3	217	48	72	1000	0.00
	04:30	11	11	7	11	11	10	10	3	221	48	73	1000	0.00
	04:45	11	12	8	12	11	10	10	2	215	48	75	999	0.00
	05:00	11	13	8	12	11	10	10	3	209	48	76	999	0.00
	05:15	11	12	8	12	12	11	11	3	185	47	78	999	0.00
	05:30	11	12	7	12	12	11	11	3	174	46	80	999	0.00
	05:45	10	11	7	11	11	11	10	3	181	44	84	999	0.00
	06:00	11	11	7	11	11	10	10	2	180	45	84	999	0.00
	06:15	12	12	7	11	12	11	12	3	171	43	86	999	0.00
	06:30	9	12	6	11	11	10	10	2	172	43	88	999	0.00
	06:45	10	11	6	10	11	10	10	3	176	43	89	999	0.00
	07:00	9	10	6	11	11	10	9	3	174	43	91	999	0.00
	07:15	9	10	5	10	10	9	9	3	187	44	90	999	0.00
	07:30	11	11	6	12	11	10	10	3	180	44	89	999	0.00
	07:45	11	11	8	12	13	11	11	3	205	47	88	999	0.00
	08:00	7	8	5	8	9	10	9	3	223	49	85	999	0.00
	08:15	7	8	5	8	8	7	7	4	220	51	83	999	0.00
	08:30	7	8	5	8	8	7	7	4	217	52	82	999	0.00
	08:45	7	8	6	9	7	7	7	4	221	54	79	999	0.00
	09:00	7	8	5	8	7	7	7	3	229	56	77	999	0.00
	09:15	7	8	5	8	7	7	6	4	227	57	77	999	0.00
	09:30	7	8	5	10	7	7	7	4	223	58	75	998	0.00
	09:45	7	7	5	9	7	7	7	5	224	59	73	998	0.00
	10:00	6	6	4	8	6	7	6	4	224	60	69	998	0.00
	10:15	4	5	3	6	5	5	5	4	228	62	66	998	0.00
	10:30	3	4	2	5	4	5	4	6	225	62	67	997	0.00
	10:45	3	4	2	4	4	4	3	5	216	63	65	997	0.00
	11:00	3	3	2	3	4	4	3	6	223	63	64	996	0.00
	11:15	2	4	2	3	3	4	3	6	233	64	63	996	0.00
	11:30	2	3	2	2	3	3	3	6	222	64	62	996	0.00
	11:45	2	3	1	2	3	3	3	5	223	65	61	995	0.00
	12:00	2	4	2	3	3	3	3	6	220	65	61	995	0.00
	12:15	2	3	2	3	3	3	3	6	217	66	60	995	0.00
	12:30	2	3	2	3	3	3	3	6	219	66	60	994	0.00
	12:45	2	3	2	3	3	4	3	6	237	66	60	994	0.00
	13:00	2	3	2	3	3	3	3	6	223	66	60	993	0.00
	13:15	2	3	2	3	3	3	3	6	219	67	57	993	0.00
	13:30	2	3	1	3	3	3	3	6	219	67	56	993	0.00
	13:45	2	3	1	3	2	3	3	7	229	67	57	993	0.00
	14:00	2	3	1	3	3	3	3	6	216	68	55	992	0.00
	14:15	2	3	1	4	3	3	3	6	223	68	54	992	0.00
	14:30	2	3	1	3	3	3	3	6	217	68	56	992	0.00
	14:45	2	3	1	3	3	3	3	5	222	67	56	992	0.00
	15:00	2	3	1	3	3	3	3	4	222	67	56	991	0.00
	15:15	2	3	1	2	3	3	3	4	215	67	56	991	0.00
	15:30	2	3	1	2	3	4	3	5	210	67	57	991	0.00
	15:45	2	3	1	3	3	4	3	4	215	67	57	991	0.00
	16:00	2	3	1	3	3	4	3	5	208	67	58	991	0.00
	16:15	2	3	1	4	4	3	3	4	219	66	59	991	0.00
	16:30	2	3	2	5	4	3	3	4	222	66	60	991	0.00
	16:45	2	3	1	4	4	3	3	4	217	66	60	991	0.00
	17:00	2	4	2	7	5	3	3	4	221	66	61	991	0.00
	17:15	3	6	4	10	10	4	3	4	222	65	61	991	0.00
	17:30	2	4	3	8	6	4	3	4	222	65	62	991	0.00
	17:45	3	4	2	7	5	4	4	4	213	65	62	991	0.00
	18:00	2	3	1	6	4	4	3	4	234	65	63	991	0.00
	18:15	2	3	1	3	3	3	3	4	221	65	64	991	0.00
	18:30	2	3	1	4	3	3	3	4	228	65	64	991	0.00
	18:45	2	3	1	5	3	3	3	4	225	65	64	991	0.00
	19:00	2	5	1	4	4	3	3	3	219	65	65	991	0.00
	19:15	2	3	1	4	3	3	3	3	217	64	65	991	0.00
	19:30	2	3	1	3	3	3	3	3	220	64	66	991	0.00
	19:45	2	3	1	4	3	3	3	3	222	64	66	991	0.00
	20:00	2	3	1	4	3	3	3	3	231	63	67	991	0.00
	20:15	2	3	1	4	3	3	3	3	233	63	68	991	0.00
	20:30	2	3	1	4	3	3	3	3	227	63	69	991	0.00
	20:45	2	3	1	4	3	4	3	4	222	63	69	991	0.00
	21:00	3	3	1	3	3	3	3	3	231	63	69	991	0.00
	21:15	3	4	1	4	4	4	3	4	233	63	69	991	0.00
	21:30	3	4	1	4	4	4	3	3	207	63	70	991	0.00
	21:45	3	4	2	4	4	4	4	3	214	62	71	990	0.00
	22:00	3	4	1	4	4	4	4	4	229	62	71	990	0.00
	22:15	3	4	1	4	4	4	4	4	228	62	72	990	0.00
	22:30	3	4	2	4	4	4	4	4	228	62	72	990	0.00
	22:45	3	4	2	4	4	5	4	4	231	62	73	990	0.00
	23:00	4	5	2	5	5	5	5	4	228	62	73	990	0.00
	23:15	5	5	3	5	5	5	5	4	226	61	74	990	0.00
	23:30	4	5	3	5	5	6	5	4	219	61	74	990	0.00
	23:45	5	5	3	5	5	6	5	4	227	61	75	990	0.00
	00:00	5	5	3	5	5	6	6	4	229	61	76	989	0.00

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Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
11/17/2023	00:15	4	5	2	5	6	5	5	4	230	61	76	989	0.00
	00:30	4	5	2	5	5	5	6	4	230	61	77	989	0.00
	00:45	4	6	3	5	5	6	6	5	231	61	76	989	0.00
	01:00	4	5	2	5	5	5	6	5	233	62	76	989	0.00
	01:15	4	5	2	5	5	5	5	5	230	62	77	989	0.00
	01:30	4	5	2	5	5	5	5	5	239	62	77	989	0.00
	01:45	4	6	2	5	5	5	5	5	225	61	78	989	0.00
	02:00	4	5	2	5	5	5	5	4	227	61	78	989	0.00
	02:15	4	5	2	5	5	5	5	5	231	61	79	989	0.00
	02:30	4	5	2	5	5	5	5	4	236	60	80	989	0.00
	02:45	4	5	2	5	5	5	5	4	239	60	81	989	0.00
	03:00	4	5	2	5	5	4	5	4	241	60	82	989	0.00
	03:15	4	5	2	5	5	4	4	3	232	60	83	988	0.00
	03:30	4	5	2	5	5	4	5	3	235	59	83	988	0.00
	03:45	4	5	2	5	5	5	5	3	238	59	83	988	0.00
	04:00	4	5	2	5	5	4	5	3	235	60	83	988	0.00
	04:15	4	5	2	5	5	4	5	4	239	60	84	988	0.00
	04:30	4	5	2	5	5	5	5	4	242	60	84	988	0.00
	04:45	4	5	2	5	5	5	5	4	247	60	84	988	0.00
	05:00	3	5	2	5	4	5	5	3	243	60	87	989	0.00
	05:15	2	4	1	3	3	4	4	3	243	59	91	989	0.00
	05:30	2	3	1	2	3	3	3	2	252	58	93	989	0.00
	05:45	1	3	1	2	3	3	3	2	246	58	93	989	0.01
	06:00	2	3	1	2	2	3	3	1	244	58	93	989	0.00
	06:15	2	3	1	2	2	4	4	2	250	58	93	989	0.00
	06:30	1	2	1	2	2	3	3	2	240	58	93	989	0.00
	06:45	1	2	1	2	2	3	3	2	238	58	93	989	0.00
	07:00	1	2	1	2	2	3	3	1	253	58	93	990	0.00
	07:15	1	2	1	2	2	3	3	1	238	58	93	990	0.00
	07:30	1	2	1	2	2	2	3	1	243	57	93	990	0.00
	07:45	2	3	1	3	2	3	4	1	242	57	92	990	0.00
	08:00	2	3	1	3	2	2	3	2	239	58	89	990	0.00
	08:15	1	3	1	3	3	3	3	2	235	58	89	990	0.00
	08:30	3	4	2	4	4	3	4	3	286	58	75	990	0.00
	08:45	6	7	3	8	7	7	7	5	351	53	74	991	0.00
	09:00	7	7	3	7	7	7	7	4	344	51	76	991	0.00
	09:15	7	7	3	8	7	7	7	4	348	50	73	991	0.00
	09:30	7	7	3	8	8	7	7	4	344	50	71	992	0.00
	09:45	7	7	4	8	7	7	6	4	345	51	70	992	0.00
	10:00	7	7	3	7	7	7	7	4	346	51	69	992	0.00
	10:15	6	7	3	7	8	7	6	3	327	51	68	992	0.00
	10:30	7	8	3	8	8	7	7	3	306	52	69	992	0.00
	10:45	7	7	3	7	7	7	7	4	337	54	63	992	0.00
	11:00	7	7	3	7	8	7	7	3	341	56	58	992	0.00
	11:15	6	6	3	7	7	7	6	4	327	56	59	992	0.00
	11:30	5	6	3	7	7	6	7	5	349	57	58	992	0.00
	11:45	6	6	3	7	7	7	6	3	323	58	53	992	0.00
	12:00	6	6	3	6	7	7	6	3	309	59	52	992	0.00
	12:15	5	6	3	7	6	6	6	4	336	58	53	992	0.00
	12:30	5	5	3	6	6	6	5	4	345	58	52	992	0.00
	12:45	4	5	3	6	6	6	6	4	308	59	49	992	0.00
	13:00	4	5	3	5	5	5	5	3	302	60	48	992	0.00
	13:15	4	5	3	5	5	5	5	4	297	60	48	992	0.00
	13:30	4	5	3	5	4	5	5	3	300	60	47	992	0.00
	13:45	3	4	2	4	4	5	4	4	320	58	49	992	0.00
	14:00	3	4	2	4	4	4	4	4	325	58	47	992	0.00
	14:15	3	4	2	4	3	4	3	4	326	58	46	992	0.00
	14:30	2	3	2	3	3	3	3	4	337	58	45	992	0.00
	14:45	2	3	2	3	3	3	3	4	332	58	47	992	0.00
	15:00	2	3	1	2	3	3	3	3	326	58	44	993	0.00
	15:15	2	3	1	3	3	3	2	5	355	56	44	993	0.00
	15:30	1	3	1	4	2	2	2	4	338	56	44	993	0.00
	15:45	1	2	1	3	2	2	1	4	336	55	45	993	0.00
	16:00	1	2	1	1	1	1	1	4	332	54	45	993	0.00
	16:15	0	2	1	1	1	1	1	4	336	53	46	994	0.00
	16:30	0	1	0	1	1	1	1	3	326	52	48	994	0.00
	16:45	0	1	0	1	1	1	1	3	322	51	49	994	0.00
	17:00	1	2	1	2	2	1	1	2	294	50	51	994	0.00
	17:15	1	2	1	2	2	1	1	2	279	49	53	994	0.00
	17:30	0	1	0	1	1	1	1	2	267	48	54	995	0.00
	17:45	4	5	3	7	4	3	2	2	224	47	55	995	0.00
	18:00	4	5	3	5	4	3	3	3	219	46	57	995	0.00
	18:15	3	3	2	3	3	3	3	2	214	46	58	995	0.00
	18:30	2	3	1	2	2	2	2	2	223	45	58	995	0.00
	18:45	2	2	1	2	2	2	2	2	226	45	59	996	0.00
	19:00	1	2	1	2	2	2	2	2	235	45	59	996	0.00
	19:15	2	3	1	2	2	2	2	2	243	44	59	996	0.00
	19:30	2	2	1	2	2	2	1	2	226	44	59	996	0.00
	19:45	2	3	1	3	2	2	2	2	216	43	59	996	0.00
	20:00	2	3	2	4	3	3	2	2	233	43	58	996	0.00
	20:15	2	3	1	2	2	2	2	1	248	42	57	996	0.00
	20:30	1	2	1	2	2	2	1	1	228	42	57	996	0.00
	20:45	1	2	1	2	2	2	1	2	225	41	58	996	0.00
	21:00	1	2	1	1	2	1	1	1	206	41	59	996	0.00
	21:15	1	2	1	2	2	2	1	1	217	40	59	996	0.00
	21:30	1	2	1	1	2	1	1	1	205	40	59	996	0.00
	21:45	1	2	2	4	2	1	1	1	230	39	60	996	0.00
	22:00	2	2	3	5	3	2	1	1	249	39	61	997	0.00
	22:15	2	2	1	2	2	2	2	1	256	38	61	997	0.00
	22:30	1	2	1	2	2	2	1	1	239	38	61	997	0.00
	22:45	1	2	1	2	2	2	1	1	252	37	61	997	0.00
	23:00	2	3	1	2	2	2	2	2	225	37	61	997	0.00
	23:15	2	3	1	2	2	2	1	2	216	37	62	997	0.00
	23:30	6	3	2	4	3	3	3	1	227	37	61	997	0.00
	23:45	19	16	11	15	10	14	14	2	220	36	63	997	0.00
	00:00	7	9	8	11	11	9	8	2	237	36	63	997	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
11/18/2023	00:15	1	2	1	3	2	2	2	2	231	35	64	997	0.00
	00:30	2	3	1	2	2	2	3	2	228	34	70	997	0.00
	00:45	7	6	2	4	4	4	4	2	227	34	69	997	0.00
	01:00	11	13	4	7	13	10	10	2	222	33	69	997	0.00
	01:15	7	10	3	5	12	12	13	1	228	33	67	997	0.00
	01:30	8	15	5	8	8	8	8	1	224	33	68	997	0.00
	01:45	5	7	3	6	5	5	6	2	227	32	69	997	0.00
	02:00	4	5	2	4	4	5	5	2	229	32	74	997	0.00
	02:15	3	4	2	5	5	4	4	2	221	32	75	997	0.00
	02:30	3	4	2	4	5	4	4	1	247	31	74	997	0.00
	02:45	3	4	2	4	4	4	4	2	253	31	75	997	0.00
	03:00	4	4	2	4	4	4	4	2	258	30	74	997	0.00
	03:15	5	6	3	5	6	5	5	1	258	30	73	997	0.00
	03:30	4	5	3	5	5	4	5	1	250	30	75	997	0.00
	03:45	3	4	2	5	4	4	4	1	253	30	76	997	0.00
	04:00	4	5	5	7	4	4	5	1	242	30	80	997	0.00
	04:15	3	4	3	4	4	4	4	1	239	29	82	997	0.00
	04:30	3	4	2	4	4	4	4	2	240	29	86	997	0.00
	04:45	3	4	2	5	4	3	4	1	256	28	86	997	0.00
	05:00	3	4	2	5	4	4	4	1	246	28	87	997	0.00
	05:15	4	5	2	6	4	4	4	1	248	28	90	997	0.00
	05:30	4	5	2	5	5	4	5	1	219	28	89	997	0.00
	05:45	4	5	2	5	5	5	5	1	254	27	90	997	0.00
	06:00	4	5	2	5	4	4	5	1	275	27	92	998	0.00
	06:15	4	5	2	5	4	4	5	1	251	27	93	998	0.00
	06:30	5	6	3	6	5	5	5	2	249	28	90	998	0.00
	06:45	5	6	3	6	4	5	5	1	248	28	90	998	0.00
	07:00	4	3	3	6	4	5	5	1	264	27	90	998	0.00
	07:15	4	5	3	6	4	4	4	2	257	28	86	998	0.00
	07:30	5	6	3	7	5	5	6	2	242	29	83	998	0.00
	07:45	4	5	3	6	5	5	5	2	230	31	79	998	0.00
	08:00	6	8	10	12	5	5	6	2	217	33	73	999	0.00
	08:15	5	7	4	6	5	5	5	2	216	35	67	999	0.00
	08:30	4	5	3	5	5	4	4	3	230	36	65	999	0.00
	08:45	7	8	6	10	8	6	6	2	216	38	63	999	0.00
	09:00	4	5	3	6	5	5	5	2	204	41	62	999	0.00
	09:15	3	4	2	4	3	4	4	3	197	43	61	999	0.00
	09:30	1	2	1	2	2	3	3	3	199	44	58	999	0.00
	09:45	1	2	1	2	2	3	3	4	195	45	58	999	0.00
	10:00	1	2	1	3	2	3	3	3	191	47	54	999	0.00
	10:15	2	3	1	3	3	3	3	3	227	48	47	999	0.00
	10:30	1	2	1	3	2	3	3	3	230	48	49	999	0.00
	10:45	1	2	1	3	2	2	3	3	223	50	43	998	0.00
	11:00	1	2	1	2	1	2	2	3	241	51	40	998	0.00
	11:15	0	2	1	2	1	2	2	3	217	52	36	998	0.00
	11:30	0	2	1	2	1	2	2	3	257	52	36	998	0.00
	11:45	3	4	3	5	5	6	6	4	239	53	37	997	0.00
	12:00	2	3	2	3	3	3	3	3	236	53	36	997	0.00
	12:15	2	3	2	4	3	4	3	4	232	53	39	997	0.00
	12:30	2	3	2	5	3	4	4	4	221	54	33	997	0.00
	12:45	0	2	1	4	1	2	2	4	214	54	32	996	0.00
	13:00	0	1	1	4	1	2	2	3	225	55	29	996	0.00
	13:15	2	3	2	5	1	3	3	5	234	56	27	996	0.00
	13:30	1	2	1	4	1	3	3	4	233	56	26	996	0.00
	13:45	0	2	1	4	1	2	2	3	241	57	24	996	0.00
	14:00	2	3	2	5	3	4	4	4	237	57	25	996	0.00
	14:15	3	4	3	6	4	6	5	4	235	57	21	996	0.00
	14:30	27	14	7	18	5	7	7	3	238	58	21	995	0.00
	14:45	0	2	1	4	2	3	3	3	233	58	22	995	0.00
	15:00	1	2	1	4	2	2	2	3	230	58	21	995	0.00
	15:15	1	3	2	3	2	3	3	3	231	57	21	995	0.00
	15:30	2	3	2	3	2	3	3	3	238	57	22	995	0.00
	15:45	2	3	2	4	2	3	3	3	242	57	24	995	0.00
	16:00	2	3	1	3	3	4	4	3	238	55	24	995	0.00
	16:15	1	3	2	4	3	3	3	2	240	54	28	995	0.00
	16:30	3	5	2	5	3	5	6	1	224	52	33	995	0.00
	16:45	4	6	2	5	3	6	6	1	215	49	47	995	0.00
	17:00	7	12	3	6	4	4	4	2	213	48	49	995	0.00
	17:15	2	6	3	6	3	3	4	3	203	46	36	995	0.00
	17:30	2	4	1	4	3	4	4	2	199	45	39	995	0.00
	17:45	5	4	2	4	3	4	4	2	202	44	40	995	0.00
	18:00	23	15	7	6	6	14	15	2	209	43	48	995	0.00
	18:15	14	13	5	9	12	17	16	2	205	43	51	995	0.00
	18:30	10	11	6	12	11	15	15	2	199	42	51	995	0.00
	18:45	9	9	5	9	7	12	11	2	188	41	49	995	0.00
	19:00	8	8	3	7	6	10	9	2	199	40	59	995	0.00
	19:15	6	7	5	11	7	7	7	3	184	39	54	995	0.00
	19:30	16	20	15	27	32	20	20	2	193	38	55	995	0.00
	19:45	29	35	23	44	41	44	42	2	197	38	53	995	0.00
	20:00	36	40	24	45	41	35	32	2	206	37	67	995	0.00
	20:15	35	40	24	44	40	32	32	3	201	37	63	995	0.00
	20:30	39	34	22	36	40	41	43	3	190	36	59	995	0.00
	20:45	59	46	21	40	64	66	66	2	200	36	69	995	0.00
	21:00	47	45	23	38	42	41	41	2	199	36	69	995	0.00
	21:15	37	29	17	30	32	35	34	2	207	35	69	995	0.00
	21:30	24	28	16	28	26	25	24	2	206	35	78	995	0.00
	21:45	19	22	11	20	18	17	16	2	211	35	80	995	0.00
	22:00	11	11	6	12	7	8	8	2	210	34	81	995	0.00
	22:15	10	11	7	19	12	7	7	2	215	34	75	995	0.00
	22:30	10	11	5	11	10	11	12	2	209	34	70	995	0.00
	22:45	4	4	2	5	4	5	5	2	207	34	75	995	0.00
	23:00	6	5	2	5	5	6	6	2	212	33	84	995	0.00
	23:15	7	6	3	7	8	7	8	2	207	34	83	995	0.00
	23:30	10	10	4	10	9	10	10	2	209	34	84	995	0.00
	23:45	9	10	5	13	10	7	7	2	203	33	85	995	0.00
	00:00	8	10	5	10	10	8	9	2	185	33	73	995	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
11/15/2023	00:15	4	4	2	4	4	3	3	2	185	39	66	1001	0.00
	00:30	4	4	2	4	3	3	3	2	174	39	67	1001	0.00
	00:45	4	4	2	4	3	3	3	2	177	38	66	1001	0.00
	01:00	4	4	2	4	4	3	4	2	178	39	64	1001	0.00
	01:15	4	4	2	4	4	3	4	2	174	39	67	1001	0.00
	01:30	4	4	2	4	4	3	4	2	180	39	65	1001	0.00
	01:45	4	4	3	5	4	3	3	2	171	40	64	1001	0.00
	02:00	4	4	3	4	4	3	4	2	178	39	63	1001	0.00
	02:15	4	4	2	3	4	3	4	2	195	40	70	1001	0.00
	02:30	5	5	2	3	5	5	6	2	203	39	72	1001	0.00
	02:45	5	5	3	5	5	7	7	2	197	37	73	1001	0.00
	03:00	5	5	2	3	4	5	5	2	211	37	77	1001	0.00
	03:15	6	6	3	4	5	6	7	2	207	37	72	1001	0.00
	03:30	6	6	3	5	6	6	6	2	200	37	78	1001	0.00
	03:45	5	6	3	5	6	6	6	3	196	37	77	1001	0.00
	04:00	5	5	2	5	5	5	5	2	200	36	79	1001	0.00
	04:15	6	5	3	5	5	5	5	2	197	36	80	1001	0.00
	04:30	4	4	2	3	4	4	4	2	190	36	80	1001	0.00
	04:45	4	4	2	3	3	3	3	2	204	35	80	1001	0.00
	05:00	4	5	3	5	4	3	3	2	204	34	79	1001	0.00
	05:15	7	7	4	6	4	4	4	2	203	34	80	1001	0.00
	05:30	5	5	3	5	4	4	4	3	204	35	77	1001	0.00
	05:45	4	4	2	4	4	3	4	2	209	35	79	1001	0.00
	06:00	4	5	3	5	5	4	4	2	211	34	77	1001	0.00
	06:15	6	6	4	7	5	4	4	2	205	34	79	1001	0.00
	06:30	4	6	3	6	7	5	5	2	215	34	82	1001	0.00
	06:45	5	5	2	5	5	5	5	2	205	34	81	1001	0.00
	07:00	5	5	2	4	5	4	5	2	204	34	82	1001	0.00
	07:15	6	5	2	4	4	5	5	3	212	35	77	1002	0.00
	07:30	5	5	2	4	4	4	4	3	198	37	77	1002	0.00
	07:45	5	6	3	5	4	4	4	2	195	39	73	1002	0.00
	08:00	7	6	3	5	5	5	5	3	193	42	67	1002	0.00
	08:15	8	7	4	6	6	7	7	3	191	45	62	1002	0.00
	08:30	9	8	5	7	8	8	9	3	196	47	55	1002	0.00
	08:45	8	7	4	7	8	8	8	3	218	49	53	1002	0.00
	09:00	7	6	4	7	7	7	7	3	225	51	50	1002	0.00
	09:15	6	6	4	6	7	6	6	3	232	53	47	1002	0.00
	09:30	5	6	4	6	6	6	6	5	247	55	46	1002	0.00
	09:45	6	5	3	5	6	5	5	4	239	56	42	1003	0.00
	10:00	6	6	4	6	6	5	5	5	242	58	41	1002	0.00
	10:15	5	5	3	5	5	5	5	4	232	59	40	1002	0.00
	10:30	5	5	3	5	5	5	5	4	245	61	38	1002	0.00
	10:45	5	5	3	6	5	5	5	4	241	62	39	1002	0.00
	11:00	5	5	3	5	5	5	5	4	241	63	38	1002	0.00
	11:15	5	5	3	4	5	5	5	4	213	63	37	1002	0.00
	11:30	4	5	3	4	5	5	5	4	234	64	37	1001	0.00
	11:45	4	4	3	4	4	5	5	4	241	66	35	1001	0.00
	12:00	4	4	3	4	4	5	5	4	237	67	35	1001	0.00
	12:15	4	4	3	3	4	5	5	4	234	68	34	1001	0.00
	12:30	3	4	3	3	4	4	4	5	234	68	34	1001	0.00
	12:45	3	4	2	3	3	4	4	4	236	69	33	1000	0.00
	13:00	3	4	2	4	4	4	4	4	225	70	33	1000	0.00
	13:15	4	5	3	5	4	5	5	4	210	70	33	1000	0.00
	13:30	4	5	3	5	5	5	5	4	227	70	32	1000	0.00
	13:45	3	4	3	3	4	5	4	4	233	71	31	1000	0.00
	14:00	3	4	3	3	4	4	4	3	215	71	31	1000	0.00
	14:15	3	4	3	3	3	5	5	3	227	71	31	1000	0.00
	14:30	8	5	3	4	3	4	5	4	232	71	29	1000	0.00
	14:45	3	3	2	2	3	4	4	3	234	71	29	1000	0.00
	15:00	3	3	2	3	3	4	4	3	244	71	29	1000	0.00
	15:15	3	3	2	3	4	4	4	3	239	71	30	1000	0.00
	15:30	3	3	2	3	3	4	4	3	222	70	30	1000	0.00
	15:45	2	3	2	3	3	5	5	3	231	70	31	1000	0.00
	16:00	3	3	2	3	3	4	4	2	230	68	34	1000	0.00
	16:15	4	4	2	3	4	4	4	2	234	67	37	1000	0.00
	16:30	5	5	3	5	5	5	5	1	236	64	41	1000	0.00
	16:45	4	4	3	5	5	5	5	1	242	62	42	1000	0.00
	17:00	5	7	3	7	6	5	6	1	230	60	46	1000	0.00
	17:15	18	28	20	36	34	38	42	1	217	58	47	1000	0.00
	17:30	62	49	27	54	54	89	88	1	240	57	50	1000	0.00
	17:45	70	61	36	62	57	103	109	1	226	56	53	1000	0.00
	18:00	94	77	38	70	105	183	178	1	234	55	56	1001	0.00
	18:15	123	88	47	85	76	142	136	1	220	54	55	1001	0.00
	18:30	69	54	32	54	66	102	98	1	206	52	59	1001	0.00
	18:45	41	30	16	27	35	60	59	1	209	51	58	1001	0.00
	19:00	24	17	11	19	22	25	24	1	201	50	62	1001	0.00
	19:15	28	17	11	18	17	37	39	1	212	50	62	1001	0.00
	19:30	32	17	10	16	16	42	40	1	207	50	63	1001	0.00
	19:45	26	16	10	17	16	20	21	1	201	49	63	1001	0.00
	20:00	20	16	10	16	16	17	17	1	181	48	66	1001	0.00
	20:15	18	15	10	15	16	14	13	1	198	48	65	1001	0.00
	20:30	15	14	9	14	15	13	14	2	204	48	66	1001	0.00
	20:45	14	12	8	14	14	13	13	2	190	47	67	1001	0.00
	21:00	12	11	7	11	13	12	12	2	185	47	68	1001	0.00
	21:15	12	12	6	10	12	12	12	2	189	47	68	1001	0.00
	21:30	11	10	6	10	11	10	10	2	192	46	67	1001	0.00
	21:45	9	9	5	9	10	9	9	2	187	47	66	1001	0.00
	22:00	9	8	5	8	10	10	10	2	188	47	66	1001	0.00
	22:15	9	8	5	8	10	11	11	2	190	47	66	1001	0.00
	22:30	9	9	5	9	12	11	12	2	188	47	67	1001	0.00
	22:45	9	9	5	9	12	11	11	2	191	46	68	1000	0.00
	23:00	10	10	6	9	11	10	10	3	181	46	70	1000	0.00
	23:15	10	9	6	9	9	10	10	3	179	45	71	1000	0.00
	23:30	9	8	5	8	8	8	9	3	186	45	71	1000	0.00
	23:45	9	8	4	8	8	9	10	3	192	45	71	1000	0.00
	00:00	9	8	4	8	8	12	13	3	192	46	69	1000	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	13	9	4	7	8	18	19	3	196	47	67	1000	0.00
	00:30	14	10	6	10	13	20	20	3	186	47	68	1000	0.00
	00:45	7	7	4	8	7	12	12	3	179	46	70	1000	0.00
	01:00	6	7	4	7	7	6	6	3	179	45	71	1000	0.00
	01:15	6	7	4	7	7	7	7	2	185	45	72	1000	0.00
	01:30	7	8	4	7	7	9	9	2	177	45	72	1000	0.00
	01:45	14	14	7	10	18	18	19	3	197	46	73	1000	0.00
	02:00	17	15	10	14	19	24	23	3	199	47	69	1000	0.00
	02:15	13	11	6	10	12	19	19	2	176	48	70	1000	0.00
	02:30	15	13	7	11	14	21	20	3	203	48	70	1000	0.00
	02:45	11	11	8	13	15	15	15	3	219	48	68	1000	0.00
	03:00	10	11	7	11	11	11	11	3	224	49	68	1000	0.00
	03:15	11	12	8	12	13	10	11	2	191	49	69	1000	0.00
	03:30	11	12	8	11	12	12	12	2	209	48	70	1000	0.00
	03:45	10	11	7	11	11	11	11	3	210	48	70	1000	0.00
	04:00	10	11	7	11	11	10	10	3	222	49	70	1000	0.00
	04:15	11	11	7	11	11	10	10	3	217	48	72	1000	0.00
	04:30	11	11	7	11	11	10	10	3	221	48	73	1000	0.00
	04:45	11	12	8	12	11	10	10	2	215	48	75	999	0.00
	05:00	11	13	8	12	11	10	10	3	209	48	76	999	0.00
	05:15	11	12	8	12	12	11	11	3	185	47	78	999	0.00
	05:30	11	12	7	12	12	11	11	3	174	46	80	999	0.00
	05:45	10	11	7	11	11	11	10	3	181	44	84	999	0.00
	06:00	11	11	7	11	11	10	10	2	180	45	84	999	0.00
	06:15	12	12	7	11	12	11	12	3	171	43	86	999	0.00
	06:30	9	12	6	11	11	10	10	2	172	43	88	999	0.00
	06:45	10	11	6	10	11	10	10	3	176	43	89	999	0.00
	07:00	9	10	6	11	11	10	9	3	174	43	91	999	0.00
	07:15	9	10	5	10	10	9	9	3	187	44	90	999	0.00
	07:30	11	11	6	12	11	10	10	3	180	44	89	999	0.00
	07:45	11	11	8	12	13	11	11	3	205	47	88	999	0.00
	08:00	7	8	5	8	9	10	9	3	223	49	85	999	0.00
	08:15	7	8	5	8	8	7	7	4	220	51	83	999	0.00
	08:30	7	8	5	8	8	7	7	4	217	52	82	999	0.00
	08:45	7	8	6	9	7	7	7	4	221	54	79	999	0.00
	09:00	7	8	5	8	7	7	7	3	229	56	77	999	0.00
	09:15	7	8	5	8	7	7	6	4	227	57	77	999	0.00
	09:30	7	8	5	10	7	7	7	4	223	58	75	998	0.00
	09:45	7	7	5	9	7	7	7	5	224	59	73	998	0.00
	10:00	6	6	4	8	6	7	6	4	224	60	69	998	0.00
	10:15	4	5	3	6	5	5	5	4	228	62	66	998	0.00
	10:30	3	4	2	5	4	5	4	6	225	62	67	997	0.00
	10:45	3	4	2	4	4	4	3	5	216	63	65	997	0.00
	11:00	3	3	2	3	4	4	3	6	223	63	64	996	0.00
	11:15	2	4	2	3	3	4	3	6	233	64	63	996	0.00
	11:30	2	3	2	2	3	3	3	6	222	64	62	996	0.00
	11:45	2	3	1	2	3	3	3	5	223	65	61	995	0.00
11/16/2023	12:00	2	4	2	3	3	3	3	6	220	65	61	995	0.00
	12:15	2	3	2	3	3	3	3	6	217	66	60	995	0.00
	12:30	2	3	2	3	3	3	3	6	219	66	60	994	0.00
	12:45	2	3	2	3	3	4	3	6	237	66	60	994	0.00
	13:00	2	3	2	3	3	3	3	6	223	66	60	993	0.00
	13:15	2	3	2	3	3	3	3	6	219	67	57	993	0.00
	13:30	2	3	1	3	3	3	3	6	219	67	56	993	0.00
	13:45	2	3	1	3	2	3	3	7	229	67	57	993	0.00
	14:00	2	3	1	3	3	3	3	6	216	68	55	992	0.00
	14:15	2	3	1	4	3	3	3	6	223	68	54	992	0.00
	14:30	2	3	1	3	3	3	3	6	217	68	56	992	0.00
	14:45	2	3	1	3	3	3	3	5	222	67	56	992	0.00
	15:00	2	3	1	3	3	3	3	4	222	67	56	991	0.00
	15:15	2	3	1	2	3	3	3	4	215	67	56	991	0.00
	15:30	2	3	1	2	3	4	3	5	210	67	57	991	0.00
	15:45	2	3	1	3	3	4	3	4	215	67	57	991	0.00
	16:00	2	3	1	3	3	4	3	5	208	67	58	991	0.00
	16:15	2	3	1	4	4	3	3	4	219	66	59	991	0.00
	16:30	2	3	2	5	4	3	3	4	222	66	60	991	0.00
	16:45	2	3	1	4	4	3	3	4	217	66	60	991	0.00
	17:00	2	4	2	7	5	3	3	4	221	66	61	991	0.00
	17:15	3	6	4	10	10	4	3	4	222	65	61	991	0.00
	17:30	2	4	3	8	6	4	3	4	222	65	62	991	0.00
	17:45	3	4	2	7	5	4	4	4	213	65	62	991	0.00
	18:00	2	3	1	6	4	4	3	4	234	65	63	991	0.00
	18:15	2	3	1	3	3	3	3	4	221	65	64	991	0.00
	18:30	2	3	1	4	3	3	3	4	228	65	64	991	0.00
	18:45	2	3	1	5	3	3	3	4	225	65	64	991	0.00
	19:00	2	5	1	4	4	3	3	3	219	65	65	991	0.00
	19:15	2	3	1	4	3	3	3	3	217	64	65	991	0.00
	19:30	2	3	1	3	3	3	3	3	220	64	66	991	0.00
	19:45	2	3	1	4	3	3	3	3	222	64	66	991	0.00
	20:00	2	3	1	4	3	3	3	3	231	63	67	991	0.00
	20:15	2	3	1	4	3	3	3	3	233	63	68	991	0.00
	20:30	2	3	1	4	3	3	3	3	227	63	69	991	0.00
	20:45	2	3	1	4	3	4	3	4	222	63	69	991	0.00
	21:00	3	3	1	3	3	3	3	3	231	63	69	991	0.00
	21:15	3	4	1	4	4	4	3	4	233	63	69	991	0.00
	21:30	3	4	1	4	4	4	3	3	207	63	70	991	0.00
	21:45	3	4	2	4	4	4	4	3	214	62	71	990	0.00
	22:00	3	4	1	4	4	4	4	4	229	62	71	990	0.00
	22:15	3	4	1	4	4	4	4	4	228	62	72	990	0.00
	22:30	3	4	2	4	4	4	4	4	228	62	72	990	0.00
	22:45	3	4	2	4	4	5	4	4	231	62	73	990	0.00
	23:00	4	5	2	5	5	5	5	4	228	62	73	990	0.00
	23:15	5	5	3	5	5	5	5	4	226	61	74	990	0.00
	23:30	4	5	3	5	5	6	5	4	219	61	74	990	0.00
	23:45	5	5	3	5	5	6	5	4	227	61	75	990	0.00
	00:00	5	5	3	5	5	6	6	4	229	61	76	989	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
11/17/2023	00:15	4	5	2	5	6	5	5	4	230	61	76	989	0.00
	00:30	4	5	2	5	5	5	6	4	230	61	77	989	0.00
	00:45	4	6	3	5	5	6	6	5	231	61	76	989	0.00
	01:00	4	5	2	5	5	5	6	5	233	62	76	989	0.00
	01:15	4	5	2	5	5	5	5	5	230	62	77	989	0.00
	01:30	4	5	2	5	5	5	5	5	239	62	77	989	0.00
	01:45	4	6	2	5	5	5	5	5	225	61	78	989	0.00
	02:00	4	5	2	5	5	5	5	4	227	61	78	989	0.00
	02:15	4	5	2	5	5	5	5	5	231	61	79	989	0.00
	02:30	4	5	2	5	5	5	5	4	236	60	80	989	0.00
	02:45	4	5	2	5	5	5	5	4	239	60	81	989	0.00
	03:00	4	5	2	5	5	4	5	4	241	60	82	989	0.00
	03:15	4	5	2	5	5	4	4	3	232	60	83	988	0.00
	03:30	4	5	2	5	5	4	5	3	235	59	83	988	0.00
	03:45	4	5	2	5	5	5	5	3	238	59	83	988	0.00
	04:00	4	5	2	5	5	4	5	3	235	60	83	988	0.00
	04:15	4	5	2	5	5	4	5	4	239	60	84	988	0.00
	04:30	4	5	2	5	5	5	5	4	242	60	84	988	0.00
	04:45	4	5	2	5	5	5	5	4	247	60	84	988	0.00
	05:00	3	5	2	5	4	5	5	3	243	60	87	989	0.00
	05:15	2	4	1	3	3	4	4	3	243	59	91	989	0.00
	05:30	2	3	1	2	3	3	3	2	252	58	93	989	0.00
	05:45	1	3	1	2	3	3	3	2	246	58	93	989	0.01
	06:00	2	3	1	2	2	3	3	1	244	58	93	989	0.00
	06:15	2	3	1	2	2	4	4	2	250	58	93	989	0.00
	06:30	1	2	1	2	2	3	3	2	240	58	93	989	0.00
	06:45	1	2	1	2	2	3	3	2	238	58	93	989	0.00
	07:00	1	2	1	2	2	3	3	1	253	58	93	990	0.00
	07:15	1	2	1	2	2	3	3	1	238	58	93	990	0.00
	07:30	1	2	1	2	2	2	3	1	243	57	93	990	0.00
	07:45	2	3	1	3	2	3	4	1	242	57	92	990	0.00
	08:00	2	3	1	3	2	2	3	2	239	58	89	990	0.00
	08:15	1	3	1	3	3	3	3	2	235	58	89	990	0.00
	08:30	3	4	2	4	4	3	4	3	286	58	75	990	0.00
	08:45	6	7	3	8	7	7	7	5	351	53	74	991	0.00
	09:00	7	7	3	7	7	7	7	4	344	51	76	991	0.00
	09:15	7	7	3	8	7	7	7	4	348	50	73	991	0.00
	09:30	7	7	3	8	8	7	7	4	344	50	71	992	0.00
	09:45	7	7	4	8	7	7	6	4	345	51	70	992	0.00
	10:00	7	7	3	7	7	7	7	4	346	51	69	992	0.00
	10:15	6	7	3	7	8	7	6	3	327	51	68	992	0.00
	10:30	7	8	3	8	8	7	7	3	306	52	69	992	0.00
	10:45	7	7	3	7	7	7	7	4	337	54	63	992	0.00
	11:00	7	7	3	7	8	7	7	3	341	56	58	992	0.00
	11:15	6	6	3	7	7	7	6	4	327	56	59	992	0.00
	11:30	5	6	3	7	7	6	7	5	349	57	58	992	0.00
	11:45	6	6	3	7	7	7	6	3	323	58	53	992	0.00
	12:00	6	6	3	6	7	7	6	3	309	59	52	992	0.00
	12:15	5	6	3	7	6	6	6	4	336	58	53	992	0.00
	12:30	5	5	3	6	6	6	5	4	345	58	52	992	0.00
	12:45	4	5	3	6	6	6	6	4	308	59	49	992	0.00
	13:00	4	5	3	5	5	5	5	3	302	60	48	992	0.00
	13:15	4	5	3	5	5	5	5	4	297	60	48	992	0.00
	13:30	4	5	3	5	4	5	5	3	300	60	47	992	0.00
	13:45	3	4	2	4	4	5	4	4	320	58	49	992	0.00
	14:00	3	4	2	4	4	4	4	4	325	58	47	992	0.00
	14:15	3	4	2	4	3	4	3	4	326	58	46	992	0.00
	14:30	2	3	2	3	3	3	3	4	337	58	45	992	0.00
	14:45	2	3	2	3	3	3	3	4	332	58	47	992	0.00
	15:00	2	3	1	2	3	3	3	3	326	58	44	993	0.00
	15:15	2	3	1	3	3	3	2	5	355	56	44	993	0.00
	15:30	1	3	1	4	2	2	2	4	338	56	44	993	0.00
	15:45	1	2	1	3	2	2	1	4	336	55	45	993	0.00
	16:00	1	2	1	1	1	1	1	4	332	54	45	993	0.00
	16:15	0	2	1	1	1	1	1	4	336	53	46	994	0.00
	16:30	0	1	0	1	1	1	1	3	326	52	48	994	0.00
	16:45	0	1	0	1	1	1	1	3	322	51	49	994	0.00
	17:00	1	2	1	2	2	1	1	2	294	50	51	994	0.00
	17:15	1	2	1	2	2	1	1	2	279	49	53	994	0.00
	17:30	0	1	0	1	1	1	1	2	267	48	54	995	0.00
	17:45	4	5	3	7	4	3	2	2	224	47	55	995	0.00
	18:00	4	5	3	5	4	3	3	3	219	46	57	995	0.00
	18:15	3	3	2	3	3	3	3	2	214	46	58	995	0.00
	18:30	2	3	1	2	2	2	2	2	223	45	58	995	0.00
	18:45	2	2	1	2	2	2	2	2	226	45	59	996	0.00
	19:00	1	2	1	2	2	2	2	2	235	45	59	996	0.00
	19:15	2	3	1	2	2	2	2	2	243	44	59	996	0.00
	19:30	2	2	1	2	2	2	1	2	226	44	59	996	0.00
	19:45	2	3	1	3	2	2	2	2	216	43	59	996	0.00
	20:00	2	3	2	4	3	3	2	2	233	43	58	996	0.00
	20:15	2	3	1	2	2	2	2	1	248	42	57	996	0.00
	20:30	1	2	1	2	2	2	1	1	228	42	57	996	0.00
	20:45	1	2	1	2	2	2	1	2	225	41	58	996	0.00
	21:00	1	2	1	1	2	1	1	1	206	41	59	996	0.00
	21:15	1	2	1	2	2	2	1	1	217	40	59	996	0.00
	21:30	1	2	1	1	2	1	1	1	205	40	59	996	0.00
	21:45	1	2	2	4	2	1	1	1	230	39	60	996	0.00
	22:00	2	2	3	5	3	2	1	1	249	39	61	997	0.00
	22:15	2	2	1	2	2	2	2	1	256	38	61	997	0.00
	22:30	1	2	1	2	2	2	1	1	239	38	61	997	0.00
	22:45	1	2	1	2	2	2	1	1	252	37	61	997	0.00
	23:00	2	3	1	2	2	2	2	2	225	37	61	997	0.00
	23:15	2	3	1	2	2	2	1	2	216	37	62	997	0.00
	23:30	6	3	2	4	3	3	3	1	227	37	61	997	0.00
	23:45	19	16	11	15	10	14	14	2	220	36	63	997	0.00
	00:00	7	9	8	11	11	9	8	2	237	36	63	997	0.00

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

Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
11/18/2023	00:15	1	2	1	3	2	2	2	2	231	35	64	997	0.00
	00:30	2	3	1	2	2	2	3	2	228	34	70	997	0.00
	00:45	7	6	2	4	4	4	4	2	227	34	69	997	0.00
	01:00	11	13	4	7	13	10	10	2	222	33	69	997	0.00
	01:15	7	10	3	5	12	12	13	1	228	33	67	997	0.00
	01:30	8	15	5	8	8	8	8	1	224	33	68	997	0.00
	01:45	5	7	3	6	5	5	6	2	227	32	69	997	0.00
	02:00	4	5	2	4	4	5	5	2	229	32	74	997	0.00
	02:15	3	4	2	5	5	4	4	2	221	32	75	997	0.00
	02:30	3	4	2	4	5	4	4	1	247	31	74	997	0.00
	02:45	3	4	2	4	4	4	4	2	253	31	75	997	0.00
	03:00	4	4	2	4	4	4	4	2	258	30	74	997	0.00
	03:15	5	6	3	5	6	5	5	1	258	30	73	997	0.00
	03:30	4	5	3	5	5	4	5	1	250	30	75	997	0.00
	03:45	3	4	2	5	4	4	4	1	253	30	76	997	0.00
	04:00	4	5	5	7	4	4	5	1	242	30	80	997	0.00
	04:15	3	4	3	4	4	4	4	1	239	29	82	997	0.00
	04:30	3	4	2	4	4	4	4	2	240	29	86	997	0.00
	04:45	3	4	2	5	4	3	4	1	256	28	86	997	0.00
	05:00	3	4	2	5	4	4	4	1	246	28	87	997	0.00
	05:15	4	5	2	6	4	4	4	1	248	28	90	997	0.00
	05:30	4	5	2	5	5	4	5	1	219	28	89	997	0.00
	05:45	4	5	2	5	5	5	5	1	254	27	90	997	0.00
	06:00	4	5	2	5	4	4	5	1	275	27	92	998	0.00
	06:15	4	5	2	5	4	4	5	1	251	27	93	998	0.00
	06:30	5	6	3	6	5	5	5	2	249	28	90	998	0.00
	06:45	5	6	3	6	4	5	5	1	248	28	90	998	0.00
	07:00	4	3	3	6	4	5	5	1	264	27	90	998	0.00
	07:15	4	5	3	6	4	4	4	2	257	28	86	998	0.00
	07:30	5	6	3	7	5	5	6	2	242	29	83	998	0.00
	07:45	4	5	3	6	5	5	5	2	230	31	79	998	0.00
	08:00	6	8	10	12	5	5	6	2	217	33	73	999	0.00
	08:15	5	7	4	6	5	5	5	2	216	35	67	999	0.00
	08:30	4	5	3	5	5	4	4	3	230	36	65	999	0.00
	08:45	7	8	6	10	8	6	6	2	216	38	63	999	0.00
	09:00	4	5	3	6	5	5	5	2	204	41	62	999	0.00
	09:15	3	4	2	4	3	4	4	3	197	43	61	999	0.00
	09:30	1	2	1	2	2	3	3	3	199	44	58	999	0.00
	09:45	1	2	1	2	2	3	3	4	195	45	58	999	0.00
	10:00	1	2	1	3	2	3	3	3	191	47	54	999	0.00
	10:15	2	3	1	3	3	3	3	3	227	48	47	999	0.00
	10:30	1	2	1	3	2	3	3	3	230	48	49	999	0.00
	10:45	1	2	1	3	2	2	3	3	223	50	43	998	0.00
	11:00	1	2	1	2	1	2	2	3	241	51	40	998	0.00
	11:15	0	2	1	2	1	2	2	3	217	52	36	998	0.00
	11:30	0	2	1	2	1	2	2	3	257	52	36	998	0.00
	11:45	3	4	3	5	5	6	6	4	239	53	37	997	0.00
	12:00	2	3	2	3	3	3	3	3	236	53	36	997	0.00
	12:15	2	3	2	4	3	4	3	4	232	53	39	997	0.00
	12:30	2	3	2	5	3	4	4	4	221	54	33	997	0.00
	12:45	0	2	1	4	1	2	2	4	214	54	32	996	0.00
	13:00	0	1	1	4	1	2	2	3	225	55	29	996	0.00
	13:15	2	3	2	5	1	3	3	5	234	56	27	996	0.00
	13:30	1	2	1	4	1	3	3	4	233	56	26	996	0.00
	13:45	0	2	1	4	1	2	2	3	241	57	24	996	0.00
	14:00	2	3	2	5	3	4	4	4	237	57	25	996	0.00
	14:15	3	4	3	6	4	6	5	4	235	57	21	996	0.00
	14:30	27	14	7	18	5	7	7	3	238	58	21	995	0.00
	14:45	0	2	1	4	2	3	3	3	233	58	22	995	0.00
	15:00	1	2	1	4	2	2	2	3	230	58	21	995	0.00
	15:15	1	3	2	3	2	3	3	3	231	57	21	995	0.00
	15:30	2	3	2	3	2	3	3	3	238	57	22	995	0.00
	15:45	2	3	2	4	2	3	3	3	242	57	24	995	0.00
	16:00	2	3	1	3	3	4	4	3	238	55	24	995	0.00
	16:15	1	3	2	4	3	3	3	2	240	54	28	995	0.00
	16:30	3	5	2	5	3	5	6	1	224	52	33	995	0.00
	16:45	4	6	2	5	3	6	6	1	215	49	47	995	0.00
	17:00	7	12	3	6	4	4	4	2	213	48	49	995	0.00
	17:15	2	6	3	6	3	3	4	3	203	46	36	995	0.00
	17:30	2	4	1	4	3	4	4	2	199	45	39	995	0.00
	17:45	5	4	2	4	3	4	4	2	202	44	40	995	0.00
	18:00	23	15	7	6	6	14	15	2	209	43	48	995	0.00
	18:15	14	13	5	9	12	17	16	2	205	43	51	995	0.00
	18:30	10	11	6	12	11	15	15	2	199	42	51	995	0.00
	18:45	9	9	5	9	7	12	11	2	188	41	49	995	0.00
	19:00	8	8	3	7	6	10	9	2	199	40	59	995	0.00
	19:15	6	7	5	11	7	7	7	3	184	39	54	995	0.00
	19:30	16	20	15	27	32	20	20	2	193	38	55	995	0.00
	19:45	29	35	23	44	41	44	42	2	197	38	53	995	0.00
	20:00	36	40	24	45	41	35	32	2	206	37	67	995	0.00
	20:15	35	40	24	44	40	32	32	3	201	37	63	995	0.00
	20:30	39	34	22	36	40	41	43	3	190	36	59	995	0.00
	20:45	59	46	21	40	64	66	66	2	200	36	69	995	0.00
	21:00	47	45	23	38	42	41	41	2	199	36	69	995	0.00
	21:15	37	29	17	30	32	35	34	2	207	35	69	995	0.00
	21:30	24	28	16	28	26	25	24	2	206	35	78	995	0.00
	21:45	19	22	11	20	18	17	16	2	211	35	80	995	0.00
	22:00	11	11	6	12	7	8	8	2	210	34	81	995	0.00
	22:15	10	11	7	19	12	7	7	2	215	34	75	995	0.00
	22:30	10	11	5	11	10	11	12	2	209	34	70	995	0.00
	22:45	4	4	2	5	4	5	5	2	207	34	75	995	0.00
	23:00	6	5	2	5	5	6	6	2	212	33	84	995	0.00
	23:15	7	6	3	7	8	7	8	2	207	34	83	995	0.00
	23:30	10	10	4	10	9	10	10	2	209	34	84	995	0.00
	23:45	9	10	5	13	10	7	7	2	203	33	85	995	0.00
	00:00	8	10	5	10	10	8	9	2	185	33	73	995	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	2	7	4	7	7	11	11	2	194	33	75	995	0.00
	00:30	0	9	4	8	7	8	7	2	194	33	77	994	0.00
	00:45	1	10	4	7	11	10	11	2	193	33	80	994	0.00
	01:00	2	11	5	10	12	11	11	2	200	33	85	994	0.00
	01:15	0	10	4	9	7	7	7	2	205	33	84	995	0.00
	01:30	0	6	3	7	6	6	6	2	202	33	85	995	0.00
	01:45	0	6	3	6	5	6	5	2	199	33	87	995	0.00
	02:00	0	6	3	7	6	5	5	2	197	33	86	995	0.00
	02:15	0	8	5	9	9	7	7	2	195	32	74	995	0.00
	02:30	0	6	4	7	7	10	10	2	214	32	81	995	0.00
	02:45	0	8	4	8	7	7	7	2	205	32	81	995	0.00
	03:00	0	12	9	13	11	12	12	2	196	32	72	995	0.00
	03:15	2	9	5	9	9	12	12	2	216	32	81	995	0.00
	03:30	1	11	4	8	8	8	9	2	217	32	87	995	0.00
	03:45	0	7	3	6	6	7	7	2	212	32	81	994	0.00
	04:00	0	7	3	7	6	6	6	2	206	31	82	995	0.00
	04:15	0	7	4	7	7	7	7	1	208	31	87	995	0.00
	04:30	0	7	4	7	7	8	8	2	206	32	88	995	0.00
	04:45	0	8	4	8	8	8	8	2	204	32	86	995	0.00
	05:00	0	7	4	7	7	7	8	2	190	32	76	995	0.00
	05:15	0	6	3	7	7	7	8	1	215	31	76	995	0.00
	05:30	0	7	4	8	7	7	7	1	209	31	80	995	0.00
	05:45	0	6	3	7	6	6	6	1	218	31	76	995	0.00
	06:00	0	8	5	9	8	8	8	1	206	31	73	995	0.00
	06:15	0	8	4	8	8	10	9	2	215	31	81	995	0.00
	06:30	0	8	5	9	9	9	9	1	200	31	68	995	0.00
	06:45	0	9	6	10	8	10	9	2	214	32	80	995	0.00
	07:00	0	9	6	9	8	8	8	2	204	32	75	995	0.00
	07:15	0	8	5	8	7	7	7	1	203	32	75	995	0.00
	07:30	0	8	5	8	7	7	7	2	203	32	79	995	0.00
	07:45	0	7	4	8	7	7	7	1	185	34	71	995	0.00
	08:00	0	7	4	7	7	6	7	2	204	38	66	995	0.00
	08:15	0	7	4	7	7	6	6	2	202	41	61	995	0.00
	08:30	0	7	4	8	7	6	6	3	193	44	53	996	0.00
	08:45	0	7	4	7	7	7	7	3	195	47	48	996	0.00
	09:00	0	7	4	7	7	7	7	3	212	48	41	996	0.00
	09:15	0	6	4	6	6	6	6	3	235	49	38	996	0.00
	09:30	0	6	3	6	5	6	5	3	229	51	35	996	0.00
	09:45	0	5	3	6	5	5	5	2	204	53	35	996	0.00
	10:00	0	5	3	6	4	5	5	2	194	56	34	996	0.00
	10:15	0	5	2	5	4	5	5	2	181	57	33	995	0.00
	10:30	0	5	3	6	4	5	5	2	189	57	32	995	0.00
	10:45	0	5	2	6	4	5	5	2	219	60	31	995	0.00
	11:00	0	5	2	4	4	5	5	3	206	59	32	995	0.00
	11:15	0	5	3	5	4	5	5	3	227	59	32	995	0.00
	11:30	0	4	3	4	4	5	5	3	225	60	31	995	0.00
	11:45	0	4	3	4	4	5	5	2	192	61	29	995	0.00
11/19/2023	12:00	0	4	2	4	4	5	4	2	130	62	29	994	0.00
	12:15	0	4	2	4	4	5	5	3	174	61	31	994	0.00
	12:30	0	7	4	6	5	5	7	3	133	61	32	994	0.00
	12:45	7	15	10	14	8	16	14	3	230	62	31	994	0.00
	13:00	0	7	4	6	8	11	10	2	186	62	32	994	0.00
	13:15	0	6	4	5	6	7	7	2	214	63	30	994	0.00
	13:30	1	7	4	6	7	9	11	2	207	62	31	994	0.00
	13:45	10	21	12	22	21	27	25	2	220	62	33	993	0.00
	14:00	0	6	3	6	6	8	8	3	207	62	30	994	0.00
	14:15	0	8	4	7	7	9	9	2	191	62	30	994	0.00
	14:30	0	6	4	7	6	7	6	2	237	61	32	993	0.00
	14:45	0	4	2	4	4	6	5	2	114	61	33	993	0.00
	15:00	0	4	2	5	3	5	4	2	165	60	33	993	0.00
	15:15	0	3	2	4	3	4	4	1	132	59	35	993	0.00
	15:30	0	4	2	3	3	4	4	1	165	59	34	993	0.00
	15:45	0	3	2	4	3	4	3	1	180	58	36	993	0.00
	16:00	0	3	1	4	3	4	3	1	178	57	37	993	0.00
	16:15	0	3	1	4	3	4	3	1	131	56	39	993	0.00
	16:30	0	3	1	3	2	3	3	1	150	55	40	993	0.00
	16:45	0	2	2	6	2	3	3	1	269	54	43	993	0.00
	17:00	0	5	2	6	5	4	3	1	239	53	46	993	0.00
	17:15	0	6	4	9	8	5	4	1	213	52	47	993	0.00
	17:30	0	7	5	9	7	5	5	1	174	51	49	993	0.00
	17:45	1	13	8	16	11	8	8	1	163	50	51	993	0.00
	18:00	6	16	8	19	10	11	10	1	189	49	54	993	0.00
	18:15	3	12	4	10	8	12	11	1	255	49	56	994	0.00
	18:30	2	10	6	13	8	9	9	1	73	48	54	994	0.00
	18:45	4	16	12	21	14	14	14	2	95	48	65	993	0.00
	19:00	7	18	14	27	22	19	19	1	96	48	52	993	0.00
	19:15	5	16	13	23	21	18	17	1	209	49	54	994	0.00
	19:30	3	14	8	15	14	11	11	2	113	48	57	994	0.00
	19:45	0	10	6	11	10	10	9	2	203	48	55	994	0.00
	20:00	0	9	5	11	9	9	9	1	195	48	55	994	0.00
	20:15	1	12	8	13	13	13	13	2	83	48	60	994	0.00
	20:30	1	13	8	15	15	16	15	1	203	48	61	994	0.00
	20:45	0	11	9	16	15	14	13	1	136	48	59	994	0.00
	21:00	0	8	4	8	9	9	9	2	110	48	50	994	0.00
	21:15	0	6	3	7	7	7	7	1	98	49	52	994	0.00
	21:30	0	7	4	7	7	7	6	1	101	49	52	994	0.00
	21:45	0	6	4	7	7	7	6	1	204	48	57	994	0.00
	22:00	0	6	4	7	7	7	6	1	177	47	56	994	0.00
	22:15	0	7	4	8	8	8	8	1	178	46	55	994	0.00
	22:30	0	8	5	9	9	9	8	2	133	47	56	994	0.00
	22:45	0	8	5	10	9	9	8	2	161	47	53	994	0.00
	23:00	0	8	4	9	8	8	8	2	147	47	57	994	0.00
	23:15	0	8	4	8	8	9	8	2	123	46	64	994	0.00
	23:30	0	8	4	8	8	8	7	2	119	46	57	994	0.00
	23:45	0	7	4	7	7	7	7	3	112	47	55	994	0.00
	00:00	0	7	4	7	7	7	7	2	126	47	55	994	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	2	7	4	7	7	7	6	2	126	47	56	993	0.00
	00:30	2	7	4	7	7	7	7	2	124	47	56	994	0.00
	00:45	2	6	4	7	7	6	6	2	113	47	56	994	0.00
	01:00	2	6	4	6	6	6	6	3	104	47	57	994	0.00
	01:15	2	6	4	7	6	6	6	3	113	46	57	994	0.00
	01:30	2	7	4	7	7	7	6	3	133	46	57	994	0.00
	01:45	2	7	4	7	7	7	6	3	136	47	57	994	0.00
	02:00	3	7	4	7	7	7	7	3	127	46	57	994	0.00
	02:15	3	7	4	7	7	7	7	3	116	46	59	994	0.00
	02:30	3	7	4	7	7	7	7	3	104	46	59	994	0.00
	02:45	2	7	4	7	7	7	6	5	90	46	58	994	0.00
	03:00	2	7	4	7	6	6	6	4	98	47	57	994	0.00
	03:15	2	7	4	7	7	6	6	6	95	47	56	993	0.00
	03:30	3	7	4	7	7	7	7	6	86	47	57	993	0.00
	03:45	3	7	4	8	7	7	7	6	84	47	58	993	0.00
	04:00	3	8	4	8	7	7	7	6	90	47	58	993	0.00
	04:15	3	7	5	8	7	8	7	7	85	47	59	993	0.00
	04:30	3	8	4	8	8	7	7	7	92	47	59	993	0.00
	04:45	3	8	5	8	8	8	8	8	105	47	60	993	0.00
	05:00	4	8	5	8	8	8	8	7	99	47	60	993	0.00
	05:15	4	8	5	8	8	8	8	6	111	47	60	993	0.00
	05:30	4	8	5	8	8	8	8	6	95	47	60	993	0.00
	05:45	4	8	5	9	8	8	8	6	102	47	60	993	0.00
	06:00	5	9	5	9	9	9	9	7	107	47	61	993	0.00
	06:15	5	9	6	10	9	9	9	5	106	46	61	993	0.00
	06:30	5	9	6	10	9	9	9	5	117	46	62	993	0.00
	06:45	5	9	6	10	9	9	9	6	107	46	63	993	0.00
	07:00	5	9	6	10	9	9	9	4	119	46	63	994	0.00
	07:15	5	9	6	9	9	9	9	4	116	46	62	994	0.00
	07:30	4	9	5	10	9	9	8	4	111	46	63	994	0.00
	07:45	4	9	5	9	9	9	8	5	99	46	62	994	0.00
	08:00	2	5	4	6	8	8	8	4	89	47	63	994	0.00
	08:15	3	8	5	9	7	8	8	6	94	47	61	994	0.00
	08:30	2	8	5	8	11	8	6	6	100	48	60	994	0.00
	08:45	1	7	4	7	9	8	8	6	93	48	60	994	0.00
	09:00	1	7	4	6	8	7	6	7	88	49	58	994	0.00
	09:15	1	7	4	6	7	7	6	5	105	49	58	994	0.00
	09:30	1	7	4	6	6	6	6	6	97	50	56	994	0.00
	09:45	0	6	3	7	6	6	6	8	88	50	56	994	0.00
	10:00	0	6	3	7	6	5	5	7	101	50	53	994	0.00
	10:15	0	5	3	5	5	5	5	5	123	52	51	994	0.00
	10:30	0	4	3	5	4	4	4	5	126	52	51	994	0.00
	10:45	0	4	2	5	4	4	4	6	115	52	52	994	0.00
	11:00	0	4	2	5	4	5	4	5	106	52	54	994	0.00
	11:15	0	4	2	4	4	4	4	5	109	52	51	994	0.00
	11:30	0	4	2	5	4	4	4	4	120	51	57	993	0.00
	11:45	6	12	8	13	11	9	9	4	106	50	63	993	0.00
	12:00	0	6	3	6	7	9	8	3	131	50	68	993	0.00
11/20/2023	12:15	4	10	6	11	10	10	10	2	132	49	72	993	0.02
	12:30	3	8	4	8	11	11	11	5	106	48	78	993	0.01
	12:45	0	6	3	6	6	6	6	5	82	48	78	992	0.00
	13:00	0	4	2	4	4	4	4	5	91	48	77	992	0.00
	13:15	0	4	2	5	4	4	4	6	85	48	76	992	0.00
	13:30	0	4	2	4	5	4	4	6	72	48	77	992	0.00
	13:45	0	4	2	4	4	4	4	6	64	48	75	992	0.00
	14:00	0	4	2	5	4	4	4	8	61	49	74	992	0.00
	14:15	0	5	2	5	5	4	4	7	61	50	72	992	0.00
	14:30	0	5	3	5	6	5	5	8	68	50	72	991	0.00
	14:45	0	6	3	6	6	5	5	7	55	49	71	991	0.00
	15:00	0	6	4	6	6	6	6	7	81	49	73	992	0.00
	15:15	0	6	3	7	7	6	6	7	73	49	75	992	0.00
	15:30	0	6	4	7	7	6	6	7	72	49	76	992	0.00
	15:45	0	6	4	7	7	6	6	7	62	49	76	992	0.00
	16:00	0	6	4	7	7	6	6	8	67	49	74	992	0.00
	16:15	1	6	3	7	6	6	6	10	76	49	74	991	0.00
	16:30	1	7	3	8	7	6	6	11	77	48	75	990	0.00
	16:45	0	7	4	7	7	6	6	9	73	48	74	990	0.00
	17:00	1	7	4	7	7	7	6	7	67	48	74	991	0.00
	17:15	1	7	4	7	7	6	7	6	87	49	73	992	0.00
	17:30	1	7	4	7	7	6	6	5	91	49	73	993	0.00
	17:45	0	7	4	7	7	6	6	7	81	48	76	992	0.00
	18:00	1	7	3	7	7	7	6	5	95	48	77	992	0.00
	18:15	0	7	3	7	7	6	6	5	92	48	81	992	0.01
	18:30	1	7	3	7	7	6	7	4	81	47	82	992	0.00
	18:45	0	6	3	7	7	6	6	4	93	47	85	992	0.01
	19:00	0	6	3	6	6	6	6	5	96	46	88	992	0.02
	19:15	0	6	3	6	6	5	5	5	81	46	88	991	0.01
	19:30	0	5	2	6	6	5	5	5	89	47	87	991	0.00
	19:45	0	5	3	6	5	5	5	6	100	47	86	991	0.00
	20:00	0	5	3	6	6	5	5	6	86	47	85	991	0.00
	20:15	0	5	3	6	5	5	5	6	88	47	85	990	0.00
	20:30	0	6	3	6	5	5	5	6	92	47	85	990	0.00
	20:45	0	5	3	5	5	5	5	6	95	47	87	990	0.00
	21:00	0	5	3	6	6	5	6	6	92	47	89	990	0.01
	21:15	0	6	2	6	6	5	5	5	105	46	90	990	0.01
	21:30	0	6	3	6	6	5	6	5	88	46	93	990	0.03
	21:45	0	6	2	7	6	6	6	2	69	46	94	990	0.04
	22:00	0	6	2	6	7	6	6	1	30	46	95	990	0.06
	22:15	0	7	2	7	6	6	6	2	65	45	96	990	0.09
	22:30	0	7	2	8	7	6	7	3	51	45	96	990	0.06
	22:45	1	8	3	8	8	7	7	5	60	45	97	990	0.07
	23:00	1	8	2	8	8	7	8	5	58	45	97	989	0.05
	23:15	1	8	2	9	8	7	7	5	47	45	97	989	0.06
	23:30	1	8	2	8	8	7	8	5	51	45	98	989	0.02
	23:45	1	8	2	8	8	7	7	4	51	45	98	989	0.00
	00:00	0	7	2	7	7	6	7	5	58	45	98	988	0.00

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

Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
11/21/2023	00:15	3	6	2	6	6	6	6	4	59	45	98	988	0.00
	00:30	3	6	2	6	6	5	6	3	60	45	98	988	0.00
	00:45	3	6	2	6	6	5	5	2	65	45	98	988	0.00
	01:00	3	6	2	5	6	5	5	2	68	45	98	988	0.00
	01:15	3	6	2	5	6	5	5	1	68	46	98	988	0.00
	01:30	3	6	2	5	6	5	5	1	131	46	98	988	0.00
	01:45	4	7	2	6	7	6	6	1	71	46	98	988	0.00
	02:00	5	7	3	7	8	7	8	1	178	46	98	988	0.01
	02:15	4	6	2	6	7	5	6	2	94	45	98	988	0.00
	02:30	6	8	2	8	8	7	7	2	138	45	98	988	0.00
	02:45	6	9	3	9	9	8	9	2	169	45	98	988	0.01
	03:00	4	7	2	6	7	6	6	2	216	45	98	988	0.00
	03:15	3	6	2	6	6	5	6	2	156	44	98	988	0.01
	03:30	1	3	1	3	3	3	3	3	211	44	97	988	0.00
	03:45	0	3	1	3	3	3	3	2	222	43	97	988	0.00
	04:00	1	3	1	3	3	3	3	2	323	42	97	988	0.00
	04:15	0	2	1	2	2	2	2	3	228	42	97	988	0.00
	04:30	0	2	1	2	2	2	2	3	212	42	97	989	0.00
	04:45	0	2	1	1	2	2	2	3	219	42	97	989	0.00
	05:00	0	2	1	1	2	1	2	2	223	42	97	989	0.00
	05:15	0	2	1	2	2	2	2	3	211	41	97	989	0.00
	05:30	1	3	1	3	3	2	2	3	208	41	97	989	0.00
	05:45	2	4	1	4	4	3	4	3	199	41	97	989	0.00
	06:00	2	4	1	4	4	4	4	3	187	41	98	989	0.00
	06:15	3	5	2	5	6	5	5	2	204	41	97	989	0.00
	06:30	3	6	2	5	6	5	6	3	199	41	97	990	0.00
	06:45	4	6	2	6	6	6	6	3	194	41	97	990	0.00
	07:00	4	7	2	7	7	6	7	3	197	41	97	990	0.00
	07:15	4	7	2	7	7	6	6	3	204	41	96	990	0.00
	07:30	5	7	3	7	7	6	7	3	192	41	96	990	0.00
	07:45	5	8	3	8	8	7	8	3	204	41	96	991	0.00
	08:00	7	9	3	10	10	9	9	3	203	41	96	991	0.00
	08:15	8	11	4	11	10	9	10	3	204	41	95	990	0.00
	08:30	8	11	4	11	11	9	11	3	203	41	95	990	0.00
	08:45	10	12	5	12	12	11	11	3	195	41	95	991	0.00
	09:00	9	11	5	11	11	10	11	3	206	42	94	991	0.00
	09:15	7	11	5	10	10	9	10	3	201	42	94	991	0.00
	09:30	6	9	4	9	9	7	8	3	203	42	94	991	0.00
	09:45	5	8	4	7	8	7	7	3	205	42	93	991	0.00
	10:00	4	7	4	7	7	6	7	3	196	42	94	991	0.00
	10:15	3	5	3	5	5	5	5	3	215	42	90	991	0.00
	10:30	1	4	2	3	4	3	4	3	223	43	90	991	0.00
	10:45	1	4	3	3	4	3	4	4	208	43	89	991	0.00
	11:00	1	4	2	3	4	3	3	4	206	42	89	991	0.00
	11:15	1	4	2	3	4	3	3	3	210	43	88	992	0.00
	11:30	1	4	2	3	3	3	3	3	208	43	88	992	0.00
	11:45	1	4	2	3	4	4	3	3	218	43	86	992	0.00
	12:00	1	4	2	3	3	4	4	3	217	43	86	992	0.00
	12:15	2	4	3	4	4	4	4	3	221	43	86	992	0.00
	12:30	2	4	3	4	4	3	4	3	214	43	84	992	0.00
	12:45	1	3	2	3	3	3	3	3	207	43	83	992	0.00
	13:00	1	4	2	3	4	3	3	3	233	43	84	992	0.00
	13:15	1	4	3	4	4	3	4	3	234	42	85	992	0.00
	13:30	2	4	3	4	4	4	4	3	215	42	85	992	0.00
	13:45	2	4	3	4	4	4	4	3	220	43	83	992	0.00
	14:00	2	5	3	5	5	4	4	3	209	43	82	992	0.00
	14:15	2	5	4	5	5	4	5	3	211	43	83	992	0.00
	14:30	3	6	4	6	6	6	5	3	203	43	83	992	0.00
	14:45	4	6	5	6	6	6	6	3	211	43	83	992	0.00
	15:00	3	6	5	6	6	6	6	3	220	43	81	992	0.00
	15:15	3	6	4	5	6	5	5	2	204	43	83	992	0.00
	15:30	3	6	4	5	6	5	5	3	210	43	83	992	0.00
	15:45	4	6	4	6	6	5	6	3	223	43	82	993	0.00
	16:00	2	5	4	5	5	4	5	3	243	43	80	993	0.00
	16:15	1	4	3	4	4	4	4	3	239	43	80	993	0.00
	16:30	1	4	2	3	4	3	3	3	225	43	81	993	0.00
	16:45	1	3	2	3	3	3	3	3	258	43	80	993	0.00
	17:00	1	3	2	3	3	3	3	2	259	43	82	994	0.00
	17:15	1	4	2	3	3	3	3	2	212	42	83	994	0.00
	17:30	1	3	2	3	3	3	3	2	215	42	85	994	0.00
	17:45	2	5	3	4	4	3	3	2	215	42	85	995	0.00
	18:00	2	5	3	4	4	4	4	2	209	41	86	995	0.00
	18:15	1	4	2	3	4	3	3	2	199	41	90	995	0.00
	18:30	1	3	2	3	3	2	3	2	190	40	91	995	0.00
	18:45	1	3	2	3	4	4	4	3	192	40	91	995	0.00
	19:00	1	4	2	3	3	3	4	2	197	40	91	995	0.00
	19:15	2	4	2	4	4	5	5	3	200	40	91	995	0.00
	19:30	4	7	4	7	6	7	8	3	202	40	92	995	0.00
	19:45	5	8	5	8	6	8	8	2	196	40	89	995	0.00
	20:00	4	7	5	7	7	7	8	2	196	41	88	995	0.00
	20:15	3	6	4	6	6	6	6	3	203	41	89	995	0.00
	20:30	3	6	4	6	6	6	7	3	203	41	89	995	0.00
	20:45	4	6	4	6	6	6	7	2	199	41	89	996	0.00
	21:00	4	6	4	6	6	7	7	2	208	40	89	996	0.00
	21:15	5	7	4	6	7	6	6	3	218	40	88	996	0.00
	21:30	4	6	4	6	6	5	6	3	240	40	89	996	0.00
	21:45	4	7	4	7	7	5	6	2	218	40	90	996	0.00
	22:00	4	7	3	6	7	5	6	3	216	39	91	996	0.00
	22:15	4	7	3	6	7	6	6	2	214	39	92	996	0.00
	22:30	4	7	3	6	7	6	6	2	216	39	93	996	0.00
	22:45	5	7	3	7	7	6	7	3	218	38	93	996	0.00
	23:00	5	7	3	7	7	6	7	3	214	38	94	995	0.00
	23:15	4	8	3	7	8	7	7	3	212	38	94	995	0.00
	23:30	5	8	3	7	8	7	8	2	207	38	95	996	0.00
	23:45	5	8	3	8	8	7	8	3	212	39	94	996	0.00
	00:00	4	8	3	7	7	7	8	3	209	39	94	996	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	4	7	4	8	8	7	7	2	205	39	94	996	0.00
	00:30	5	9	4	9	9	8	8	2	209	40	92	996	0.00
	00:45	4	9	4	10	9	8	9	2	217	40	91	996	0.00
	01:00	5	9	4	10	9	8	9	3	209	41	91	996	0.00
	01:15	5	9	5	10	9	8	9	3	210	41	90	996	0.00
	01:30	4	9	4	10	9	9	9	2	220	41	90	996	0.00
	01:45	5	10	4	10	10	9	9	2	211	40	91	996	0.00
	02:00	5	10	4	10	10	8	9	2	198	40	91	996	0.00
	02:15	6	10	5	10	10	8	9	2	202	40	91	996	0.00
	02:30	5	10	6	12	10	8	9	2	203	40	91	996	0.00
	02:45	5	9	4	10	10	8	9	2	200	40	91	996	0.00
	03:00	5	9	4	9	9	8	9	2	207	41	90	996	0.00
	03:15	5	9	4	9	9	8	9	2	201	41	90	996	0.00
	03:30	4	9	4	9	9	8	9	2	198	40	90	996	0.00
	03:45	5	9	5	9	9	8	9	2	203	40	90	996	0.00
	04:00	5	9	5	10	9	8	9	2	206	41	90	996	0.00
	04:15	5	9	5	9	9	9	9	2	204	41	90	996	0.00
	04:30	3	7	4	8	8	7	7	2	208	41	90	996	0.00
	04:45	2	7	3	7	7	6	7	2	208	40	90	997	0.00
	05:00	3	7	3	7	7	6	7	2	201	40	90	997	0.00
	05:15	3	7	3	7	7	6	7	2	206	40	90	997	0.00
	05:30	1	6	3	6	6	6	6	2	208	39	91	997	0.00
	05:45	2	6	3	6	6	7	7	3	198	39	92	997	0.00
	06:00	2	7	3	6	6	6	7	3	196	39	92	997	0.00
	06:15	2	7	3	7	6	6	7	3	194	39	92	997	0.00
	06:30	2	7	3	7	7	6	7	2	205	39	92	997	0.00
	06:45	3	7	4	7	7	6	7	2	207	39	91	997	0.00
	07:00	3	8	4	7	8	7	8	2	211	39	90	997	0.00
	07:15	3	8	4	7	8	8	8	3	216	38	91	997	0.00
	07:30	4	8	4	7	8	8	8	3	210	38	92	997	0.00
	07:45	3	7	3	7	7	7	7	3	210	38	92	997	0.00
	08:00	2	6	3	6	6	6	6	3	216	39	89	998	0.00
	08:15	1	5	3	5	5	5	5	3	213	40	87	998	0.00
	08:30	1	6	3	5	5	4	5	3	219	40	86	998	0.00
	08:45	1	5	3	5	5	4	4	3	229	40	86	998	0.00
	09:00	1	5	3	5	4	4	4	2	215	40	85	998	0.00
	09:15	0	5	3	4	4	4	4	3	218	39	85	998	0.00
	09:30	0	4	2	3	4	4	4	3	210	39	86	998	0.00
	09:45	0	4	2	4	4	3	3	3	210	39	85	998	0.00
	10:00	0	4	2	3	4	3	3	4	213	39	85	998	0.00
	10:15	0	4	2	3	4	4	3	3	204	40	84	998	0.00
	10:30	0	4	3	4	4	4	3	3	215	40	85	998	0.00
	10:45	0	4	2	4	4	3	3	3	217	40	84	998	0.00
	11:00	0	4	2	3	4	3	3	3	220	40	84	998	0.00
	11:15	0	4	3	3	4	3	3	3	215	40	82	998	0.00
	11:30	0	4	2	4	3	3	3	2	219	41	82	997	0.00
	11:45	0	4	3	4	4	4	4	3	219	42	79	997	0.00
11/22/2023	12:00	3	8	5	7	8	7	7	3	195	42	77	997	0.00
	12:15	6	9	7	9	8	9	8	2	197	43	76	997	0.00
	12:30	5	10	7	10	10	8	10	3	215	43	78	997	0.00
	12:45	4	7	6	8	7	8	7	4	216	42	76	997	0.00
	13:00	2	6	4	6	6	6	6	3	203	43	75	996	0.00
	13:15	1	5	4	5	5	5	5	4	225	42	74	996	0.00
	13:30	1	5	4	4	5	5	5	5	219	42	77	996	0.00
	13:45	1	5	4	5	5	6	5	5	217	42	77	996	0.00
	14:00	1	5	3	5	5	5	4	4	219	41	77	996	0.00
	14:15	2	5	4	6	5	5	5	4	217	41	78	996	0.00
	14:30	2	6	4	6	6	6	6	4	224	41	78	996	0.00
	14:45	3	6	4	6	6	6	6	5	225	40	79	996	0.00
	15:00	1	6	4	6	6	5	6	5	227	40	80	996	0.00
	15:15	2	6	4	6	6	7	5	5	223	40	79	996	0.00
	15:30	1	5	4	6	6	5	5	5	224	39	79	996	0.00
	15:45	1	5	3	5	5	5	5	4	227	39	79	996	0.00
	16:00	1	5	3	5	5	5	4	5	228	39	80	996	0.00
	16:15	0	4	3	4	4	4	4	5	227	39	80	996	0.00
	16:30	1	4	3	4	4	4	4	4	222	38	80	996	0.00
	16:45	1	4	3	4	4	4	4	4	221	38	81	996	0.00
	17:00	0	5	3	3	4	4	4	3	200	37	84	996	0.00
	17:15	0	4	2	4	4	4	4	2	196	36	86	996	0.00
	17:30	0	4	2	3	4	4	4	2	199	35	88	996	0.00
	17:45	0	4	2	3	4	4	4	2	202	34	89	996	0.00
	18:00	0	4	2	3	4	4	4	2	200	34	90	996	0.00
	18:15	0	4	2	3	4	4	4	2	196	33	91	995	0.00
	18:30	0	4	2	3	4	4	4	2	179	33	93	995	0.00
	18:45	0	5	2	3	5	4	4	2	180	33	93	995	0.00
	19:00	0	5	2	4	5	4	4	2	174	33	93	995	0.00
	19:15	1	5	2	4	5	4	4	2	181	33	94	995	0.00
	19:30	1	5	3	4	5	4	4	2	182	33	92	995	0.00
	19:45	1	6	3	5	6	4	5	2	189	33	92	995	0.00
	20:00	2	6	3	6	6	5	5	2	189	33	91	995	0.00
	20:15	2	6	3	5	7	5	6	2	186	33	93	995	0.00
	20:30	2	6	3	6	7	6	6	2	194	32	94	995	0.00
	20:45	2	7	3	6	7	6	6	2	180	32	95	995	0.00
	21:00	4	8	4	7	7	6	7	3	198	32	93	995	0.00
	21:15	5	9	5	8	8	8	8	3	195	33	92	995	0.00
	21:30	5	10	6	9	9	8	9	3	218	34	90	995	0.00
	21:45	7	11	7	10	10	8	9	4	213	34	89	995	0.00
	22:00	7	12	7	11	11	9	10	4	211	34	89	995	0.00
	22:15	7	13	8	12	12	10	11	4	211	34	88	994	0.00
	22:30	9	14	9	13	13	11	12	3	214	34	88	994	0.00
	22:45	10	15	8	14	14	13	13	4	217	34	89	994	0.00
	23:00	10	15	9	14	14	11	13	4	213	34	88	994	0.00
	23:15	9	15	9	14	14	12	13	4	216	34	89	994	0.00
	23:30	11	15	9	14	14	12	13	4	213	34	89	994	0.00
	23:45	11	16	8	14	14	13	14	3	214	34	89	994	0.00
	00:00	9	15	9	14	14	12	13	4	213	34	89	994	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
11/23/2023	00:15	11	14	8	15	14	13	13	4	212	34	89	994	0.00
	00:30	10	15	9	15	14	13	13	3	207	34	89	994	0.00
	00:45	9	14	8	14	14	11	13	3	209	34	89	993	0.00
	01:00	11	14	7	14	14	12	13	3	225	34	90	994	0.00
	01:15	10	14	8	13	14	12	12	3	220	33	90	994	0.00
	01:30	9	14	7	13	13	11	12	3	208	33	91	994	0.00
	01:45	10	13	7	13	12	10	12	2	210	33	91	994	0.00
	02:00	9	12	6	13	12	11	12	2	207	32	92	994	0.00
	02:15	9	13	6	12	12	11	12	2	201	32	92	994	0.00
	02:30	7	13	7	12	12	11	11	3	200	32	92	994	0.00
	02:45	9	12	6	12	13	10	11	3	210	32	91	994	0.00
	03:00	8	12	6	11	12	10	11	3	204	32	90	994	0.00
	03:15	7	11	6	11	11	9	10	3	201	33	89	993	0.00
	03:30	6	10	6	10	10	9	9	3	209	33	86	993	0.00
	03:45	6	9	5	9	9	8	8	3	218	33	85	993	0.00
	04:00	5	8	5	8	8	7	7	4	221	34	83	993	0.00
	04:15	4	8	5	8	7	7	7	4	219	34	81	993	0.00
	04:30	4	7	5	7	7	6	6	4	220	34	82	993	0.00
	04:45	5	7	5	8	7	6	6	4	217	34	81	993	0.00
	05:00	4	8	5	7	7	6	7	3	210	34	83	993	0.00
	05:15	3	8	4	7	7	6	6	3	204	33	84	993	0.00
	05:30	4	7	4	7	7	6	6	4	212	33	84	993	0.00
	05:45	4	7	4	7	7	6	6	3	215	33	83	993	0.00
	06:00	4	7	4	7	7	6	6	4	215	33	83	993	0.00
	06:15	3	6	4	6	6	6	6	4	225	33	82	994	0.00
	06:30	3	6	4	6	6	5	6	3	207	33	84	994	0.00
	06:45	3	6	3	6	6	5	5	3	212	32	86	994	0.00
	07:00	2	5	3	6	5	5	5	2	212	32	89	994	0.00
	07:15	2	5	3	5	5	4	5	3	220	32	85	994	0.00
	07:30	2	6	3	5	5	5	5	3	217	32	86	994	0.00
	07:45	3	6	3	5	5	5	5	2	218	34	82	994	0.00
	08:00	2	5	3	5	5	5	5	3	212	35	77	994	0.00
	08:15	2	5	4	5	5	4	4	3	223	37	74	994	0.00
	08:30	3	6	4	5	5	4	4	3	225	38	71	995	0.00
	08:45	2	5	3	6	5	4	4	4	231	39	68	995	0.00
	09:00	1	4	3	5	5	4	4	5	236	40	65	995	0.00
	09:15	4	6	4	8	6	5	4	4	220	42	64	995	0.00
	09:30	5	8	5	9	10	11	11	5	226	43	61	995	0.00
	09:45	3	6	4	8	7	8	8	4	212	43	58	995	0.00
	10:00	1	4	2	4	4	5	4	3	222	45	65	995	0.00
	10:15	1	4	3	5	4	5	4	4	205	45	62	996	0.00
	10:30	1	4	2	5	4	4	4	4	205	45	60	996	0.00
	10:45	0	4	2	5	4	5	4	3	241	46	59	996	0.00
	11:00	1	4	2	5	4	4	4	3	298	48	59	996	0.00
	11:15	0	4	2	5	4	4	4	3	315	49	55	996	0.00
	11:30	0	3	2	4	3	4	3	2	345	50	53	996	0.00
	11:45	0	3	2	4	4	4	3	3	338	50	57	996	0.00
	12:00	0	3	2	4	4	4	3	3	348	51	58	996	0.00
	12:15	0	3	2	4	4	4	3	3	329	51	53	996	0.00
	12:30	0	3	2	5	4	4	3	2	300	52	52	996	0.00
	12:45	0	3	2	4	4	4	3	2	290	54	55	996	0.00
	13:00	0	3	2	4	4	4	3	4	9	52	56	995	0.00
	13:15	1	3	2	4	4	4	4	3	350	53	56	996	0.00
	13:30	1	3	2	4	4	4	4	4	1	52	54	996	0.00
	13:45	0	4	2	4	4	4	4	3	329	53	54	996	0.00
	14:00	1	4	2	4	4	5	4	3	326	53	54	996	0.00
	14:15	1	4	3	5	4	5	4	3	343	53	55	996	0.00
	14:30	1	4	3	5	4	5	4	4	347	52	56	996	0.00
	14:45	1	4	3	5	4	5	4	4	354	51	56	996	0.00
	15:00	1	4	3	6	5	5	5	4	356	52	59	997	0.00
	15:15	1	4	3	6	5	6	5	4	6	51	60	997	0.00
	15:30	2	4	3	5	5	6	5	3	3	50	60	997	0.00
	15:45	2	5	3	5	6	6	5	3	7	50	63	997	0.00
	16:00	3	5	3	7	6	5	5	3	7	49	64	997	0.00
	16:15	3	6	4	7	6	6	6	2	328	48	67	998	0.00
	16:30	4	6	4	8	6	6	6	2	278	47	68	998	0.00
	16:45	4	7	4	7	6	6	6	2	238	46	69	998	0.00
	17:00	4	7	4	7	6	6	6	1	197	46	70	998	0.00
	17:15	3	6	4	6	6	6	5	1	206	45	71	998	0.00
	17:30	3	6	4	6	6	6	5	1	185	45	71	998	0.00
	17:45	3	6	3	6	6	5	5	1	70	44	71	998	0.00
	18:00	2	6	3	6	6	5	5	1	82	44	73	999	0.00
	18:15	3	5	3	6	6	5	5	1	70	43	73	999	0.00
	18:30	3	5	3	6	6	5	5	1	33	43	73	999	0.00
	18:45	2	6	4	10	8	6	5	1	40	42	75	999	0.00
	19:00	2	5	3	6	6	5	5	1	17	42	76	999	0.00
	19:15	3	5	3	6	5	5	5	1	228	41	77	999	0.00
	19:30	2	5	3	6	5	5	5	2	17	41	76	999	0.00
	19:45	2	5	3	6	5	5	5	2	7	40	76	999	0.00
	20:00	2	5	3	6	6	5	4	1	38	40	77	999	0.00
	20:15	2	7	6	9	8	5	5	2	39	39	78	999	0.00
	20:30	2	7	4	7	6	6	6	2	15	39	79	999	0.00
	20:45	2	6	3	6	5	5	5	2	21	38	80	1000	0.00
	21:00	2	5	4	7	6	5	5	2	11	38	80	1000	0.00
	21:15	2	5	3	6	6	5	5	2	14	37	81	1000	0.00
	21:30	1	5	3	5	5	5	4	1	322	37	81	1000	0.00
	21:45	2	5	3	5	5	4	4	1	339	37	81	1000	0.00
	22:00	2	5	3	5	5	4	4	1	5	37	82	1001	0.00
	22:15	1	4	3	6	6	4	4	1	3	36	82	1001	0.00
	22:30	2	5	3	6	6	4	4	2	354	36	83	1001	0.00
	22:45	1	5	3	5	5	5	4	1	286	36	84	1001	0.00
	23:00	1	4	2	5	4	4	4	1	282	35	84	1001	0.00
	23:15	1	4	2	5	4	4	4	1	297	35	84	1002	0.00
	23:30	1	4	2	4	4	4	4	2	337	35	84	1002	0.00
	23:45	1	4	2	4	4	4	3	2	334	35	83	1002	0.00
	00:00	1	4	3	5	4	3	3	2	2	35	83	1002	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
11/24/2023	00:15	2	4	3	8	5	3	3	2	354	35	84	1002	0.00
	00:30	2	5	7	13	10	4	4	2	342	35	85	1002	0.00
	00:45	2	7	8	11	9	4	4	1	327	34	85	1003	0.00
	01:00	2	4	2	4	4	3	3	1	321	34	86	1003	0.00
	01:15	2	4	2	4	4	3	4	1	323	34	87	1003	0.00
	01:30	2	4	2	4	4	3	4	2	360	34	87	1003	0.00
	01:45	2	4	2	3	4	4	4	2	6	33	87	1003	0.00
	02:00	2	4	2	3	4	3	3	2	8	33	88	1003	0.00
	02:15	2	4	2	3	3	3	3	3	16	33	88	1003	0.00
	02:30	2	4	2	4	4	3	3	3	6	33	88	1003	0.00
	02:45	2	4	2	4	4	3	4	2	358	33	88	1003	0.00
	03:00	3	5	3	5	5	4	4	2	337	33	88	1003	0.00
	03:15	3	4	2	5	5	4	4	2	343	33	88	1003	0.00
	03:30	2	4	2	5	4	3	4	2	348	33	88	1004	0.00
	03:45	2	4	4	7	6	3	3	3	359	33	87	1004	0.00
	04:00	2	4	4	9	7	3	3	3	355	33	86	1004	0.00
	04:15	2	3	3	5	5	3	3	3	360	33	86	1004	0.00
	04:30	1	3	2	3	3	2	2	2	4	33	86	1004	0.00
	04:45	1	3	2	4	4	2	2	3	5	33	86	1004	0.00
	05:00	0	2	1	2	2	1	2	3	9	33	85	1005	0.00
	05:15	0	2	1	2	2	1	1	2	349	32	85	1005	0.00
	05:30	0	2	1	2	2	1	1	2	338	32	85	1005	0.00
	05:45	0	2	1	2	2	1	1	2	340	32	85	1005	0.00
	06:00	0	1	1	2	2	1	1	2	353	31	85	1006	0.00
	06:15	0	2	1	3	3	1	1	3	354	31	85	1006	0.00
	06:30	0	2	2	4	3	1	1	2	352	31	84	1006	0.00
	06:45	0	1	1	2	2	1	1	4	2	31	83	1006	0.00
	07:00	0	1	1	3	2	1	1	4	4	31	83	1006	0.00
	07:15	0	1	1	2	2	1	1	4	4	31	83	1007	0.00
	07:30	0	1	1	2	1	1	1	5	3	31	83	1007	0.00
	07:45	0	1	1	1	1	1	1	4	0	31	83	1007	0.00
	08:00	0	1	1	1	1	1	1	4	8	31	82	1007	0.00
	08:15	0	1	1	1	1	1	1	4	13	32	80	1007	0.00
	08:30	0	2	1	1	1	1	1	5	18	32	79	1008	0.00
	08:45	0	1	1	1	1	1	1	6	21	33	78	1008	0.00
	09:00	0	2	1	1	1	1	1	5	24	34	77	1008	0.00
	09:15	0	2	1	1	2	1	1	6	30	34	75	1008	0.00
	09:30	0	1	1	1	1	1	1	6	22	35	74	1009	0.00
	09:45	1	2	1	2	2	2	2	6	30	36	73	1009	0.00
	10:00	2	3	1	2	2	2	2	5	29	36	72	1009	0.00
	10:15	1	3	2	2	2	2	2	5	21	37	71	1009	0.00
	10:30	2	3	1	2	2	2	2	6	34	37	72	1009	0.00
	10:45	2	3	1	3	2	2	2	6	34	38	71	1009	0.00
	11:00	1	2	1	3	2	2	2	6	27	38	69	1009	0.00
	11:15	0	2	1	2	2	2	2	6	29	39	68	1009	0.00
	11:30	0	2	1	2	2	2	2	6	27	39	69	1008	0.00
	11:45	0	2	1	2	2	2	2	6	22	40	65	1008	0.00
	12:00	0	2	1	2	2	2	2	7	43	40	65	1008	0.00
	12:15	0	2	1	2	2	2	2	7	48	40	67	1008	0.00
	12:30	1	2	1	3	3	3	3	7	42	40	65	1008	0.00
	12:45	2	3	2	3	3	3	3	6	40	40	64	1008	0.00
	13:00	1	2	2	3	3	3	2	6	38	40	67	1007	0.00
	13:15	1	2	2	3	3	3	3	6	42	40	65	1007	0.00
	13:30	1	2	2	3	3	3	3	6	26	40	64	1007	0.00
	13:45	1	2	1	3	3	3	3	6	32	39	67	1007	0.00
	14:00	2	3	2	3	3	3	3	6	38	39	67	1007	0.00
	14:15	1	3	2	3	3	3	3	5	31	39	66	1007	0.00
	14:30	1	3	2	4	3	3	3	5	30	39	67	1008	0.00
	14:45	2	3	2	3	3	3	3	5	33	39	68	1008	0.00
	15:00	2	4	2	3	3	3	3	5	37	38	68	1008	0.00
	15:15	2	4	2	4	4	3	3	5	29	38	69	1008	0.00
	15:30	4	5	4	7	6	5	5	5	29	38	70	1008	0.00
	15:45	4	6	4	7	7	5	5	3	22	37	70	1008	0.00
	16:00	10	11	8	12	11	10	10	4	38	37	71	1008	0.00
	16:15	3	6	4	6	6	5	5	4	22	36	72	1008	0.00
	16:30	3	5	3	5	6	4	4	3	24	36	73	1008	0.00
	16:45	2	4	3	4	4	3	3	3	22	36	75	1008	0.00
	17:00	1	4	3	4	4	3	3	3	8	35	75	1008	0.00
	17:15	2	4	4	6	5	3	3	3	5	35	75	1008	0.00
	17:30	2	4	4	6	5	3	3	3	12	35	75	1008	0.00
	17:45	1	3	2	3	3	2	3	3	5	34	75	1008	0.00
	18:00	2	4	3	5	4	3	3	3	354	34	74	1009	0.00
	18:15	2	3	3	6	5	3	3	4	358	34	71	1009	0.00
	18:30	1	3	2	3	3	2	2	3	5	33	72	1009	0.00
	18:45	1	3	2	3	3	2	2	2	16	33	72	1009	0.00
	19:00	1	2	1	3	2	2	2	3	7	33	73	1009	0.00
	19:15	1	3	1	3	3	2	2	4	10	33	72	1009	0.00
	19:30	1	3	3	6	4	2	2	3	355	32	71	1009	0.00
	19:45	1	3	4	7	5	2	2	3	360	32	71	1009	0.00
	20:00	1	2	2	4	3	2	2	3	4	32	72	1009	0.00
	20:15	1	3	2	3	3	2	2	3	6	31	73	1009	0.00
	20:30	1	3	2	3	3	2	3	3	357	31	73	1009	0.00
	20:45	1	3	1	3	2	2	2	3	9	31	74	1009	0.00
	21:00	1	3	1	3	3	2	2	4	12	31	75	1008	0.00
	21:15	2	3	2	3	3	3	3	3	14	31	76	1009	0.00
	21:30	1	3	1	3	3	2	3	3	13	31	78	1008	0.00
	21:45	1	3	1	2	2	2	2	3	10	31	80	1008	0.00
	22:00	1	3	1	3	3	2	2	4	20	31	81	1008	0.00
	22:15	1	3	2	4	4	3	3	4	17	31	83	1008	0.00
	22:30	1	3	2	3	3	3	3	3	28	31	82	1008	0.00
	22:45	2	3	2	3	3	3	3	4	38	31	80	1008	0.00
	23:00	1	2	1	2	2	2	2	5	49	31	79	1008	0.00
	23:15	0	2	1	2	2	2	2	5	49	31	78	1008	0.00
	23:30	0	2	1	2	2	2	2	4	54	32	76	1008	0.00
	23:45	1	2	1	2	2	1	2	4	39	32	74	1008	0.00
	00:00	0	2	1	2	2	1	1	4	55	32	74	1008	0.00

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

Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
11/25/2023	00:15	0	1	1	2	2	2	2	4	60	32	73	1008	0.00
	00:30	0	1	1	2	1	1	2	3	60	32	73	1008	0.00
	00:45	0	2	1	2	2	1	2	4	47	32	73	1008	0.00
	01:00	0	1	1	3	2	2	2	4	56	32	73	1008	0.00
	01:15	0	1	1	2	2	1	2	4	63	32	73	1007	0.00
	01:30	0	1	0	2	1	1	1	4	71	32	74	1007	0.00
	01:45	0	1	0	2	1	1	1	5	58	32	74	1007	0.00
	02:00	0	1	1	2	1	1	1	4	57	31	74	1007	0.00
	02:15	0	1	1	2	1	1	1	4	56	31	74	1007	0.00
	02:30	0	1	0	2	1	1	1	4	57	31	74	1007	0.00
	02:45	0	1	0	2	1	1	1	3	61	31	76	1007	0.00
	03:00	0	1	0	1	1	1	1	2	33	31	78	1007	0.00
	03:15	0	1	1	1	1	1	2	3	32	31	78	1007	0.00
	03:30	0	1	1	2	1	1	2	3	34	30	80	1007	0.00
	03:45	0	2	1	2	2	2	2	2	11	30	82	1007	0.00
	04:00	3	2	1	2	2	2	2	2	8	29	83	1007	0.00
	04:15	0	2	1	2	2	2	2	2	38	29	84	1007	0.00
	04:30	0	2	1	2	2	2	2	2	36	29	84	1006	0.00
	04:45	0	2	1	2	2	2	3	2	13	29	84	1006	0.00
	05:00	0	2	1	2	2	2	3	2	13	30	83	1006	0.00
	05:15	0	2	1	3	2	2	3	3	34	30	83	1006	0.00
	05:30	0	3	1	3	2	2	3	3	49	30	82	1006	0.00
	05:45	1	3	2	3	3	3	3	3	49	30	81	1006	0.00
	06:00	1	3	2	3	3	3	3	2	40	30	82	1006	0.00
	06:15	1	3	2	4	3	3	4	2	13	30	82	1006	0.00
	06:30	2	4	2	4	4	3	4	2	23	30	82	1006	0.00
	06:45	2	4	2	4	4	4	4	2	5	29	83	1006	0.00
	07:00	3	5	3	5	4	4	5	2	31	29	84	1006	0.00
	07:15	3	5	3	5	5	4	5	2	360	29	84	1006	0.00
	07:30	3	5	3	5	5	4	5	2	9	29	84	1006	0.00
	07:45	3	5	3	5	5	4	5	2	27	30	83	1006	0.00
	08:00	3	5	3	5	5	4	5	3	40	30	83	1006	0.00
	08:15	2	4	3	5	4	4	5	3	31	30	82	1006	0.00
	08:30	2	4	3	4	4	4	5	2	45	32	76	1006	0.00
	08:45	2	4	3	4	4	4	4	3	45	33	72	1006	0.00
	09:00	2	3	2	4	4	3	4	4	68	33	69	1006	0.00
	09:15	2	3	2	4	3	4	4	3	62	34	64	1006	0.00
	09:30	1	3	2	3	3	3	4	3	120	36	63	1006	0.00
	09:45	1	3	2	3	3	3	4	4	85	35	63	1006	0.00
	10:00	1	3	2	3	4	4	4	3	101	36	62	1006	0.00
	10:15	1	3	2	4	3	4	4	3	58	36	61	1005	0.00
	10:30	1	3	2	3	3	4	4	3	39	37	58	1005	0.00
	10:45	1	3	2	4	4	4	4	3	87	39	57	1005	0.00
	11:00	1	3	2	4	4	4	4	3	60	38	55	1005	0.00
	11:15	1	3	2	5	4	4	4	3	65	40	52	1004	0.00
	11:30	1	3	2	4	4	4	4	2	127	42	51	1004	0.00
	11:45	2	4	2	5	4	4	4	3	93	42	50	1003	0.00
	12:00	2	4	2	5	4	4	4	2	122	42	48	1003	0.00
	12:15	2	4	2	5	4	4	4	2	145	43	48	1003	0.00
	12:30	2	4	3	5	5	5	5	3	60	43	50	1002	0.00
	12:45	2	4	2	4	4	4	5	3	57	42	50	1002	0.00
	13:00	2	4	2	4	4	4	5	2	120	43	50	1002	0.00
	13:15	2	4	3	5	4	4	5	2	60	43	49	1002	0.00
	13:30	4	6	4	6	6	6	7	4	62	43	48	1001	0.00
	13:45	4	5	3	6	5	6	6	2	8	43	47	1001	0.00
	14:00	1	3	2	5	4	5	5	3	38	43	45	1001	0.00
	14:15	1	3	2	4	3	4	4	2	23	44	45	1001	0.00
	14:30	1	3	2	5	3	3	4	2	35	43	47	1000	0.00
	14:45	3	5	3	6	5	5	5	3	57	43	49	1000	0.00
	15:00	2	4	3	6	5	5	5	3	90	42	48	1000	0.00
	15:15	2	4	3	6	4	4	5	2	59	42	48	1000	0.00
	15:30	2	3	2	5	4	4	4	2	69	42	50	1000	0.00
	15:45	2	4	2	4	4	5	5	2	71	41	50	1000	0.00
	16:00	3	5	3	6	5	5	6	3	100	40	51	999	0.00
	16:15	4	6	4	7	7	6	7	2	116	40	52	999	0.00
	16:30	4	6	4	8	6	6	6	2	148	39	53	999	0.00
	16:45	8	9	5	9	6	6	6	2	148	39	54	999	0.00
	17:00	15	11	5	9	6	6	6	2	199	38	65	999	0.00
	17:15	16	8	4	8	6	8	7	2	198	36	60	999	0.00
	17:30	10	5	3	6	4	5	5	2	206	35	62	999	0.00
	17:45	6	6	4	7	5	6	7	2	215	34	71	999	0.00
	18:00	8	8	3	5	6	7	7	2	222	34	68	999	0.00
	18:15	30	25	14	17	13	20	24	2	213	33	74	999	0.00
	18:30	25	20	9	16	17	31	32	1	195	33	69	999	0.00
	18:45	17	21	17	31	29	20	22	1	158	33	67	998	0.00
	19:00	22	35	24	42	41	37	37	1	219	34	66	998	0.00
	19:15	27	32	19	35	30	32	33	2	217	32	83	998	0.00
	19:30	33	31	19	37	30	33	34	1	216	31	74	998	0.00
	19:45	23	18	11	20	20	22	22	1	209	31	70	998	0.00
	20:00	10	10	7	13	11	11	11	1	173	32	68	998	0.00
	20:15	8	10	7	14	11	9	10	1	95	33	69	998	0.00
	20:30	9	11	8	16	13	12	13	1	301	33	70	997	0.00
	20:45	8	10	7	13	12	11	11	1	289	32	70	997	0.00
	21:00	9	9	6	11	10	9	9	1	239	32	70	997	0.00
	21:15	8	11	7	13	11	10	11	1	161	32	73	997	0.00
	21:30	9	11	6	11	9	8	9	1	167	31	73	997	0.00
	21:45	6	9	5	10	8	8	8	1	138	31	74	997	0.00
	22:00	7	9	5	11	9	8	9	1	275	31	73	996	0.00
	22:15	6	9	6	11	9	8	9	1	223	31	74	996	0.00
	22:30	7	9	6	11	9	8	9	1	216	30	76	996	0.00
	22:45	7	9	5	9	8	8	8	1	205	30	79	996	0.00
	23:00	6	8	5	9	8	9	9	1	201	30	77	996	0.00
	23:15	7	10	6	10	9	8	9	1	205	31	80	996	0.00
	23:30	8	10	6	10	9	8	9	1	186	31	77	996	0.00
	23:45	7	10	6	10	9	9	9	1	225	32	77	996	0.00
	00:00	8	9	6	10	10	9	10	1	210	32	76	995	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
11/26/2023	00:15	7	10	6	10	9	10	10	1	197	32	75	995	0.00
	00:30	7	10	6	9	10	9	9	1	194	32	77	995	0.00
	00:45	7	10	6	10	10	9	9	2	201	32	81	995	0.00
	01:00	9	14	9	14	14	12	11	1	194	32	81	994	0.00
	01:15	9	14	9	15	14	13	12	1	177	32	81	994	0.00
	01:30	8	11	7	12	12	12	11	2	216	32	80	994	0.00
	01:45	6	10	6	11	10	9	9	2	207	32	79	994	0.00
	02:00	6	9	6	9	9	8	8	2	208	32	78	994	0.00
	02:15	6	9	5	9	9	8	9	2	190	32	80	994	0.00
	02:30	6	10	6	10	10	9	9	2	203	32	82	994	0.00
	02:45	6	10	6	10	10	9	9	1	192	32	82	993	0.00
	03:00	6	9	5	9	9	9	8	1	185	33	82	993	0.00
	03:15	5	9	5	8	9	9	8	1	192	33	81	993	0.00
	03:30	6	9	5	9	8	8	8	2	196	33	78	993	0.00
	03:45	6	10	5	9	9	8	8	1	182	34	82	993	0.00
	04:00	7	9	5	9	8	8	8	2	170	34	82	992	0.00
	04:15	7	9	5	9	9	8	8	2	177	34	85	992	0.01
	04:30	6	10	5	9	9	9	9	2	193	34	87	992	0.00
	04:45	6	10	5	9	9	9	9	2	188	34	91	991	0.01
	05:00	7	10	5	10	10	9	9	2	192	34	91	991	0.00
	05:15	6	10	4	10	9	9	9	2	193	34	92	991	0.00
	05:30	6	10	4	10	9	9	9	3	186	34	93	991	0.01
	05:45	7	10	4	10	9	8	9	2	199	34	93	991	0.00
	06:00	6	10	4	10	9	9	9	3	197	34	93	990	0.00
	06:15	7	10	5	10	10	9	9	2	195	34	93	991	0.00
	06:30	8	11	5	12	11	10	10	2	196	35	92	990	0.01
	06:45	7	10	5	11	10	9	10	2	193	35	92	990	0.00
	07:00	7	10	4	11	10	10	10	2	204	35	93	990	0.01
	07:15	7	10	4	11	10	9	9	2	215	35	92	990	0.00
	07:30	6	10	4	11	10	8	9	3	212	34	93	990	0.01
	07:45	6	10	4	11	10	9	9	3	207	35	93	990	0.01
	08:00	7	10	4	11	10	8	9	3	205	35	94	990	0.02
	08:15	6	10	4	10	10	9	9	2	183	35	94	989	0.01
	08:30	7	10	4	10	10	9	9	3	187	35	94	989	0.01
	08:45	7	11	3	10	10	9	10	2	200	35	95	989	0.01
	09:00	7	10	4	10	10	9	10	3	191	35	95	989	0.02
	09:15	7	11	4	11	10	9	10	3	191	36	95	989	0.02
	09:30	7	11	4	11	11	10	10	3	198	36	95	989	0.02
	09:45	7	11	4	11	11	10	10	3	204	36	95	989	0.01
	10:00	8	12	5	12	11	10	11	3	209	37	95	988	0.00
	10:15	8	12	5	13	12	10	11	4	216	37	95	988	0.00
	10:30	8	12	5	12	12	11	11	5	215	38	95	988	0.01
	10:45	6	10	5	11	10	9	10	5	215	38	94	988	0.00
	11:00	5	8	4	9	8	8	8	6	224	38	94	988	0.00
	11:15	3	7	3	7	7	6	6	5	226	38	94	988	0.00
	11:30	3	6	3	6	5	5	5	6	228	38	92	988	0.00
	11:45	2	5	3	6	5	5	5	5	232	38	92	988	0.00
	12:00	3	6	3	7	6	6	6	4	230	37	90	988	0.00
	12:15	3	7	4	7	7	6	7	4	239	37	90	988	0.00
	12:30	2	5	2	5	5	4	4	3	236	36	91	988	0.00
	12:45	3	6	3	7	6	5	6	3	227	36	90	988	0.00
	13:00	7	12	5	12	11	9	11	3	230	36	89	988	0.00
	13:15	6	10	4	10	8	8	8	3	237	36	89	988	0.00
	13:30	1	4	2	4	4	4	3	4	234	36	87	988	0.00
	13:45	7	10	4	8	10	8	8	4	230	36	85	988	0.00
	14:00	0	4	2	3	4	4	4	3	231	36	87	989	0.00
	14:15	0	3	2	3	3	3	3	4	233	35	88	989	0.00
	14:30	4	7	3	6	6	5	6	4	237	34	88	989	0.00
	14:45	3	6	3	6	5	5	5	4	238	34	85	989	0.00
	15:00	5	8	5	8	8	7	7	4	237	33	85	990	0.00
	15:15	6	8	5	8	8	7	7	4	237	33	85	990	0.00
	15:30	7	10	5	10	10	9	10	4	239	32	84	990	0.00
	15:45	5	9	5	8	9	7	8	4	242	32	85	991	0.00
	16:00	3	6	3	5	6	5	6	4	236	32	84	991	0.00
	16:15	3	6	3	5	5	4	5	4	234	32	84	991	0.00
	16:30	2	5	3	5	5	4	4	3	235	32	81	991	0.00
	16:45	1	5	3	4	4	5	4	3	243	31	82	992	0.00
	17:00	1	5	3	4	5	4	4	4	246	31	82	992	0.00
	17:15	2	5	2	4	4	4	4	4	235	31	83	992	0.00
	17:30	2	5	3	5	5	4	4	5	238	31	82	992	0.00
	17:45	2	5	3	5	5	4	4	4	234	31	82	992	0.00
	18:00	2	5	3	5	5	5	5	4	235	32	81	993	0.00
	18:15	3	6	3	6	6	5	5	4	229	32	81	993	0.00
	18:30	3	6	4	6	6	5	5	5	233	32	81	993	0.00
	18:45	3	6	4	6	7	5	6	5	237	32	82	993	0.00
	19:00	3	6	4	6	6	5	5	5	230	32	83	993	0.00
	19:15	3	6	4	5	6	5	6	4	224	33	82	994	0.00
	19:30	3	6	4	5	6	5	5	4	233	33	83	994	0.00
	19:45	3	6	3	6	6	5	6	4	230	33	83	994	0.00
	20:00	3	7	4	7	6	6	6	4	235	33	83	994	0.00
	20:15	4	8	4	7	7	7	7	4	230	33	84	994	0.00
	20:30	6	8	4	8	8	8	8	3	232	33	84	994	0.00
	20:45	5	9	5	8	9	7	8	3	228	33	84	995	0.00
	21:00	5	9	5	8	8	7	8	3	230	33	84	995	0.00
	21:15	3	7	4	6	6	6	6	3	224	33	85	995	0.00
	21:30	2	6	3	5	5	5	5	3	227	32	86	995	0.00
	21:45	1	4	2	4	5	4	4	4	235	32	87	995	0.00
	22:00	1	4	2	4	4	4	4	3	230	32	88	995	0.00
	22:15	1	4	2	4	4	4	4	3	235	31	89	996	0.00
	22:30	2	5	3	4	4	5	6	4	235	31	89	996	0.00
	22:45	0	4	2	3	4	3	4	3	242	31	89	996	0.00
	23:00	1	4	2	3	3	4	3	3	239	31	89	996	0.00
	23:15	1	4	2	3	3	3	3	3	237	31	90	996	0.00
	23:30	0	3	1	3	3	3	3	3	239	31	89	996	0.00
	23:45	0	3	2	3	3	3	3	3	227	32	88	996	0.00
	00:00	0	3	1	2	3	3	3	3	232	32	87	996	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	0	2	1	2	3	2	3	3	228	33	86	996	0.00
	00:30	0	3	1	2	3	2	3	3	231	32	84	996	0.00
	00:45	0	2	1	2	2	2	2	4	239	32	83	996	0.00
	01:00	0	2	1	2	2	2	2	3	235	31	83	996	0.00
	01:15	0	3	1	3	3	2	2	3	243	31	83	996	0.00
	01:30	0	4	2	5	4	3	4	3	250	30	83	996	0.00
	01:45	0	4	2	4	3	3	3	2	239	30	83	997	0.00
	02:00	0	3	2	4	3	2	3	4	251	29	81	997	0.00
	02:15	2	6	3	7	7	5	6	3	251	29	80	997	0.00
	02:30	1	7	4	6	7	5	6	2	252	29	81	997	0.00
	02:45	0	3	2	4	4	2	3	3	247	28	81	997	0.00
	03:00	0	4	2	5	4	3	3	3	245	28	81	997	0.00
	03:15	0	4	2	6	4	3	4	3	255	28	80	997	0.00
	03:30	0	3	2	5	3	3	3	2	252	27	81	998	0.00
	03:45	0	2	1	4	3	2	2	2	255	27	81	998	0.00
	04:00	0	2	1	4	2	2	2	3	251	27	82	998	0.00
	04:15	0	3	1	4	3	2	2	3	253	27	82	998	0.00
	04:30	0	2	1	4	3	2	2	3	253	27	82	997	0.00
	04:45	0	2	1	4	2	2	2	3	251	26	82	997	0.00
	05:00	0	2	1	4	3	2	2	3	256	26	82	997	0.00
	05:15	0	2	1	4	2	2	2	2	259	26	83	998	0.00
	05:30	0	2	1	3	2	2	2	3	257	26	83	998	0.00
	05:45	0	2	1	3	2	1	2	2	252	25	84	998	0.00
	06:00	0	2	1	3	2	1	2	2	253	25	84	998	0.00
	06:15	0	2	1	3	2	1	2	2	251	25	84	998	0.00
	06:30	0	2	1	3	2	1	2	3	248	25	83	998	0.00
	06:45	0	2	1	3	2	1	2	3	257	25	82	998	0.00
	07:00	0	2	1	3	2	1	2	3	258	25	82	998	0.00
	07:15	0	3	2	4	3	2	3	3	259	24	79	998	0.00
	07:30	0	3	1	4	3	2	2	3	260	24	79	999	0.00
	07:45	0	3	1	4	3	2	2	3	256	25	77	999	0.00
	08:00	0	3	3	5	3	2	3	3	255	26	74	999	0.00
	08:15	0	5	3	5	4	3	4	3	256	27	72	999	0.00
	08:30	0	5	3	7	3	4	4	3	262	28	68	999	0.00
	08:45	0	4	2	6	5	2	2	3	262	28	66	999	0.00
	09:00	0	3	2	4	3	3	3	3	252	29	64	999	0.00
	09:15	0	2	1	3	3	3	3	3	257	30	63	999	0.00
	09:30	0	3	2	5	3	3	3	3	239	30	61	999	0.00
	09:45	0	3	2	6	4	4	4	3	254	31	59	1000	0.00
	10:00	3	7	4	9	9	8	8	3	253	32	59	1000	0.00
	10:15	5	10	7	11	12	14	12	4	241	32	60	1000	0.00
	10:30	0	3	2	3	4	4	3	5	238	32	62	1000	0.00
	10:45	0	3	2	3	4	4	3	4	235	33	62	999	0.00
	11:00	0	3	2	4	4	4	4	4	235	33	62	999	0.00
	11:15	0	3	2	4	4	4	3	5	233	34	62	999	0.00
	11:30	0	3	2	4	4	4	3	4	238	34	60	999	0.00
	11:45	0	3	2	3	4	4	3	4	236	35	63	999	0.00
11/27/2023	12:00	0	3	2	3	4	3	3	4	239	36	59	999	0.00
	12:15	0	3	2	3	3	3	3	5	240	36	58	999	0.00
	12:30	0	3	2	4	4	4	3	5	239	36	58	998	0.00
	12:45	0	2	2	3	3	3	3	4	237	37	58	998	0.00
	13:00	0	2	2	3	3	3	3	5	230	37	54	998	0.00
	13:15	0	2	1	3	2	3	3	6	237	37	56	998	0.00
	13:30	0	2	2	3	3	3	3	4	231	37	55	998	0.00
	13:45	0	2	2	3	3	3	3	4	230	38	57	998	0.00
	14:00	0	2	2	3	3	3	3	4	228	38	55	998	0.00
	14:15	0	2	1	2	2	3	3	4	227	38	54	998	0.00
	14:30	0	2	1	2	2	3	2	5	232	37	55	997	0.00
	14:45	0	2	1	3	2	3	2	3	232	37	55	997	0.00
	15:00	0	2	1	3	2	3	3	3	241	38	55	997	0.00
	15:15	0	3	2	4	3	3	3	3	234	37	54	998	0.00
	15:30	0	4	2	4	4	4	4	3	233	36	56	998	0.00
	15:45	0	4	3	5	4	5	4	3	237	35	56	998	0.00
	16:00	0	4	3	4	4	4	4	3	233	34	56	998	0.00
	16:15	0	3	2	4	3	4	3	3	236	33	55	998	0.00
	16:30	0	3	2	5	3	4	4	3	241	33	57	998	0.00
	16:45	0	4	3	5	4	5	5	3	235	32	61	998	0.00
	17:00	0	4	3	5	4	4	4	3	235	31	62	998	0.00
	17:15	0	4	2	5	4	3	3	2	249	31	65	998	0.00
	17:30	0	4	2	5	4	3	3	2	251	31	67	999	0.00
	17:45	0	4	2	5	4	3	3	2	250	30	68	999	0.00
	18:00	0	4	3	6	5	3	3	2	248	31	67	999	0.00
	18:15	0	5	3	6	4	4	4	2	246	30	69	999	0.00
	18:30	1	6	3	8	5	4	4	2	256	30	68	999	0.00
	18:45	4	11	7	15	10	8	8	2	256	30	68	999	0.00
	19:00	4	9	5	9	6	5	5	2	247	30	68	999	0.00
	19:15	1	7	4	8	6	5	5	2	253	30	66	999	0.00
	19:30	0	4	3	5	4	4	3	2	250	30	65	999	0.00
	19:45	0	3	2	5	4	4	3	2	260	30	66	999	0.00
	20:00	0	4	3	5	4	3	3	2	256	30	67	999	0.00
	20:15	0	3	2	5	4	4	3	3	272	29	65	1000	0.00
	20:30	0	4	3	6	4	4	3	3	309	28	67	1000	0.00
	20:45	0	5	3	6	5	5	5	2	301	27	69	1000	0.00
	21:00	1	5	3	7	6	5	5	3	308	27	70	1000	0.00
	21:15	0	5	3	8	5	5	5	4	346	26	74	1000	0.00
	21:30	1	6	4	7	6	6	6	3	342	25	75	1000	0.00
	21:45	2	6	4	7	6	6	6	3	350	25	75	1000	0.00
	22:00	1	7	4	8	7	5	7	3	345	25	74	1000	0.00
	22:15	3	6	4	9	7	7	6	2	318	25	73	1000	0.00
	22:30	2	7	5	8	7	7	6	3	321	24	72	1000	0.00
	22:45	2	6	4	7	7	6	6	2	314	24	73	1000	0.00
	23:00	1	7	4	7	6	6	6	2	302	24	73	1000	0.00
	23:15	2	6	4	8	7	6	6	2	280	24	73	1000	0.00
	23:30	1	7	5	8	7	6	6	2	274	24	74	1001	0.00
	23:45	2	7	5	8	7	6	6	2	276	24	75	1001	0.00
	00:00	2	7	4	8	6	6	6	2	275	23	76	1001	0.00

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

Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	5	6	4	7	7	6	6	2	267	23	78	1001	0.00
	00:30	7	6	4	7	8	6	7	2	264	23	79	1001	0.00
	00:45	6	7	4	8	7	7	7	2	255	23	79	1001	0.00
	01:00	7	7	4	8	8	7	7	2	264	22	79	1001	0.00
	01:15	7	7	4	7	8	6	7	2	264	22	79	1001	0.00
	01:30	6	6	4	8	7	6	6	2	259	23	80	1001	0.00
	01:45	6	6	3	7	7	6	6	2	272	23	77	1001	0.00
	02:00	7	6	4	8	7	6	6	2	297	24	76	1001	0.00
	02:15	7	8	5	8	8	7	8	3	309	24	76	1001	0.00
	02:30	7	8	5	9	9	7	8	3	314	23	76	1002	0.00
	02:45	10	8	5	9	8	8	8	3	304	23	76	1002	0.00
	03:00	7	8	5	8	9	8	8	2	301	22	76	1002	0.00
	03:15	8	7	5	8	9	8	8	2	285	22	75	1002	0.00
	03:30	6	7	5	6	7	7	7	2	295	21	71	1002	0.00
	03:45	7	5	3	5	6	5	5	3	299	21	70	1002	0.00
	04:00	6	6	4	4	6	6	5	3	302	21	69	1002	0.00
	04:15	3	4	2	4	4	3	4	3	298	20	68	1002	0.00
	04:30	5	5	3	3	5	5	5	3	301	20	68	1002	0.00
	04:45	4	4	3	3	4	4	3	2	300	20	70	1003	0.00
	05:00	3	4	2	3	5	4	4	2	309	19	71	1003	0.00
	05:15	5	4	3	3	4	4	5	3	325	19	71	1003	0.00
	05:30	3	4	3	3	5	4	4	3	324	18	73	1003	0.00
	05:45	5	4	3	3	5	5	4	3	316	18	73	1004	0.00
	06:00	4	5	3	3	4	4	4	2	305	18	74	1004	0.00
	06:15	4	5	3	4	5	4	4	2	318	17	75	1004	0.00
	06:30	5	4	3	4	5	5	5	2	296	17	75	1004	0.00
	06:45	4	4	3	4	5	5	5	2	289	17	76	1004	0.00
	07:00	5	4	3	3	4	4	4	2	277	16	76	1005	0.00
	07:15	5	5	3	3	5	4	4	2	280	16	77	1005	0.00
	07:30	3	4	3	3	5	4	4	2	278	16	76	1005	0.00
	07:45	5	5	3	3	4	4	4	2	262	18	72	1005	0.00
	08:00	3	4	3	4	4	4	4	2	300	19	70	1005	0.00
	08:15	5	4	3	3	5	4	4	3	306	20	68	1005	0.00
	08:30	5	4	3	4	4	4	4	3	318	20	65	1006	0.00
	08:45	4	3	3	4	5	4	4	2	284	22	64	1006	0.00
	09:00	4	3	2	3	4	4	4	3	311	21	63	1006	0.00
	09:15	3	3	2	2	4	4	4	3	331	22	63	1006	0.00
	09:30	3	3	2	3	5	4	4	3	306	23	62	1006	0.00
	09:45	3	2	1	3	4	3	3	3	299	23	59	1007	0.00
	10:00	3	2	1	4	4	3	3	2	296	24	58	1007	0.00
	10:15	2	2	1	2	3	3	3	3	315	25	54	1007	0.00
	10:30	2	2	1	3	3	3	3	2	258	25	56	1007	0.00
	10:45	2	2	1	3	3	3	3	3	262	26	58	1007	0.00
	11:00	5	4	2	6	6	5	5	4	259	24	60	1007	0.00
	11:15	10	9	6	12	15	13	12	3	240	25	59	1006	0.00
	11:30	16	15	10	21	25	19	20	3	259	27	57	1006	0.00
	11:45	21	20	15	28	34	28	28	3	263	26	57	1006	0.00
11/28/2023	12:00	27	27	19	37	47	38	38	4	261	26	58	1006	0.00
	12:15	33	33	25	44	55	47	45	3	264	27	61	1006	0.00
	12:30	29	28	21	39	45	41	40	3	251	27	55	1006	0.00
	12:45	40	40	29	54	59	56	56	4	246	28	58	1005	0.00
	13:00	21	22	16	28	31	33	31	3	248	27	56	1005	0.00
	13:15	14	15	11	18	21	24	22	4	245	28	54	1005	0.00
	13:30	13	13	9	15	16	17	16	4	243	27	56	1005	0.00
	13:45	6	6	4	7	8	9	8	3	244	29	53	1005	0.00
	14:00	4	4	3	4	6	6	5	3	239	29	55	1004	0.00
	14:15	2	2	1	2	4	4	3	3	260	29	52	1004	0.00
	14:30	2	2	1	2	3	3	3	3	246	29	53	1004	0.00
	14:45	2	2	1	2	3	3	3	3	244	30	52	1004	0.00
	15:00	2	2	1	2	3	3	3	3	241	30	54	1004	0.00
	15:15	2	2	1	2	3	3	3	3	238	30	52	1004	0.00
	15:30	2	2	1	2	3	3	3	4	240	29	52	1004	0.00
	15:45	2	2	1	2	3	3	3	4	236	29	54	1004	0.00
	16:00	2	2	1	3	3	3	3	3	238	28	56	1003	0.00
	16:15	2	2	1	3	3	3	3	3	243	27	56	1003	0.00
	16:30	2	2	1	3	3	3	3	2	233	27	59	1003	0.00
	16:45	3	3	2	3	3	3	2	2	242	26	60	1003	0.00
	17:00	3	3	2	2	3	3	2	1	262	25	64	1003	0.00
	17:15	3	3	2	3	4	3	3	1	262	24	65	1003	0.00
	17:30	4	3	2	2	3	4	3	1	265	23	67	1003	0.00
	17:45	2	3	2	3	4	3	3	1	248	23	68	1002	0.00
	18:00	3	2	2	2	3	2	2	1	237	22	72	1002	0.00
	18:15	2	3	1	2	3	3	2	1	237	22	74	1002	0.00
	18:30	2	2	1	2	3	2	2	1	232	22	76	1002	0.00
	18:45	3	3	1	2	3	2	2	1	249	22	76	1002	0.00
	19:00	2	3	2	2	3	2	2	1	202	21	76	1001	0.00
	19:15	3	3	1	2	3	2	2	1	198	21	76	1001	0.00
	19:30	3	3	2	3	3	2	2	1	219	22	74	1001	0.00
	19:45	3	3	2	2	3	2	2	1	229	22	74	1001	0.00
	20:00	4	4	2	3	4	3	3	1	229	22	73	1001	0.00
	20:15	4	4	3	4	4	3	3	1	236	22	71	1001	0.00
	20:30	4	4	3	4	4	3	4	1	233	23	70	1001	0.00
	20:45	4	4	3	3	4	4	4	1	239	23	68	1000	0.00
	21:00	4	4	2	3	4	3	3	2	233	24	68	1000	0.00
	21:15	4	4	2	3	4	3	3	2	230	23	69	1000	0.00
	21:30	5	4	3	4	4	4	4	1	220	23	68	1000	0.00
	21:45	5	4	3	3	4	4	4	1	220	23	70	999	0.00
	22:00	4	5	3	4	5	4	4	1	194	22	73	999	0.00
	22:15	5	5	3	4	5	4	4	1	201	22	72	999	0.00
	22:30	5	5	3	5	5	4	4	1	214	22	73	999	0.00
	22:45	5	5	3	5	5	4	4	1	213	22	73	999	0.00
	23:00	5	5	3	5	5	4	4	2	217	23	74	998	0.00
	23:15	5	5	3	5	5	4	5	1	213	23	74	998	0.00
	23:30	5	6	3	5	6	5	5	2	208	23	73	998	0.00
	23:45	6	6	4	6	6	5	5	2	195	23	73	998	0.00
	00:00	5	6	4	7	6	5	5	2	207	24	71	997	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
11/29/2023	00:15	6	5	3	6	5	4	5	2	220	24	71	997	0.00
	00:30	6	6	4	8	6	5	6	2	220	25	70	997	0.00
	00:45	6	6	4	8	6	5	6	2	217	25	69	996	0.00
	01:00	5	5	4	7	6	5	5	2	218	25	71	996	0.00
	01:15	5	5	3	7	5	4	5	2	208	26	70	996	0.00
	01:30	5	5	3	7	5	4	5	2	195	26	71	995	0.00
	01:45	5	5	3	7	6	4	5	1	184	25	74	995	0.00
	02:00	5	5	3	7	5	4	5	2	211	26	71	995	0.00
	02:15	5	4	3	7	5	4	5	4	217	27	68	995	0.00
	02:30	5	4	3	6	5	4	5	4	210	27	69	995	0.00
	02:45	4	4	3	6	5	4	5	4	228	27	71	995	0.00
	03:00	4	4	2	6	4	4	4	4	219	27	71	994	0.00
	03:15	4	4	2	5	4	4	4	4	223	28	71	994	0.00
	03:30	4	4	3	5	5	4	4	5	218	28	71	994	0.00
	03:45	4	4	3	5	5	4	5	4	237	28	71	994	0.00
	04:00	5	4	3	5	5	4	5	3	236	28	73	994	0.00
	04:15	4	4	3	5	5	4	4	3	230	27	74	994	0.00
	04:30	4	4	3	5	4	4	4	3	224	27	75	994	0.00
	04:45	4	4	2	5	4	4	4	3	230	27	74	994	0.00
	05:00	4	4	2	5	4	4	4	3	232	27	75	994	0.00
	05:15	4	4	2	5	4	4	4	3	237	27	75	994	0.00
	05:30	4	3	2	5	4	3	4	4	234	28	75	994	0.00
	05:45	4	3	2	5	4	3	4	4	246	28	76	994	0.00
	06:00	4	3	2	5	4	3	4	3	243	27	76	994	0.00
	06:15	3	3	2	5	4	3	4	3	237	28	77	994	0.00
	06:30	3	3	2	4	4	3	4	3	233	28	77	994	0.00
	06:45	4	3	2	4	4	3	4	3	240	28	76	994	0.00
	07:00	4	3	2	5	4	3	4	2	245	28	79	994	0.00
	07:15	3	3	2	4	3	3	3	2	246	27	80	994	0.00
	07:30	3	3	2	4	3	3	3	3	243	28	77	994	0.00
	07:45	3	3	2	4	2	3	4	4	239	30	75	994	0.00
	08:00	3	3	2	4	3	2	4	5	239	32	71	994	0.00
	08:15	3	4	2	4	4	3	4	4	240	34	69	994	0.00
	08:30	5	4	3	5	4	4	4	5	238	35	68	994	0.00
	08:45	5	4	3	5	4	4	4	5	238	35	68	994	0.00
	09:00	5	4	3	5	4	4	5	5	234	36	67	995	0.00
	09:15	4	4	3	5	5	5	5	5	237	37	67	995	0.00
	09:30	5	5	3	6	5	5	5	5	225	38	66	995	0.00
	09:45	5	4	3	6	5	5	5	5	226	40	64	995	0.00
	10:00	5	5	3	6	5	5	5	5	215	41	63	995	0.00
	10:15	5	5	3	6	6	6	6	5	224	42	62	995	0.00
	10:30	5	4	3	6	5	5	5	5	223	43	60	995	0.00
	10:45	4	4	3	5	5	5	5	5	221	44	58	995	0.00
	11:00	4	4	2	6	5	5	5	5	234	45	59	995	0.00
	11:15	4	4	3	5	5	5	5	5	217	45	58	994	0.00
	11:30	4	4	2	7	5	5	5	5	223	46	58	994	0.00
	11:45	4	4	2	5	5	4	5	5	237	47	57	994	0.00
	12:00	3	3	2	5	5	4	4	4	231	49	54	994	0.00
	12:15	1	3	2	5	5	4	4	5	243	49	53	994	0.00
	12:30	2	3	2	5	4	4	4	5	239	50	52	994	0.00
	12:45	2	3	2	4	4	4	4	5	239	51	52	994	0.00
	13:00	2	3	2	4	4	4	4	6	241	51	50	994	0.00
	13:15	2	3	2	4	4	4	4	6	242	52	49	993	0.00
	13:30	2	3	2	3	4	4	4	5	247	53	48	993	0.00
	13:45	2	3	2	3	3	4	4	5	241	53	48	993	0.00
	14:00	2	3	2	3	3	4	4	5	236	54	47	993	0.00
	14:15	2	2	2	2	3	4	3	5	239	54	46	993	0.00
	14:30	1	2	1	2	3	3	3	4	237	55	45	993	0.00
	14:45	1	2	1	2	2	3	3	4	237	55	46	993	0.00
	15:00	1	2	1	2	2	3	3	4	241	55	44	993	0.00
	15:15	1	1	1	1	2	2	2	4	243	55	45	993	0.00
	15:30	0	1	0	1	1	2	2	4	243	55	44	993	0.00
	15:45	0	1	0	2	1	2	2	4	240	54	46	993	0.00
	16:00	0	1	0	2	1	2	2	3	234	53	48	993	0.00
	16:15	0	1	0	2	1	2	2	3	233	52	48	993	0.00
	16:30	1	1	0	2	1	2	2	3	228	51	52	993	0.00
	16:45	0	1	0	3	1	2	2	2	215	49	56	993	0.00
	17:00	0	1	0	2	2	2	2	3	202	47	60	993	0.00
	17:15	0	1	0	3	2	2	2	3	196	46	62	993	0.00
	17:30	1	2	1	3	2	2	2	3	202	45	62	993	0.00
	17:45	1	2	1	3	2	2	2	3	197	45	64	993	0.00
	18:00	1	2	1	3	2	2	2	3	183	44	65	993	0.00
	18:15	1	2	1	3	2	2	2	3	182	42	68	994	0.00
	18:30	1	2	1	3	2	2	2	3	183	41	67	994	0.00
	18:45	1	3	1	3	2	2	3	3	180	41	67	993	0.00
	19:00	2	3	2	4	3	3	3	3	187	42	65	993	0.00
	19:15	2	4	2	4	3	3	4	3	187	42	67	993	0.00
	19:30	3	4	2	5	4	4	4	3	189	42	64	993	0.00
	19:45	4	4	2	4	4	4	5	3	189	42	64	993	0.00
	20:00	4	5	3	5	4	4	5	4	194	43	62	993	0.00
	20:15	5	5	3	6	5	5	5	4	193	43	62	993	0.00
	20:30	5	6	4	7	6	5	6	4	198	43	61	993	0.00
	20:45	5	5	3	7	6	6	6	4	202	43	62	993	0.00
	21:00	4	5	3	6	6	5	5	5	202	44	61	993	0.00
	21:15	4	5	3	6	5	5	5	5	201	44	63	993	0.00
	21:30	4	5	3	5	5	5	5	4	193	43	64	993	0.00
	21:45	4	5	3	6	5	5	5	4	198	43	65	993	0.00
	22:00	5	5	3	6	5	5	5	5	203	43	65	993	0.00
	22:15	4	5	3	6	5	5	5	4	200	42	67	993	0.00
	22:30	5	5	3	6	5	5	5	4	193	41	68	993	0.00
	22:45	4	5	3	6	5	5	5	3	196	41	70	993	0.00
	23:00	4	5	3	6	5	5	5	4	202	41	69	992	0.00
	23:15	4	5	3	6	5	5	5	4	194	41	69	992	0.00
	23:30	4	5	3	6	5	5	5	4	189	41	71	992	0.00
	23:45	4	5	2	5	5	4	5	3	189	39	74	992	0.00
	00:00	4	5	2	5	5	4	5	3	193	39	74	992	0.00

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

Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
11/30/2023	00:15	5	5	3	6	5	4	4	3	190	40	73	992	0.00
	00:30	5	5	3	6	5	4	4	3	181	39	75	992	0.00
	00:45	5	5	3	5	5	4	4	3	179	36	78	992	0.00
	01:00	5	6	3	5	5	4	4	3	183	37	79	992	0.00
	01:15	6	6	3	6	5	4	4	3	206	38	78	992	0.00
	01:30	5	6	3	6	5	5	5	4	198	39	76	992	0.00
	01:45	5	6	3	6	6	5	5	4	193	39	77	992	0.00
	02:00	6	6	4	7	6	5	5	3	203	39	77	992	0.00
	02:15	6	6	3	7	5	5	5	3	194	39	77	992	0.00
	02:30	6	6	3	7	6	5	5	4	193	39	78	992	0.00
	02:45	5	6	3	7	5	5	5	3	195	38	79	992	0.00
	03:00	5	6	3	6	5	5	5	3	202	39	79	992	0.00
	03:15	5	6	3	6	5	5	5	3	199	39	79	992	0.00
	03:30	5	6	3	6	5	5	4	4	196	39	78	992	0.00
	03:45	5	6	3	6	5	5	5	4	198	40	78	992	0.00
	04:00	5	6	3	6	5	5	5	4	195	40	77	991	0.00
	04:15	5	6	3	6	5	5	5	3	191	39	78	991	0.00
	04:30	5	6	3	6	5	5	4	4	196	39	76	991	0.00
	04:45	5	5	3	6	5	4	4	4	197	39	77	991	0.00
	05:00	5	5	3	6	5	4	4	4	194	39	78	991	0.00
	05:15	5	5	3	6	5	4	4	4	199	39	79	991	0.00
	05:30	5	5	3	6	5	4	4	4	197	39	79	991	0.00
	05:45	4	5	3	5	5	4	4	5	202	39	79	991	0.00
	06:00	4	5	3	6	5	4	4	5	199	39	79	991	0.00
	06:15	5	5	3	5	4	4	4	5	206	39	79	991	0.00
	06:30	4	5	3	5	5	4	4	4	201	39	80	991	0.00
	06:45	4	5	3	6	4	4	4	5	210	39	80	991	0.00
	07:00	4	5	3	5	5	4	4	5	208	38	79	991	0.00
	07:15	4	5	3	5	4	4	2	5	208	39	79	991	0.00
	07:30	4	5	3	5	4	4	4	4	205	39	78	991	0.00
	07:45	4	5	3	5	4	4	4	5	201	40	77	991	0.00
	08:00	4	5	3	6	4	4	4	6	206	41	75	991	0.00
	08:15	5	5	3	6	5	4	4	6	202	41	73	991	0.00
	08:30	5	5	3	6	5	4	5	5	203	42	72	991	0.00
	08:45	5	5	4	6	5	4	5	5	208	43	70	991	0.00
	09:00	6	5	4	6	5	5	5	5	204	44	70	991	0.00
	09:15	5	5	4	6	5	5	5	4	204	45	66	991	0.00
	09:30	5	5	3	6	5	5	5	7	205	46	66	991	0.00
	09:45	6	6	4	7	5	5	6	6	209	46	67	991	0.00
	10:00	5	6	4	7	6	6	5	6	207	48	64	991	0.00
	10:15	5	6	4	6	6	6	5	6	218	49	63	991	0.00
	10:30	5	6	4	6	6	6	6	6	218	50	63	991	0.00
	10:45	5	6	4	8	6	6	6	5	219	51	61	991	0.00
	11:00	6	6	4	8	6	6	6	5	210	50	64	991	0.00
	11:15	6	6	4	7	6	6	6	4	204	49	64	990	0.00
	11:30	6	6	4	7	6	6	6	6	215	49	66	990	0.00
	11:45	6	7	4	7	6	6	6	4	211	50	66	990	0.00
	12:00	6	6	4	7	6	6	6	5	210	50	66	990	0.00
	12:15	7	7	4	8	6	7	7	5	214	50	65	990	0.00
	12:30	6	7	4	7	6	6	6	6	211	51	65	990	0.00
	12:45	6	6	4	7	7	6	6	6	217	50	66	990	0.00
	13:00	7	7	5	9	7	7	7	5	220	49	68	990	0.00
	13:15	7	7	5	8	7	7	7	5	215	49	67	990	0.00
	13:30	15	12	5	12	7	8	8	6	218	49	67	990	0.00
	13:45	16	17	5	17	13	11	11	6	215	49	69	990	0.00
	14:00	15	16	5	16	16	15	17	5	210	49	73	990	0.00
	14:15	15	16	5	18	16	15	17	5	211	48	75	990	0.00
	14:30	16	16	5	18	15	16	19	6	217	48	75	989	0.00
	14:45	16	17	5	19	16	15	18	5	214	49	75	989	0.00
	15:00	16	17	6	18	17	15	18	6	213	48	79	990	0.00
	15:15	16	17	5	18	17	16	19	6	203	48	83	989	0.00
	15:30	16	17	5	17	17	15	18	6	205	47	86	989	0.00
	15:45	15	17	5	17	17	16	19	6	202	47	88	990	0.00
	16:00	17	18	5	17	17	17	20	5	193	47	89	989	0.00
	16:15	15	16	5	16	15	15	18	5	198	47	90	989	0.00
	16:30	10	12	3	12	12	11	13	6	199	46	91	990	0.00
	16:45	10	11	3	11	10	9	12	6	208	46	92	990	0.00
	17:00	10	11	3	11	10	10	12	6	208	46	93	990	0.00
	17:15	9	11	3	11	10	10	12	7	211	46	95	990	0.00
	17:30	10	11	3	11	11	10	12	5	208	46	95	990	0.00
	17:45	11	12	3	11	12	11	14	6	218	46	96	990	0.00
	18:00	12	14	3	14	14	13	16	5	218	46	97	990	0.01
	18:15	14	14	3	14	15	13	17	5	209	46	97	990	0.00
	18:30	14	17	4	16	16	15	18	6	203	46	97	990	0.00
	18:45	18	19	5	17	19	16	21	5	195	46	97	990	0.01
	19:00	18	21	5	21	21	19	23	4	198	45	97	990	0.00
	19:15	22	23	6	23	22	20	25	6	196	45	96	990	0.00
	19:30	21	23	7	24	23	21	26	7	195	44	95	990	0.00
	19:45	22	23	6	24	23	22	26	7	200	44	96	990	0.00
	20:00	21	23	7	24	23	21	25	6	203	44	96	990	0.01
	20:15	23	24	7	24	23	22	26	6	189	44	94	990	0.00
	20:30	21	24	7	24	22	20	26	7	191	44	95	990	0.00
	20:45	21	23	6	24	23	22	25	6	191	44	96	990	0.00
	21:00	21	23	5	23	23	20	25	5	194	44	97	990	0.01
	21:15	20	22	5	22	23	21	24	5	180	44	97	990	0.02
	21:30	18	20	4	21	20	19	23	4	181	44	97	990	0.02
	21:45	15	16	4	16	15	15	18	5	185	44	96	990	0.01
	22:00	12	13	3	14	13	12	14	4	188	44	95	990	0.00
	22:15	10	12	3	13	12	11	13	5	193	44	94	990	0.01
	22:30	10	11	3	12	12	11	13	4	186	44	94	990	0.00
	22:45	10	11	3	12	11	10	12	4	189	44	95	990	0.01
	23:00	10	11	3	12	11	10	13	4	178	44	94	990	0.01
	23:15	10	12	3	13	11	10	13	4	184	44	94	990	0.01
	23:30	11	12	3	13	12	11	13	4	179	44	94	989	0.02
	23:45	10	11	3	12	11	10	13	5	190	44	94	989	0.02
	00:00	9	10	2	11	10	9	12	5	191	43	95	989	0.02

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
12/1/2023	00:15	7	10	3	9	9	9	10	5	184	43	95	989	0.02
	00:30	5	10	2	7	10	9	11	4	191	43	95	988	0.03
	00:45	5	10	2	7	10	9	11	4	179	43	96	988	0.02
	01:00	5	10	2	7	10	10	10	4	180	43	96	988	0.04
	01:15	6	10	2	8	10	9	11	4	191	43	97	988	0.08
	01:30	5	9	2	7	9	8	10	4	189	42	96	988	0.03
	01:45	4	8	2	6	8	8	9	5	186	42	97	988	0.04
	02:00	3	8	2	5	8	7	9	4	181	42	97	988	0.05
	02:15	3	8	2	6	8	7	8	4	182	42	97	988	0.03
	02:30	3	8	2	6	7	7	8	4	166	42	97	988	0.02
	02:45	3	7	2	5	7	7	8	5	164	42	97	987	0.03
	03:00	2	6	1	4	6	6	7	4	150	42	97	987	0.05
	03:15	2	6	1	4	6	6	7	5	138	42	98	986	0.02
	03:30	2	7	1	5	6	6	7	5	138	42	98	986	0.01
	03:45	2	6	1	4	6	6	7	4	139	42	98	986	0.03
	04:00	2	6	1	4	6	6	7	4	140	42	98	986	0.02
	04:15	1	5	1	3	5	5	6	4	145	42	98	986	0.05
	04:30	0	4	0	2	4	5	5	4	132	42	98	986	0.03
	04:45	0	3	0	2	3	4	4	3	149	42	98	986	0.03
	05:00	0	3	0	1	3	4	4	4	137	42	98	986	0.07
	05:15	0	3	0	1	3	4	4	3	135	42	98	986	0.05
	05:30	0	3	0	1	2	2	3	3	142	42	98	986	0.03
	05:45	0	2	0	1	2	2	3	34	146	42	98	986	0.04
	06:00	0	2	0	0	2	2	2	49	147	42	99	986	0.05
	06:15	0	1	0	0	1	2	2	49	147	42	99	986	0.01
	06:30	0	1	0	0	1	1	1	49	148	42	99	986	0.00
	06:45	0	1	0	0	1	1	1	48	148	42	99	986	0.00
	07:00	0	1	0	0	1	1	2	49	148	42	99	986	0.00
	07:15	0	1	0	0	1	1	1	48	148	42	99	986	0.00
	07:30	0	1	0	0	1	1	1	48	148	42	99	986	0.00
	07:45	0	1	0	0	2	1	2	18	147	42	99	986	0.00
	08:00	0	2	0	0	2	2	2	3	156	42	99	986	0.00
	08:15	0	2	0	0	2	2	2	3	171	43	99	986	0.00
	08:30	0	3	0	0	3	2	3	3	175	43	98	986	0.00
	08:45	0	3	0	0	3	3	3	3	177	43	98	985	0.00
	09:00	0	4	1	0	4	4	4	3	173	43	98	986	0.00
	09:15	0	5	1	1	5	4	5	3	184	44	98	986	0.00
	09:30	1	6	1	2	5	5	6	4	191	44	98	986	0.00
	09:45	3	8	1	3	7	6	8	3	194	44	98	986	0.01
	10:00	6	11	2	7	11	9	11	4	183	44	98	986	0.00
	10:15	11	16	2	12	16	13	17	3	181	44	99	986	0.00
	10:30	12	18	3	13	18	16	20	4	184	45	98	986	0.00
	10:45	15	20	4	15	20	17	21	4	186	45	98	986	0.00
	11:00	15	22	4	17	21	19	23	4	183	45	98	985	0.00
	11:15	15	22	5	17	21	18	23	4	187	46	98	985	0.00
	11:30	16	21	4	16	21	19	22	6	198	46	97	986	0.00
	11:45	12	19	4	13	18	16	20	5	205	46	97	986	0.00
	12:00	13	18	4	13	18	16	19	4	200	46	97	985	0.00
	12:15	11	17	4	13	17	15	18	4	207	47	96	985	0.00
	12:30	12	17	4	13	17	14	18	4	193	47	96	985	0.00
	12:45	12	18	4	13	17	16	19	4	204	47	96	985	0.00
	13:00	13	17	4	13	17	15	18	3	201	47	96	985	0.00
	13:15	10	16	4	12	16	14	17	3	202	47	96	985	0.00
	13:30	11	15	4	11	15	14	17	3	201	48	96	985	0.00
	13:45	9	14	4	10	14	13	16	4	203	48	96	985	0.00
	14:00	9	13	3	9	13	12	14	3	200	48	96	985	0.00
	14:15	7	12	3	7	12	11	13	3	198	49	96	985	0.00
	14:30	6	10	3	6	11	10	12	3	209	49	95	985	0.00
	14:45	5	10	2	5	10	9	11	4	207	49	95	985	0.01
	15:00	5	9	2	6	10	11	12	3	195	49	96	985	0.00
	15:15	5	10	2	5	10	10	11	3	196	49	96	985	0.00
	15:30	4	10	2	5	10	9	11	3	203	49	96	985	0.00
	15:45	5	10	2	5	10	10	11	2	198	49	97	985	0.00
	16:00	5	10	2	6	11	10	12	2	195	49	97	986	0.00
	16:15	6	10	2	5	11	10	12	3	199	49	98	986	0.00
	16:30	5	10	2	5	10	10	12	2	193	49	98	986	0.00
	16:45	5	9	2	5	10	10	12	3	198	49	98	986	0.00
	17:00	4	9	1	5	10	10	11	2	208	49	98	986	0.01
	17:15	5	9	1	5	9	9	11	2	174	49	98	986	0.01
	17:30	8	13	2	9	10	9	10	2	197	49	99	986	0.05
	17:45	6	11	2	6	10	9	12	2	169	49	98	986	0.02
	18:00	5	9	1	4	9	10	11	3	199	49	99	986	0.00
	18:15	4	9	1	4	9	8	10	2	228	49	98	987	0.01
	18:30	8	13	2	8	13	11	13	3	187	48	98	987	0.00
	18:45	7	13	2	9	13	11	14	2	179	47	98	987	0.00
	19:00	8	13	2	8	12	12	14	2	186	47	98	987	0.00
	19:15	6	11	1	5	10	10	13	3	192	47	98	988	0.00
	19:30	6	11	1	6	10	10	12	3	197	47	98	988	0.00
	19:45	3	8	1	3	9	9	11	4	208	46	98	988	0.00
	20:00	1	6	0	2	7	8	10	4	204	46	98	989	0.00
	20:15	1	5	0	1	6	7	8	3	199	45	98	989	0.00
	20:30	0	5	0	1	5	6	7	3	195	45	98	989	0.01
	20:45	1	5	1	1	6	6	7	3	191	45	98	989	0.00
	21:00	1	6	1	2	6	6	8	3	196	45	98	989	0.00
	21:15	3	7	1	3	7	7	8	3	196	45	98	989	0.00
	21:30	0	5	0	1	6	6	7	4	203	45	98	989	0.00
	21:45	0	4	0	0	4	5	6	3	202	45	97	990	0.00
	22:00	1	5	0	1	5	5	6	4	202	44	97	990	0.00
	22:15	1	6	1	2	6	6	7	4	212	44	97	990	0.00
	22:30	2	7	1	2	7	6	8	4	210	44	97	990	0.00
	22:45	3	8	1	4	8	7	9	5	216	43	97	990	0.00
	23:00	3	8	1	5	8	8	9	5	215	43	97	991	0.00
	23:15	5	9	2	6	9	8	10	5	214	43	96	991	0.00
	23:30	4	10	2	7	10	9	11	4	213	43	97	991	0.00
	23:45	6	11	2	8	11	10	12	4	209	43	97	991	0.00
	00:00	8	13	2	9	13	10	14	5	213	42	98	991	0.00

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

Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	10	14	2	12	13	12	14	5	211	42	98	991	0.00
	00:30	9	13	2	11	14	12	15	4	212	42	97	991	0.00
	00:45	9	13	3	10	13	11	15	5	216	42	96	992	0.00
	01:00	12	16	3	13	15	13	16	5	218	42	96	992	0.00
	01:15	13	18	4	15	17	15	18	5	217	42	96	992	0.00
	01:30	15	20	4	16	18	16	21	5	216	42	97	992	0.00
	01:45	21	25	4	21	24	22	27	4	212	41	97	992	0.00
	02:00	20	26	4	23	25	23	28	4	210	41	98	992	0.00
	02:15	23	28	4	25	28	23	30	5	212	41	98	993	0.00
	02:30	21	26	3	23	25	23	27	4	216	41	98	993	0.00
	02:45	16	22	3	19	22	20	23	4	210	41	98	993	0.00
	03:00	19	23	3	19	22	18	24	4	208	41	98	993	0.00
	03:15	14	19	3	15	18	18	21	4	211	41	97	993	0.00
	03:30	14	20	3	15	18	17	21	4	209	41	97	993	0.00
	03:45	17	21	3	17	20	17	22	3	210	41	97	993	0.00
	04:00	16	20	3	16	19	17	21	3	208	41	98	993	0.00
	04:15	14	20	3	17	20	17	21	3	211	41	98	993	0.00
	04:30	16	20	2	17	19	17	21	3	212	41	98	993	0.00
	04:45	17	21	2	18	20	17	22	3	209	41	98	993	0.00
	05:00	18	24	2	20	22	21	24	3	212	40	99	994	0.00
	05:15	19	23	2	19	23	21	25	3	207	40	99	994	0.00
	05:30	17	22	2	18	21	18	23	3	201	40	99	994	0.00
	05:45	16	22	1	18	21	18	23	3	205	40	99	994	0.00
	06:00	18	21	1	18	21	18	22	3	199	40	99	994	0.00
	06:15	16	21	1	18	21	18	22	3	201	40	99	994	0.00
	06:30	15	21	1	18	20	17	21	3	207	40	99	995	0.00
	06:45	24	27	2	27	27	24	29	1	272	40	99	995	0.00
	07:00	23	27	2	22	26	24	29	2	276	40	99	995	0.00
	07:15	19	25	1	21	24	21	27	2	288	40	99	995	0.00
	07:30	21	24	2	20	24	21	26	2	282	40	99	995	0.00
	07:45	25	29	2	25	28	25	30	2	33	40	99	995	0.00
	08:00	24	30	2	26	30	26	32	2	212	39	99	995	0.00
	08:15	23	27	2	22	26	23	29	1	172	39	99	995	0.00
	08:30	16	22	3	17	20	20	23	1	175	39	99	995	0.00
	08:45	17	21	3	16	19	18	22	1	180	40	98	995	0.00
	09:00	15	18	4	15	18	15	20	1	209	40	97	995	0.00
	09:15	19	22	5	18	21	21	26	2	215	40	95	995	0.00
	09:30	15	21	5	15	20	20	22	2	211	41	95	995	0.00
	09:45	16	19	5	14	18	18	21	2	182	41	93	995	0.00
	10:00	14	19	5	14	19	15	19	2	188	41	91	995	0.00
	10:15	9	14	4	9	13	12	13	2	205	42	90	995	0.00
	10:30	9	12	4	8	12	12	13	2	225	42	90	995	0.00
	10:45	9	13	4	8	12	11	13	2	196	42	90	995	0.00
	11:00	9	13	4	9	13	12	14	1	153	42	90	995	0.00
	11:15	11	14	5	11	14	13	15	2	85	42	90	994	0.00
	11:30	10	15	5	12	14	13	15	2	139	43	89	994	0.00
	11:45	10	15	4	10	14	13	15	2	226	43	88	994	0.00
12/2/2023	12:00	12	16	5	11	14	14	16	2	191	43	87	994	0.00
	12:15	10	16	5	12	14	13	17	2	192	43	87	994	0.00
	12:30	10	14	4	8	12	12	12	3	171	43	89	994	0.00
	12:45	8	10	3	7	10	9	10	2	169	43	86	994	0.00
	13:00	2	6	2	2	5	6	6	3	148	43	85	993	0.00
	13:15	2	5	2	1	5	5	5	3	194	43	86	993	0.00
	13:30	2	6	1	1	4	5	5	3	193	43	86	993	0.00
	13:45	2	5	1	1	4	5	5	3	191	43	86	993	0.00
	14:00	1	6	2	1	5	4	5	2	145	43	87	993	0.00
	14:15	2	5	1	1	4	5	5	2	142	43	88	993	0.00
	14:30	2	6	1	3	5	5	5	2	127	43	88	992	0.00
	14:45	2	6	1	1	4	4	5	2	165	43	88	992	0.00
	15:00	1	6	1	1	4	5	5	2	161	43	88	992	0.00
	15:15	2	6	1	1	5	5	5	2	156	43	89	992	0.00
	15:30	3	6	1	2	5	5	6	3	157	43	89	992	0.00
	15:45	5	8	2	5	8	6	7	3	147	42	90	992	0.00
	16:00	4	7	2	4	7	7	7	3	170	42	90	992	0.00
	16:15	4	7	2	4	6	6	7	3	174	42	91	992	0.00
	16:30	5	8	2	5	7	7	7	3	168	42	91	992	0.00
	16:45	5	8	2	4	7	7	7	3	158	42	91	992	0.00
	17:00	4	8	2	5	7	6	7	3	168	42	92	991	0.00
	17:15	5	9	2	5	7	6	7	3	173	42	92	991	0.00
	17:30	7	11	2	8	9	8	10	3	170	42	93	991	0.00
	17:45	7	11	2	8	11	9	11	3	163	42	93	991	0.00
	18:00	7	11	2	9	10	10	11	3	167	42	93	991	0.00
	18:15	8	12	3	10	11	10	12	2	169	42	93	991	0.00
	18:30	10	13	3	10	12	11	13	2	166	42	94	991	0.00
	18:45	9	13	3	11	12	11	13	2	180	42	93	991	0.00
	19:00	7	12	2	10	12	10	12	2	196	42	93	991	0.00
	19:15	8	12	2	9	12	11	12	3	213	42	94	991	0.00
	19:30	10	13	3	11	14	12	14	2	196	42	94	991	0.00
	19:45	11	16	3	11	12	12	15	3	194	42	94	992	0.00
	20:00	10	14	3	11	13	12	14	4	200	42	94	992	0.00
	20:15	10	15	3	12	14	12	14	3	207	42	94	992	0.00
	20:30	13	17	3	15	16	14	18	4	212	42	94	991	0.00
	20:45	15	19	3	16	18	15	19	3	189	42	95	991	0.00
	21:00	14	19	3	16	18	16	19	3	205	42	96	991	0.00
	21:15	14	19	3	16	19	16	19	3	193	42	96	991	0.00
	21:30	17	20	3	16	19	17	20	3	173	41	96	990	0.01
	21:45	15	21	3	17	19	17	21	3	163	41	97	990	0.00
	22:00	16	21	3	18	19	18	22	3	171	41	97	989	0.00
	22:15	17	21	2	18	20	18	22	4	152	41	98	989	0.01
	22:30	16	22	2	20	21	18	22	3	173	41	98	989	0.00
	22:45	19	23	3	20	22	19	23	2	172	41	98	988	0.02
	23:00	17	22	2	19	21	19	23	2	24	41	98	988	0.01
	23:15	23	27	3	21	22	19	24	3	219	41	98	988	0.00
	23:30	17	23	2	20	21	18	23	3	184	41	98	988	0.01
	23:45	19	23	2	20	21	20	22	3	196	41	98	987	0.00
	00:00	16	23	2	19	21	18	23	3	177	41	98	987	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
12/3/2023	00:15	8	20	2	18	19	17	21	3	198	41	98	987	0.00
	00:30	3	19	2	18	19	17	20	4	205	41	98	987	0.00
	00:45	2	17	2	16	17	14	18	3	216	41	98	987	0.02
	01:00	0	16	2	15	15	15	17	3	211	41	98	987	0.03
	01:15	1	15	2	14	15	13	17	3	204	41	98	987	0.00
	01:30	0	13	2	12	13	13	15	4	208	41	98	987	0.01
	01:45	0	10	1	9	11	9	11	4	202	41	98	987	0.00
	02:00	0	8	1	7	9	8	9	5	201	41	98	987	0.00
	02:15	0	7	1	7	8	7	8	5	198	41	98	987	0.00
	02:30	0	7	1	7	8	7	8	5	201	41	98	987	0.00
	02:45	0	8	1	6	8	7	8	4	203	41	98	987	0.02
	03:00	0	7	1	6	7	7	8	4	192	41	98	987	0.01
	03:15	0	7	1	7	8	6	8	3	197	41	98	986	0.00
	03:30	0	8	1	7	8	7	8	4	194	41	98	986	0.00
	03:45	0	9	1	7	8	7	9	4	193	41	98	986	0.00
	04:00	0	9	1	7	9	7	9	4	191	41	98	986	0.00
	04:15	0	8	1	8	9	7	8	4	189	41	98	986	0.00
	04:30	0	12	1	13	12	10	12	4	197	41	98	986	0.00
	04:45	3	19	2	18	18	16	19	5	197	41	98	986	0.00
	05:00	2	18	2	16	17	15	18	6	200	41	98	985	0.00
	05:15	1	17	2	16	16	14	17	6	201	41	98	985	0.00
	05:30	1	15	2	15	16	13	16	5	195	41	98	985	0.00
	05:45	0	15	2	16	16	13	16	5	204	41	98	985	0.00
	06:00	2	17	3	16	18	15	19	6	209	42	98	985	0.00
	06:15	4	20	4	19	18	16	21	6	213	42	98	985	0.00
	06:30	3	20	3	18	19	17	20	6	208	42	99	985	0.00
	06:45	5	21	3	19	20	17	21	5	212	42	99	985	0.00
	07:00	3	19	3	19	20	18	22	5	212	42	99	985	0.01
	07:15	0	14	3	14	15	14	18	6	219	42	98	985	0.00
	07:30	0	10	2	9	10	11	12	6	216	42	97	986	0.01
	07:45	0	4	1	4	5	5	5	5	211	42	96	986	0.00
	08:00	0	4	0	2	4	4	4	4	213	41	96	986	0.00
	08:15	0	4	0	2	4	4	5	4	212	41	96	987	0.00
	08:30	0	4	0	2	4	4	5	5	215	41	95	987	0.00
	08:45	0	3	0	1	3	3	4	4	207	41	95	987	0.00
	09:00	0	3	0	0	3	3	3	5	210	40	94	987	0.01
	09:15	0	3	0	0	3	3	3	5	206	40	94	988	0.00
	09:30	0	2	0	0	3	2	3	4	207	40	94	988	0.00
	09:45	0	2	0	0	3	3	3	4	223	40	93	988	0.00
	10:00	0	3	0	0	3	3	3	5	210	40	93	988	0.00
	10:15	0	3	0	1	3	3	4	4	206	40	93	988	0.00
	10:30	0	3	0	1	3	3	3	4	217	42	90	988	0.00
	10:45	0	2	0	0	2	2	2	5	213	42	86	988	0.00
	11:00	0	2	0	0	2	2	2	4	220	41	88	988	0.00
	11:15	0	2	0	0	2	2	2	4	230	41	87	988	0.00
	11:30	0	2	0	0	2	2	2	4	227	41	87	988	0.00
	11:45	0	3	1	2	3	2	3	4	227	40	86	988	0.00
	12:00	0	4	1	3	4	4	5	5	222	41	80	988	0.00
	12:15	0	6	2	5	5	5	6	5	222	42	80	988	0.00
	12:30	0	8	2	7	8	8	9	4	223	42	77	989	0.00
	12:45	0	11	4	8	10	9	10	4	218	42	76	989	0.00
	13:00	0	11	4	10	12	11	12	4	217	43	71	989	0.00
	13:15	0	11	4	12	12	11	12	3	225	43	74	989	0.00
	13:30	0	12	4	12	14	11	13	3	215	43	73	989	0.00
	13:45	0	13	5	13	13	12	13	4	216	43	72	989	0.00
	14:00	1	14	5	13	15	12	14	5	221	43	73	989	0.00
	14:15	3	17	6	14	14	12	14	4	219	43	75	989	0.00
	14:30	7	17	5	15	16	14	17	3	215	42	77	989	0.00
	14:45	3	19	7	16	18	16	18	4	210	42	78	989	0.00
	15:00	6	19	6	19	19	18	19	3	209	42	77	989	0.00
	15:15	4	18	7	16	19	16	19	3	206	42	77	989	0.00
	15:30	3	19	6	16	18	16	18	3	209	42	78	989	0.00
	15:45	5	19	6	18	19	17	21	4	211	42	80	990	0.00
	16:00	3	19	7	17	17	15	19	4	219	42	78	990	0.00
	16:15	5	19	6	16	16	16	19	4	222	42	80	990	0.00
	16:30	3	16	5	15	16	15	17	2	201	41	82	990	0.00
	16:45	1	16	5	14	17	14	17	2	206	40	83	990	0.00
	17:00	2	14	4	13	15	12	15	2	195	40	87	990	0.00
	17:15	2	15	4	14	15	13	16	2	214	40	86	990	0.00
	17:30	2	16	5	17	17	14	17	2	204	39	89	990	0.00
	17:45	1	16	4	14	16	15	17	2	196	39	92	990	0.00
	18:00	6	19	3	14	17	16	19	2	204	38	93	990	0.00
	18:15	6	20	5	16	17	17	21	2	219	37	92	990	0.00
	18:30	2	18	4	14	17	15	18	2	174	36	94	990	0.00
	18:45	2	17	3	13	16	13	17	1	198	35	95	990	0.00
	19:00	2	15	2	9	15	13	15	1	202	35	96	990	0.00
	19:15	1	15	2	11	15	13	15	2	190	34	97	990	0.00
	19:30	0	15	2	10	14	12	15	1	151	33	97	990	0.00
	19:45	1	14	2	10	15	12	15	1	170	33	97	990	0.00
	20:00	1	15	2	12	16	12	15	2	196	33	98	990	0.00
	20:15	3	19	3	16	18	15	17	1	189	32	98	990	0.00
	20:30	2	18	2	13	16	14	17	1	186	32	98	990	0.00
	20:45	3	18	3	20	18	14	18	1	184	32	98	990	0.00
	21:00	5	20	3	18	19	18	20	1	156	32	99	990	0.00
	21:15	4	21	3	17	19	16	21	1	124	33	99	990	0.00
	21:30	10	26	5	22	26	22	26	1	117	32	99	990	0.00
	21:45	5	22	3	19	22	20	26	2	143	33	99	990	0.00
	22:00	4	20	2	15	18	15	18	2	149	33	99	990	0.00
	22:15	3	19	2	15	19	16	19	2	141	34	98	990	0.00
	22:30	4	19	1	15	18	15	19	2	134	34	97	990	0.00
	22:45	2	19	1	15	19	16	19	2	122	35	95	990	0.00
	23:00	5	20	3	15	19	16	20	3	129	35	94	990	0.00
	23:15	6	21	4	16	20	16	21	3	135	35	93	990	0.00
	23:30	4	20	4	16	20	17	21	2	122	35	93	990	0.00
	23:45	6	21	5	16	21	18	22	2	101	35	92	990	0.00
	00:00	7	22	4	17	21	18	22	3	90	35	93	989	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	8	20	2	18	19	17	21	3	198	41	98	987	0.00
	00:30	3	19	2	18	19	17	20	4	205	41	98	987	0.00
	00:45	2	17	2	16	17	14	18	3	216	41	98	987	0.02
	01:00	0	16	2	15	15	15	17	3	211	41	98	987	0.03
	01:15	1	15	2	14	15	13	17	3	204	41	98	987	0.00
	01:30	0	13	2	12	13	13	15	4	208	41	98	987	0.01
	01:45	0	10	1	9	11	9	11	4	202	41	98	987	0.00
	02:00	0	8	1	7	9	8	9	5	201	41	98	987	0.00
	02:15	0	7	1	7	8	7	8	5	198	41	98	987	0.00
	02:30	0	7	1	7	8	7	8	5	201	41	98	987	0.00
	02:45	0	8	1	6	8	7	8	4	203	41	98	987	0.02
	03:00	0	7	1	6	7	7	8	4	192	41	98	987	0.01
	03:15	0	7	1	7	8	6	8	3	197	41	98	986	0.00
	03:30	0	8	1	7	8	7	8	4	194	41	98	986	0.00
	03:45	0	9	1	7	8	7	9	4	193	41	98	986	0.00
	04:00	0	9	1	7	9	7	9	4	191	41	98	986	0.00
	04:15	0	8	1	8	9	7	8	4	189	41	98	986	0.00
	04:30	0	12	1	13	12	10	12	4	197	41	98	986	0.00
	04:45	3	19	2	18	18	16	19	5	197	41	98	986	0.00
	05:00	2	18	2	16	17	15	18	6	200	41	98	985	0.00
	05:15	1	17	2	16	16	14	17	6	201	41	98	985	0.00
	05:30	1	15	2	15	16	13	16	5	195	41	98	985	0.00
	05:45	0	15	2	16	16	13	16	5	204	41	98	985	0.00
	06:00	2	17	3	16	18	15	19	6	209	42	98	985	0.00
	06:15	4	20	4	19	18	16	21	6	213	42	98	985	0.00
	06:30	3	20	3	18	19	17	20	6	208	42	99	985	0.00
	06:45	5	21	3	19	20	17	21	5	212	42	99	985	0.00
	07:00	3	19	3	19	20	18	22	5	212	42	99	985	0.01
	07:15	0	14	3	14	15	14	18	6	219	42	98	985	0.00
	07:30	0	10	2	9	10	11	12	6	216	42	97	986	0.01
	07:45	0	4	1	4	5	5	5	5	211	42	96	986	0.00
	08:00	0	4	0	2	4	4	4	4	213	41	96	986	0.00
	08:15	0	4	0	2	4	4	5	4	212	41	96	987	0.00
	08:30	0	4	0	2	4	4	5	5	215	41	95	987	0.00
	08:45	0	3	0	1	3	3	4	4	207	41	95	987	0.00
	09:00	0	3	0	0	3	3	3	5	210	40	94	987	0.01
	09:15	0	3	0	0	3	3	3	5	206	40	94	988	0.00
	09:30	0	2	0	0	3	2	3	4	207	40	94	988	0.00
	09:45	0	2	0	0	3	3	3	4	223	40	93	988	0.00
	10:00	0	3	0	0	3	3	3	5	210	40	93	988	0.00
	10:15	0	3	0	1	3	3	4	4	206	40	93	988	0.00
	10:30	0	3	0	1	3	3	3	4	217	42	90	988	0.00
	10:45	0	2	0	0	2	2	2	5	213	42	86	988	0.00
	11:00	0	2	0	0	2	2	2	4	220	41	88	988	0.00
	11:15	0	2	0	0	2	2	2	4	230	41	87	988	0.00
	11:30	0	2	0	0	2	2	2	4	227	41	87	988	0.00
	11:45	0	3	1	2	3	2	3	4	227	40	86	988	0.00
12/3/2023	12:00	0	4	1	3	4	4	5	5	222	41	80	988	0.00
	12:15	0	6	2	5	5	5	6	5	222	42	80	988	0.00
	12:30	0	8	2	7	8	8	9	4	223	42	77	989	0.00
	12:45	0	11	4	8	10	9	10	4	218	42	76	989	0.00
	13:00	0	11	4	10	12	11	12	4	217	43	71	989	0.00
	13:15	0	11	4	12	12	11	12	3	225	43	74	989	0.00
	13:30	0	12	4	12	14	11	13	3	215	43	73	989	0.00
	13:45	0	13	5	13	13	12	13	4	216	43	72	989	0.00
	14:00	1	14	5	13	15	12	14	5	221	43	73	989	0.00
	14:15	3	17	6	14	14	12	14	4	219	43	75	989	0.00
	14:30	7	17	5	15	16	14	17	3	215	42	77	989	0.00
	14:45	3	19	7	16	18	16	18	4	210	42	78	989	0.00
	15:00	6	19	6	19	19	18	19	3	209	42	77	989	0.00
	15:15	4	18	7	16	19	16	19	3	206	42	77	989	0.00
	15:30	3	19	6	16	18	16	18	3	209	42	78	989	0.00
	15:45	5	19	6	18	19	17	21	4	211	42	80	990	0.00
	16:00	3	19	7	17	17	15	19	4	219	42	78	990	0.00
	16:15	5	19	6	16	16	16	19	4	222	42	80	990	0.00
	16:30	3	16	5	15	16	15	17	2	201	41	82	990	0.00
	16:45	1	16	5	14	17	14	17	2	206	40	83	990	0.00
	17:00	2	14	4	13	15	12	15	2	195	40	87	990	0.00
	17:15	2	15	4	14	15	13	16	2	214	40	86	990	0.00
	17:30	2	16	5	17	17	14	17	2	204	39	89	990	0.00
	17:45	1	16	4	14	16	15	17	2	196	39	92	990	0.00
	18:00	6	19	3	14	17	16	19	2	204	38	93	990	0.00
	18:15	6	20	5	16	17	17	21	2	219	37	92	990	0.00
	18:30	2	18	4	14	17	15	18	2	174	36	94	990	0.00
	18:45	2	17	3	13	16	13	17	1	198	35	95	990	0.00
	19:00	2	15	2	9	15	13	15	1	202	35	96	990	0.00
	19:15	1	15	2	11	15	13	15	2	190	34	97	990	0.00
	19:30	0	15	2	10	14	12	15	1	151	33	97	990	0.00
	19:45	1	14	2	10	15	12	15	1	170	33	97	990	0.00
	20:00	1	15	2	12	16	12	15	2	196	33	98	990	0.00
	20:15	3	19	3	16	18	15	17	1	189	32	98	990	0.00
	20:30	2	18	2	13	16	14	17	1	186	32	98	990	0.00
	20:45	3	18	3	20	18	14	18	1	184	32	98	990	0.00
	21:00	5	20	3	18	19	18	20	1	156	32	99	990	0.00
	21:15	4	21	3	17	19	16	21	1	124	33	99	990	0.00
	21:30	10	26	5	22	26	22	26	1	117	32	99	990	0.00
	21:45	5	22	3	19	22	20	26	2	143	33	99	990	0.00
	22:00	4	20	2	15	18	15	18	2	149	33	99	990	0.00
	22:15	3	19	2	15	19	16	19	2	141	34	98	990	0.00
	22:30	4	19	1	15	18	15	19	2	134	34	97	990	0.00
	22:45	2	19	1	15	19	16	19	2	122	35	95	990	0.00
	23:00	5	20	3	15	19	16	20	3	129	35	94	990	0.00
	23:15	6	21	4	16	20	16	21	3	135	35	93	990	0.00
	23:30	4	20	4	16	20	17	21	2	122	35	93	990	0.00
	23:45	6	21	5	16	21	18	22	2	101	35	92	990	0.00
	00:00	7	22	4	17	21	18	22	3	90	35	93	989	0.00

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

Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	8	20	5	19	20	18	20	3	110	34	93	989	0.00
	00:30	9	21	5	20	21	18	21	4	107	34	92	989	0.00
	00:45	7	21	5	20	21	17	22	4	101	35	92	989	0.00
	01:00	9	21	6	19	21	18	22	4	98	35	92	989	0.00
	01:15	8	20	5	19	20	18	22	4	83	35	91	989	0.00
	01:30	6	20	5	19	20	18	21	4	95	35	91	989	0.00
	01:45	8	20	5	18	19	16	20	4	80	35	91	989	0.00
	02:00	7	20	5	17	19	17	20	4	85	35	90	989	0.00
	02:15	6	19	5	17	19	17	19	4	92	35	90	989	0.00
	02:30	6	18	5	17	18	17	19	5	75	35	90	989	0.00
	02:45	6	18	5	17	18	15	18	6	61	36	90	988	0.00
	03:00	5	17	5	16	17	15	17	7	73	36	89	988	0.00
	03:15	4	17	4	16	17	16	17	7	69	36	87	988	0.00
	03:30	6	17	5	16	17	15	17	8	70	36	86	988	0.00
	03:45	6	17	5	16	18	16	18	7	68	36	86	988	0.00
	04:00	5	17	5	17	17	16	18	7	75	36	85	988	0.00
	04:15	4	17	5	16	17	15	18	6	66	36	85	988	0.00
	04:30	5	17	5	16	16	14	17	6	64	36	85	988	0.00
	04:45	5	17	5	15	17	15	17	5	113	36	85	988	0.00
	05:00	5	17	5	16	16	15	17	6	76	36	85	989	0.00
	05:15	3	16	5	15	16	14	17	5	82	36	85	989	0.00
	05:30	4	16	5	15	16	14	16	5	85	36	86	989	0.00
	05:45	4	15	5	15	16	14	16	4	88	36	86	989	0.00
	06:00	3	15	4	15	16	13	16	2	100	36	87	989	0.00
	06:15	3	15	5	15	15	14	16	1	352	36	86	990	0.00
	06:30	4	15	5	15	15	14	16	1	352	36	87	990	0.00
	06:45	4	16	5	15	16	14	16	2	7	36	88	991	0.00
	07:00	4	16	4	15	16	15	16	2	1	36	90	991	0.00
	07:15	4	16	4	16	17	15	17	2	42	35	91	991	0.00
	07:30	6	17	5	16	17	15	17	2	46	35	91	991	0.00
	07:45	5	17	4	16	17	14	17	3	21	35	91	992	0.00
	08:00	4	16	5	17	17	15	17	3	15	35	90	992	0.00
	08:15	5	17	5	16	17	15	18	2	26	36	90	992	0.00
	08:30	7	18	5	17	18	16	19	3	12	36	89	992	0.00
	08:45	9	19	6	18	20	18	20	2	24	37	87	993	0.00
	09:00	7	20	7	19	21	19	21	2	29	37	87	993	0.00
	09:15	9	20	7	20	20	19	21	2	5	37	88	993	0.00
	09:30	10	20	6	20	21	19	22	2	31	37	86	993	0.00
	09:45	9	20	7	21	20	19	22	3	30	37	86	993	0.00
	10:00	9	21	7	21	22	20	23	3	24	38	83	993	0.00
	10:15	10	22	9	22	23	24	25	2	22	38	83	994	0.00
	10:30	12	22	8	23	24	21	24	2	17	39	81	994	0.00
	10:45	10	19	7	20	21	20	23	3	27	40	75	994	0.00
	11:00	11	19	7	21	21	23	25	4	66	41	75	994	0.00
	11:15	10	19	7	20	20	19	22	4	57	42	76	994	0.00
	11:30	10	19	7	20	20	22	24	3	38	42	76	994	0.00
	11:45	11	19	7	23	24	23	25	3	29	42	76	994	0.00
12/4/2023	12:00	11	19	7	24	20	24	25	3	41	43	73	994	0.01
	12:15	10	18	7	22	21	21	23	3	43	43	74	994	0.00
	12:30	12	19	7	24	23	24	25	3	109	43	71	994	0.00
	12:45	14	22	8	25	22	26	25	2	37	43	75	995	0.00
	13:00	16	23	8	24	23	23	23	2	200	43	75	995	0.00
	13:15	18	25	9	26	25	21	27	2	210	43	75	995	0.00
	13:30	16	25	10	28	24	26	28	2	209	43	74	995	0.00
	13:45	15	28	10	30	27	28	25	2	208	43	76	996	0.00
	14:00	12	28	10	25	25	24	30	2	172	43	76	996	0.00
	14:15	19	24	10	29	24	30	26	2	212	43	74	995	0.00
	14:30	17	28	10	29	28	26	28	2	202	43	74	995	0.00
	14:45	11	26	10	25	24	23	25	3	203	43	74	996	0.00
	15:00	13	22	8	23	22	20	24	4	212	43	75	996	0.00
	15:15	13	26	9	26	23	25	24	4	214	43	73	996	0.00
	15:30	15	24	9	24	24	24	26	3	208	43	73	996	0.00
	15:45	11	21	8	21	21	19	22	3	207	43	75	996	0.00
	16:00	7	19	6	20	18	19	20	3	202	42	74	996	0.00
	16:15	8	20	7	21	22	21	22	2	194	42	75	996	0.00
	16:30	9	19	7	19	18	17	18	2	199	42	73	996	0.00
	16:45	6	17	7	18	16	18	18	2	199	42	79	996	0.00
	17:00	5	16	5	16	14	13	15	2	208	42	79	996	0.00
	17:15	4	15	5	16	15	14	16	2	198	41	80	996	0.00
	17:30	4	16	5	16	15	12	14	2	194	41	85	996	0.00
	17:45	3	15	4	16	14	12	13	3	198	41	83	997	0.00
	18:00	3	15	5	17	14	11	13	3	195	41	82	997	0.00
	18:15	3	16	5	17	13	14	15	3	206	41	80	997	0.00
	18:30	7	18	6	19	15	15	16	2	201	41	80	997	0.00
	18:45	2	17	5	18	15	13	15	3	197	41	83	997	0.00
	19:00	3	14	5	15	14	12	14	2	182	41	83	997	0.00
	19:15	4	14	4	15	13	14	16	2	196	41	85	997	0.00
	19:30	1	15	5	16	15	11	12	2	192	40	86	997	0.00
	19:45	3	14	4	13	14	13	14	2	187	40	88	997	0.00
	20:00	7	17	4	15	13	13	14	3	183	40	87	997	0.00
	20:15	6	18	4	17	17	13	15	2	196	39	88	997	0.00
	20:30	6	17	4	17	16	14	17	3	184	39	90	997	0.00
	20:45	4	19	4	19	17	13	15	2	196	39	90	997	0.00
	21:00	8	19	5	20	17	15	17	2	195	39	90	997	0.00
	21:15	10	21	5	21	19	17	19	3	189	39	90	996	0.00
	21:30	9	22	6	23	21	18	21	3	208	39	89	996	0.00
	21:45	11	23	6	24	21	20	23	3	205	40	89	996	0.00
	22:00	13	24	6	25	22	19	23	4	207	40	88	996	0.00
	22:15	13	26	7	26	23	20	24	4	209	40	87	996	0.00
	22:30	13	27	8	28	25	24	27	5	207	40	88	996	0.00
	22:45	18	31	9	31	28	25	30	5	211	40	88	996	0.00
	23:00	20	32	10	33	30	27	32	5	216	40	88	996	0.00
	23:15	18	33	9	33	31	27	33	3	210	40	88	996	0.00
	23:30	19	32	9	32	31	28	32	4	204	40	89	995	0.00
	23:45	19	31	9	30	30	27	31	5	215	40	89	995	0.00
	00:00	18	30	9	29	29	26	30	4	217	40	89	996	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	25	29	8	28	26	23	27	3	210	40	90	996	0.00
	00:30	26	28	8	26	26	24	28	3	194	40	90	995	0.00
	00:45	24	27	7	26	26	24	28	3	197	39	91	995	0.00
	01:00	26	28	7	26	26	24	28	3	205	39	91	995	0.00
	01:15	26	27	7	26	26	23	29	3	214	39	92	995	0.00
	01:30	22	26	7	24	25	21	27	3	208	39	93	995	0.00
	01:45	23	24	6	23	24	22	25	4	198	39	94	995	0.00
	02:00	22	25	5	22	24	21	25	3	186	39	95	995	0.01
	02:15	20	23	4	20	21	19	24	4	192	39	96	994	0.00
	02:30	20	22	4	20	21	19	23	4	197	39	96	994	0.01
	02:45	20	22	4	20	21	18	22	4	190	39	96	994	0.00
	03:00	18	21	4	20	21	18	22	4	187	39	95	994	0.00
	03:15	19	21	4	21	21	19	22	3	186	38	96	993	0.00
	03:30	18	20	3	20	20	18	21	4	190	38	97	993	0.00
	03:45	17	20	3	19	19	16	20	4	190	38	96	993	0.00
	04:00	18	19	3	19	18	16	19	3	183	37	97	993	0.00
	04:15	17	20	3	19	18	17	20	3	188	37	97	993	0.00
	04:30	18	19	3	19	19	16	20	3	189	37	97	993	0.00
	04:45	16	19	3	19	18	15	19	5	198	37	97	993	0.00
	05:00	17	18	3	18	17	15	17	4	190	37	97	993	0.00
	05:15	16	17	3	17	16	14	17	5	195	38	96	992	0.00
	05:30	17	17	3	17	17	15	18	5	197	37	96	992	0.00
	05:45	14	17	3	17	16	14	17	4	201	37	96	992	0.00
	06:00	16	17	3	16	16	13	17	4	204	37	96	992	0.00
	06:15	15	16	3	16	16	14	16	5	208	37	95	992	0.00
	06:30	13	15	3	14	14	12	15	4	209	37	95	992	0.00
	06:45	14	15	3	15	14	12	15	4	217	37	94	992	0.00
	07:00	13	15	4	16	15	13	15	4	211	37	94	992	0.00
	07:15	14	15	3	15	14	12	15	4	220	37	93	992	0.00
	07:30	13	15	4	15	14	12	15	4	210	37	93	992	0.00
	07:45	13	15	3	14	13	12	14	3	212	37	93	992	0.00
	08:00	13	14	3	13	13	11	14	4	210	38	92	992	0.00
	08:15	11	13	3	13	13	11	13	4	210	38	91	992	0.00
	08:30	11	12	3	12	11	10	12	4	218	39	90	992	0.00
	08:45	11	12	3	12	11	10	12	4	220	39	89	992	0.00
	09:00	10	11	3	11	11	10	11	4	223	40	87	993	0.00
	09:15	9	11	3	10	10	10	11	4	220	41	86	993	0.00
	09:30	9	10	3	8	9	9	10	4	216	41	87	993	0.00
	09:45	8	8	2	8	9	8	9	4	213	42	85	993	0.00
	10:00	7	8	2	7	8	7	8	3	215	43	83	993	0.00
	10:15	8	7	2	6	7	7	8	3	203	44	79	993	0.00
	10:30	7	7	2	6	6	7	7	3	213	46	75	993	0.00
	10:45	8	7	2	7	7	7	8	2	229	46	75	993	0.00
	11:00	7	7	2	6	7	7	7	2	195	45	76	993	0.00
	11:15	7	7	2	6	7	7	7	2	241	47	72	993	0.00
	11:30	8	7	2	7	7	8	8	3	221	46	75	993	0.00
	11:45	9	8	2	7	8	8	9	3	223	46	76	993	0.00
12/5/2023	12:00	8	8	2	7	7	7	8	3	218	45	78	993	0.00
	12:15	7	8	2	7	7	7	7	3	216	44	77	993	0.00
	12:30	8	9	2	6	8	7	8	3	211	44	78	994	0.00
	12:45	6	7	2	7	6	7	7	3	226	44	77	994	0.00
	13:00	7	7	2	6	7	7	7	4	219	44	76	994	0.00
	13:15	6	6	1	7	7	7	7	3	227	43	77	994	0.00
	13:30	6	6	1	7	6	6	6	3	216	43	78	994	0.00
	13:45	8	8	2	8	7	7	7	3	214	43	77	995	0.00
	14:00	8	8	2	9	9	8	8	3	209	42	80	995	0.00
	14:15	12	13	3	13	13	13	15	3	302	41	82	995	0.00
	14:30	18	18	5	17	17	17	20	3	252	41	80	996	0.00
	14:45	21	21	7	20	21	19	22	3	255	40	81	996	0.00
	15:00	30	29	8	29	29	25	31	3	236	40	84	996	0.00
	15:15	35	39	10	38	39	34	41	3	227	40	86	997	0.00
	15:30	28	31	7	31	30	28	31	3	236	39	88	997	0.00
	15:45	22	23	5	23	22	20	25	3	252	39	91	997	0.00
	16:00	23	27	5	25	26	22	27	3	239	38	93	998	0.00
	16:15	18	19	3	18	17	18	20	3	269	38	94	998	0.00
	16:30	11	12	2	12	11	11	12	3	283	38	93	998	0.00
	16:45	10	11	3	12	11	9	11	3	305	38	92	999	0.00
	17:00	10	11	2	11	11	9	11	3	277	38	91	999	0.00
	17:15	8	9	2	9	9	8	9	4	287	38	90	1000	0.00
	17:30	7	8	2	8	7	7	7	4	309	39	90	1000	0.00
	17:45	7	8	2	9	8	7	8	4	292	39	90	1000	0.00
	18:00	11	12	3	12	12	10	12	3	309	39	89	1000	0.00
	18:15	14	14	4	15	14	12	14	3	291	39	88	1001	0.00
	18:30	14	17	5	16	16	14	17	3	305	39	87	1001	0.00
	18:45	17	18	5	18	18	16	19	3	321	39	87	1001	0.00
	19:00	18	18	6	18	18	16	19	3	304	39	87	1001	0.00
	19:15	16	19	5	18	19	16	19	3	305	39	87	1001	0.00
	19:30	17	19	6	19	19	17	20	3	329	39	87	1001	0.00
	19:45	19	20	6	20	20	16	21	3	318	38	86	1001	0.00
	20:00	20	21	6	19	21	18	22	3	300	38	87	1002	0.00
	20:15	21	24	7	22	24	21	25	3	337	38	86	1002	0.00
	20:30	26	26	8	24	25	23	28	3	332	38	85	1003	0.00
	20:45	26	27	8	24	26	24	28	3	312	38	86	1003	0.00
	21:00	25	26	7	24	25	23	27	2	320	37	86	1003	0.00
	21:15	21	23	6	22	24	20	26	2	289	37	87	1003	0.00
	21:30	25	26	7	24	26	23	28	3	289	37	86	1003	0.00
	21:45	29	30	8	28	30	27	32	2	261	37	87	1003	0.00
	22:00	31	34	9	32	34	30	35	2	280	36	88	1003	0.00
	22:15	30	35	7	32	34	30	36	2	240	36	89	1003	0.00
	22:30	35	35	9	33	36	29	37	2	240	36	89	1003	0.00
	22:45	36	36	9	34	36	32	39	2	250	36	89	1003	0.00
	23:00	33	37	9	34	35	33	39	2	252	36	88	1004	0.00
	23:15	34	36	10	33	36	33	39	2	254	36	87	1004	0.00
	23:30	32	32	9	30	33	30	35	2	256	36	85	1004	0.00
	23:45	26	26	8	24	27	23	29	2	273	37	82	1004	0.00
	00:00	20	22	6	20	22	20	23	2	285	37	82	1004	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	19	21	6	20	21	19	21	2	269	37	81	1005	0.00
	00:30	19	21	6	21	21	21	22	2	266	37	81	1004	0.00
	00:45	18	21	6	22	22	20	23	2	276	37	82	1005	0.00
	01:00	18	22	6	23	22	20	24	2	272	37	81	1005	0.00
	01:15	21	23	7	22	22	20	25	2	246	37	82	1005	0.00
	01:30	22	24	7	24	23	21	26	2	253	37	82	1005	0.00
	01:45	22	25	7	25	25	22	27	2	229	37	82	1005	0.00
	02:00	21	26	7	25	26	24	27	2	227	37	82	1005	0.00
	02:15	23	25	8	26	26	24	27	1	235	37	82	1005	0.00
	02:30	23	26	8	26	26	24	28	2	239	37	82	1005	0.00
	02:45	23	26	7	25	25	24	28	2	215	37	83	1005	0.00
	03:00	21	26	7	25	25	23	28	1	222	37	83	1005	0.00
	03:15	22	26	7	25	25	23	28	2	212	37	84	1005	0.00
	03:30	23	27	7	26	26	23	27	2	210	37	84	1005	0.00
	03:45	22	25	7	26	26	23	26	2	208	37	84	1005	0.00
	04:00	21	25	8	25	26	23	27	1	220	37	85	1005	0.00
	04:15	24	26	7	27	26	25	29	2	211	37	85	1005	0.00
	04:30	22	26	8	27	26	22	28	2	223	37	86	1005	0.00
	04:45	23	26	7	27	25	22	27	2	223	37	87	1005	0.00
	05:00	26	32	8	31	32	27	33	2	218	37	88	1005	0.00
	05:15	37	40	10	40	37	30	38	2	218	37	88	1005	0.00
	05:30	43	45	13	44	44	38	45	2	225	37	88	1005	0.00
	05:45	41	46	13	44	48	41	49	2	229	36	87	1005	0.00
	06:00	40	48	13	45	47	42	49	2	230	36	88	1006	0.00
	06:15	45	46	12	45	47	42	49	2	228	36	87	1006	0.00
	06:30	44	45	13	47	45	40	48	2	228	36	86	1006	0.00
	06:45	37	44	13	46	44	39	46	2	235	36	86	1006	0.00
	07:00	41	44	12	43	41	39	46	2	235	36	86	1006	0.00
	07:15	40	42	12	41	41	38	44	2	233	36	85	1006	0.00
	07:30	37	41	12	40	41	37	43	2	233	36	84	1006	0.00
	07:45	33	40	11	40	40	36	40	3	224	36	84	1006	0.00
	08:00	34	37	11	33	36	32	38	3	226	36	82	1006	0.00
	08:15	34	37	12	39	36	34	40	3	228	36	81	1006	0.00
	08:30	43	43	13	42	44	41	48	3	230	36	80	1006	0.00
	08:45	42	57	17	59	61	56	63	3	224	36	78	1007	0.00
	09:00	85	75	22	85	67	70	74	3	202	37	75	1007	0.00
	09:15	71	68	22	71	74	79	79	3	222	37	74	1007	0.00
	09:30	56	64	19	56	64	64	68	3	231	37	73	1007	0.00
	09:45	50	47	15	49	47	50	53	3	235	37	74	1007	0.00
	10:00	34	39	14	41	36	37	41	3	234	37	75	1007	0.00
	10:15	39	38	14	34	40	40	44	3	236	38	74	1007	0.00
	10:30	33	36	12	36	32	33	37	3	235	38	73	1007	0.00
	10:45	34	34	12	36	37	35	39	4	226	38	74	1007	0.00
	11:00	35	33	12	34	34	36	39	3	223	39	70	1006	0.00
	11:15	32	33	12	34	33	35	38	5	210	40	71	1006	0.00
	11:30	30	33	12	35	35	34	36	4	213	40	70	1006	0.00
	11:45	30	32	11	34	34	33	36	4	230	40	71	1006	0.00
12/6/2023	12:00	31	33	12	34	37	33	36	5	219	40	71	1006	0.00
	12:15	31	33	11	34	34	32	36	4	207	41	70	1005	0.00
	12:30	31	33	11	35	36	33	36	5	224	40	71	1005	0.00
	12:45	31	34	12	34	33	34	37	5	208	41	69	1005	0.00
	13:00	28	31	11	33	33	34	35	5	204	41	70	1004	0.00
	13:15	28	31	11	33	33	33	36	4	218	42	69	1004	0.00
	13:30	28	31	11	35	32	33	36	4	213	42	68	1004	0.00
	13:45	28	32	10	34	31	34	37	5	195	42	69	1003	0.00
	14:00	28	32	10	34	31	34	35	5	201	43	71	1003	0.00
	14:15	29	31	10	35	31	31	36	6	207	43	70	1003	0.00
	14:30	31	33	11	37	33	34	36	6	207	43	69	1003	0.00
	14:45	32	34	11	36	34	36	39	5	206	43	69	1002	0.00
	15:00	33	35	11	35	34	35	37	5	207	43	69	1002	0.00
	15:15	34	36	12	36	36	31	38	5	198	43	70	1002	0.00
	15:30	35	37	12	34	32	30	34	4	207	44	69	1002	0.00
	15:45	35	34	12	37	36	32	36	5	211	43	68	1002	0.00
	16:00	36	37	12	33	32	31	34	5	202	43	71	1002	0.00
	16:15	30	32	11	34	29	28	32	4	203	43	72	1002	0.00
	16:30	34	35	10	33	33	30	33	5	207	42	73	1001	0.00
	16:45	32	37	11	35	35	27	34	4	199	41	75	1001	0.00
	17:00	30	36	11	34	32	28	33	3	192	41	76	1001	0.00
	17:15	36	38	12	36	34	31	38	4	199	40	76	1001	0.00
	17:30	39	40	12	37	35	32	38	4	200	40	76	1001	0.00
	17:45	33	38	11	37	36	33	38	3	207	40	76	1001	0.00
	18:00	35	39	12	37	35	30	36	3	194	39	79	1001	0.00
	18:15	37	39	11	38	35	32	37	3	188	39	80	1001	0.00
	18:30	38	39	12	38	36	31	37	3	189	38	81	1001	0.00
	18:45	35	41	12	39	37	30	38	4	190	39	80	1001	0.00
	19:00	38	43	13	42	40	35	41	4	189	39	80	1000	0.00
	19:15	42	44	13	43	41	38	45	4	194	39	80	1000	0.00
	19:30	41	44	12	43	40	40	45	4	190	38	80	1000	0.00
	19:45	36	45	13	41	40	37	44	4	197	38	80	999	0.00
	20:00	39	43	13	39	39	35	44	4	195	38	80	999	0.00
	20:15	39	41	12	38	38	32	39	4	205	38	80	999	0.00
	20:30	34	39	12	36	36	31	38	4	198	38	80	999	0.00
	20:45	32	37	11	35	35	30	36	4	202	37	80	999	0.00
	21:00	34	36	11	34	34	30	35	4	196	38	79	999	0.00
	21:15	32	34	11	32	32	28	34	4	196	38	78	998	0.00
	21:30	27	33	10	32	30	27	32	5	198	38	78	998	0.00
	21:45	29	32	10	31	29	26	32	5	208	38	78	998	0.00
	22:00	28	31	10	30	28	24	31	6	202	38	78	998	0.00
	22:15	26	30	10	29	30	25	30	6	198	38	78	998	0.00
	22:30	25	30	10	29	29	25	30	5	201	38	78	998	0.00
	22:45	27	30	10	29	29	27	30	6	204	38	79	998	0.00
	23:00	26	29	9	29	28	25	29	5	200	38	80	997	0.00
	23:15	25	29	9	28	27	24	30	5	197	37	81	997	0.00
	23:30	24	29	9	28	26	24	30	6	209	37	82	997	0.00
	23:45	26	29	9	28	27	25	29	5	206	37	82	997	0.00
	00:00	25	29	9	27	27	25	30	5	210	37	83	997	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	23	28	8	27	26	23	26	6	205	37	83	997	0.00
	00:30	26	28	8	26	26	24	27	5	203	37	84	996	0.00
	00:45	25	28	8	26	26	23	28	5	203	36	84	996	0.00
	01:00	23	28	8	27	27	22	27	5	207	37	84	996	0.00
	01:15	26	28	8	27	27	23	27	5	207	36	84	996	0.00
	01:30	26	29	8	27	26	24	27	5	205	37	84	996	0.00
	01:45	24	28	8	26	26	24	27	5	200	37	84	996	0.00
	02:00	23	28	8	26	25	23	27	5	207	37	84	996	0.00
	02:15	27	28	8	26	25	22	26	6	205	37	84	996	0.00
	02:30	25	28	7	26	25	23	26	6	207	37	84	996	0.00
	02:45	22	27	7	25	25	23	26	6	201	37	84	995	0.00
	03:00	23	26	7	25	24	22	25	5	204	36	85	995	0.00
	03:15	24	26	7	23	24	21	24	5	210	36	85	995	0.00
	03:30	23	25	7	23	25	20	24	5	207	36	84	995	0.00
	03:45	21	25	7	24	24	21	24	5	205	36	85	995	0.00
	04:00	22	25	6	23	24	21	24	4	212	36	85	995	0.00
	04:15	22	24	7	23	23	20	23	5	208	36	86	995	0.00
	04:30	21	23	6	22	22	19	22	5	203	36	85	994	0.00
	04:45	19	23	6	22	21	18	22	5	208	36	85	994	0.00
	05:00	20	22	6	21	21	18	21	5	210	36	86	994	0.00
	05:15	19	22	6	21	21	18	20	5	208	36	86	994	0.00
	05:30	17	21	6	20	20	18	20	5	213	36	86	994	0.00
	05:45	18	20	5	19	19	16	19	5	205	36	86	994	0.00
	06:00	18	20	5	18	19	15	18	5	209	36	86	994	0.00
	06:15	16	19	5	18	18	16	17	5	212	36	86	994	0.00
	06:30	15	18	5	17	17	15	17	5	208	36	86	993	0.00
	06:45	16	18	5	17	16	15	16	5	207	36	86	993	0.00
	07:00	16	17	5	16	16	14	16	5	208	36	86	993	0.00
	07:15	13	18	4	16	16	14	16	5	209	36	86	993	0.00
	07:30	15	17	4	16	16	14	15	5	211	36	85	993	0.00
	07:45	15	16	4	15	16	14	15	5	211	36	85	993	0.00
	08:00	13	16	5	15	15	14	15	5	208	37	83	993	0.00
	08:15	13	16	5	15	16	13	15	6	209	38	81	993	0.00
	08:30	15	17	5	16	16	13	15	5	210	39	80	993	0.00
	08:45	15	17	5	16	15	13	15	5	204	40	79	993	0.00
	09:00	14	16	5	17	15	14	15	5	208	41	77	993	0.00
	09:15	16	17	6	17	16	14	15	6	200	42	77	993	0.00
	09:30	15	15	4	18	14	14	14	5	211	44	71	993	0.00
	09:45	12	13	4	16	13	12	12	7	212	46	68	993	0.00
	10:00	12	13	4	15	13	13	14	7	213	47	66	993	0.00
	10:15	11	12	4	13	13	12	11	6	224	48	65	993	0.00
	10:30	10	11	3	11	12	12	11	6	215	49	65	992	0.00
	10:45	10	11	3	14	10	11	11	5	216	50	64	992	0.00
	11:00	10	11	3	14	11	11	10	6	213	51	64	992	0.00
	11:15	9	11	3	12	10	11	10	5	212	52	63	992	0.00
	11:30	9	11	3	11	11	10	10	6	218	52	62	991	0.00
	11:45	9	10	3	11	11	10	10	6	222	53	61	991	0.00
12/7/2023	12:00	9	10	3	11	10	10	10	6	231	54	63	991	0.00
	12:15	9	10	3	10	10	10	10	6	217	55	59	990	0.00
	12:30	8	9	2	10	9	9	9	5	220	56	59	990	0.00
	12:45	7	9	2	9	9	9	9	6	223	56	59	990	0.00
	13:00	7	9	2	8	8	9	9	5	217	57	59	990	0.00
	13:15	7	8	2	8	8	9	9	5	210	58	57	989	0.00
	13:30	7	9	2	9	8	10	9	5	223	58	59	989	0.00
	13:45	7	9	2	9	8	10	9	5	226	58	60	989	0.00
	14:00	7	9	2	10	8	10	9	4	216	58	59	989	0.00
	14:15	7	8	2	10	8	10	9	4	218	58	58	989	0.00
	14:30	7	8	2	9	8	9	8	5	215	59	57	988	0.00
	14:45	7	9	2	10	9	10	9	4	206	59	57	988	0.00
	15:00	9	11	3	12	11	12	11	4	210	59	58	988	0.00
	15:15	10	11	3	11	11	12	12	4	214	57	60	988	0.00
	15:30	10	11	3	12	11	11	11	4	205	57	61	988	0.00
	15:45	10	12	3	13	12	12	12	4	200	56	62	988	0.00
	16:00	12	13	4	14	14	13	12	4	212	55	63	988	0.00
	16:15	13	13	4	14	14	13	14	4	201	54	63	988	0.00
	16:30	18	17	5	16	16	17	18	3	204	54	64	988	0.00
	16:45	23	20	5	20	16	24	26	2	199	53	65	988	0.00
	17:00	16	15	4	15	14	19	19	2	198	52	68	988	0.00
	17:15	14	12	3	15	13	15	16	3	198	52	67	988	0.00
	17:30	10	11	3	13	10	12	12	4	196	52	68	988	0.00
	17:45	13	12	3	14	12	14	15	4	207	51	68	988	0.00
	18:00	11	12	3	12	12	13	13	4	209	51	68	988	0.00
	18:15	11	11	3	12	10	13	12	4	201	51	68	988	0.00
	18:30	11	10	2	12	10	11	11	5	209	51	67	987	0.00
	18:45	8	10	3	13	9	10	9	4	203	51	65	987	0.00
	19:00	10	10	3	12	11	10	10	5	206	52	65	987	0.00
	19:15	9	10	2	10	10	10	9	5	204	51	66	987	0.00
	19:30	8	9	2	10	9	9	9	4	205	51	67	987	0.00
	19:45	9	10	2	11	9	9	9	5	205	51	67	987	0.00
	20:00	8	10	2	10	10	9	9	5	201	51	67	987	0.00
	20:15	9	10	3	12	9	9	9	5	202	50	68	987	0.00
	20:30	8	10	3	11	9	9	9	6	197	50	68	987	0.00
	20:45	8	9	2	10	9	9	8	6	198	50	69	987	0.00
	21:00	8	9	2	10	9	9	8	6	199	49	70	987	0.00
	21:15	7	9	2	10	9	8	8	6	199	49	71	987	0.00
	21:30	8	9	2	10	8	8	8	5	201	49	71	986	0.00
	21:45	7	9	2	9	9	9	8	5	205	48	71	986	0.00
	22:00	7	8	2	8	8	8	7	5	204	48	71	986	0.00
	22:15	7	8	2	8	8	8	7	5	214	48	71	987	0.00
	22:30	7	8	2	8	8	8	7	6	201	47	73	987	0.00
	22:45	6	8	2	8	8	8	7	7	207	48	72	987	0.00
	23:00	7	8	2	8	8	7	8	7	209	47	72	987	0.00
	23:15	7	8	2	8	8	7	7	7	202	47	72	987	0.00
	23:30	6	8	2	7	8	7	7	7	202	47	73	988	0.00
	23:45	6	8	2	7	8	7	7	6	206	47	73	988	0.00
	00:00	6	7	2	7	7	7	6	8	205	47	72	988	0.00

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

Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
12/8/2023	00:15	6	7	2	7	7	6	8	7	206	47	72	988	0.00
	00:30	7	7	2	6	7	6	7	8	207	47	72	987	0.00
	00:45	6	6	2	6	6	6	7	7	206	47	70	987	0.00
	01:00	6	6	1	6	6	6	7	8	200	47	69	987	0.00
	01:15	6	6	1	6	6	5	7	7	203	47	69	987	0.00
	01:30	5	5	1	7	6	5	6	7	207	47	68	987	0.00
	01:45	5	5	1	6	6	5	6	7	203	47	66	987	0.00
	02:00	5	5	1	6	5	5	6	7	205	47	66	987	0.00
	02:15	5	5	1	6	5	4	6	7	200	47	65	987	0.00
	02:30	5	5	1	6	6	5	6	6	202	47	65	987	0.00
	02:45	5	5	1	6	5	5	6	7	206	47	65	987	0.00
	03:00	5	5	1	6	5	4	6	6	199	47	66	987	0.00
	03:15	5	5	1	6	5	5	6	6	203	47	66	987	0.00
	03:30	5	5	1	6	5	5	6	6	200	47	66	987	0.00
	03:45	5	5	1	7	5	5	6	7	201	47	66	987	0.00
	04:00	5	5	1	6	5	5	6	7	198	47	66	987	0.00
	04:15	6	5	1	6	5	5	6	7	207	47	66	986	0.00
	04:30	5	6	1	7	6	5	6	7	203	46	68	987	0.00
	04:45	5	5	1	6	5	5	6	7	205	46	68	987	0.00
	05:00	5	6	1	7	5	5	6	6	200	46	69	987	0.00
	05:15	6	5	1	7	5	5	6	5	198	46	69	987	0.00
	05:30	6	6	2	7	6	5	7	5	181	45	70	987	0.00
	05:45	6	6	2	7	6	6	7	5	183	45	70	987	0.00
	06:00	7	7	2	7	6	6	7	5	190	45	70	987	0.00
	06:15	6	7	2	8	7	6	7	5	188	45	70	987	0.00
	06:30	7	7	2	8	7	6	8	5	198	45	71	987	0.00
	06:45	7	8	2	8	7	7	8	5	196	45	71	987	0.00
	07:00	7	8	2	9	7	7	8	5	189	45	72	987	0.00
	07:15	7	8	2	9	8	7	8	6	189	44	72	987	0.00
	07:30	8	8	2	8	7	7	8	6	194	45	72	987	0.00
	07:45	8	8	2	8	7	7	8	6	196	45	71	987	0.00
	08:00	8	9	5	9	8	7	9	5	196	45	70	987	0.00
	08:15	9	8	2	9	8	6	8	6	199	46	69	987	0.00
	08:30	8	9	3	9	8	7	9	5	202	47	68	988	0.00
	08:45	9	9	3	8	8	8	9	6	198	48	67	988	0.00
	09:00	9	9	3	9	9	8	10	6	217	48	67	987	0.00
	09:15	10	10	3	9	9	9	10	6	212	49	67	988	0.00
	09:30	10	10	3	11	9	9	11	6	211	49	67	988	0.00
	09:45	11	11	3	10	10	10	11	6	210	49	68	988	0.00
	10:00	10	10	3	11	10	10	11	6	216	50	66	988	0.00
	10:15	11	11	3	14	11	10	11	6	211	51	65	988	0.00
	10:30	11	11	3	13	10	10	12	7	211	53	66	988	0.00
	10:45	11	11	3	11	11	11	13	6	211	53	66	988	0.00
	11:00	11	11	3	12	11	12	13	5	214	53	64	987	0.00
	11:15	12	12	4	12	12	12	13	6	220	55	64	987	0.00
	11:30	12	12	4	13	12	12	14	7	215	55	64	987	0.00
	11:45	12	12	4	13	12	11	13	6	213	56	64	987	0.00
	12:00	11	12	4	12	12	11	13	7	211	57	63	987	0.00
	12:15	11	12	4	12	12	11	13	7	215	57	64	987	0.00
	12:30	12	12	4	12	13	12	14	5	226	56	66	986	0.00
	12:45	13	13	4	15	13	12	14	5	224	56	67	986	0.00
	13:00	13	15	5	16	14	13	15	5	224	55	68	986	0.00
	13:15	13	14	5	18	15	13	15	5	213	55	68	986	0.00
	13:30	14	14	5	16	15	13	15	4	225	55	69	986	0.00
	13:45	13	14	5	15	14	13	15	4	213	55	68	986	0.00
	14:00	16	17	5	19	17	15	17	4	216	55	68	986	0.00
	14:15	19	21	6	22	28	19	21	4	224	55	69	986	0.00
	14:30	19	24	7	24	27	19	21	4	211	55	70	986	0.00
	14:45	23	17	4	15	16	26	31	3	196	55	71	985	0.00
	15:00	22	18	5	17	16	25	27	3	210	54	73	986	0.00
	15:15	17	17	4	16	16	19	22	3	212	54	73	986	0.00
	15:30	16	16	5	16	17	15	18	4	208	55	73	986	0.00
	15:45	15	16	5	16	16	15	17	4	211	55	73	986	0.00
	16:00	14	15	5	16	16	13	17	3	209	55	73	986	0.00
	16:15	14	15	4	15	15	14	16	4	206	55	73	986	0.00
	16:30	15	14	4	15	15	14	17	5	210	55	72	986	0.00
	16:45	13	13	4	14	13	14	15	4	205	55	72	986	0.00
	17:00	13	14	4	14	13	13	16	4	214	55	73	986	0.00
	17:15	14	14	4	14	14	13	16	4	205	55	74	986	0.00
	17:30	16	17	5	17	16	16	18	4	213	55	75	986	0.00
	17:45	16	18	5	17	17	17	20	4	203	54	77	986	0.00
	18:00	17	17	5	18	17	17	20	5	210	54	78	986	0.00
	18:15	17	17	5	17	17	16	19	5	211	53	81	987	0.00
	18:30	17	19	5	19	18	18	21	6	213	53	83	987	0.00
	18:45	18	20	5	19	19	18	22	5	207	53	84	986	0.00
	19:00	18	19	5	17	18	17	21	4	208	53	85	986	0.00
	19:15	15	16	4	15	16	15	18	4	207	53	85	986	0.00
	19:30	12	14	4	13	14	13	16	4	209	53	86	986	0.00
	19:45	12	12	3	12	12	11	14	5	212	54	86	986	0.00
	20:00	11	11	3	11	11	11	14	4	201	54	86	986	0.00
	20:15	11	12	3	12	12	11	14	4	196	54	86	986	0.00
	20:30	12	13	3	13	13	12	15	4	206	54	87	986	0.00
	20:45	12	13	3	13	13	12	15	5	200	54	88	986	0.00
	21:00	10	11	2	11	11	11	13	5	220	54	89	986	0.00
	21:15	9	10	2	11	10	9	12	5	213	54	92	986	0.00
	21:30	8	9	2	11	9	8	11	5	214	54	94	986	0.00
	21:45	6	7	1	9	7	7	8	5	209	53	94	985	0.00
	22:00	5	7	1	7	6	6	8	5	208	53	95	985	0.01
	22:15	6	7	1	9	7	6	9	5	212	53	95	985	0.00
	22:30	7	8	2	10	8	7	9	5	212	53	95	985	0.00
	22:45	6	7	1	9	7	7	9	6	206	53	95	985	0.00
	23:00	6	7	1	9	7	7	9	5	217	53	95	985	0.00
	23:15	6	7	1	9	7	7	9	5	202	54	95	984	0.00
	23:30	6	7	1	9	7	6	9	6	207	54	95	984	0.00
	23:45	5	6	1	8	7	6	8	6	210	54	94	984	0.00
	00:00	5	6	1	8	6	6	8	5	202	55	94	984	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	6	6	1	8	6	6	7	6	213	55	94	984	0.00
	00:30	5	6	1	8	6	5	7	5	213	55	93	983	0.00
	00:45	5	6	1	6	6	6	7	5	214	55	93	983	0.00
	01:00	5	5	1	6	5	5	6	6	217	56	92	983	0.00
	01:15	5	6	1	7	6	6	7	5	212	56	92	983	0.00
	01:30	6	7	1	8	6	6	7	6	216	56	91	983	0.00
	01:45	6	7	1	8	7	7	8	6	211	56	91	983	0.00
	02:00	7	8	2	9	7	7	9	6	220	57	90	983	0.00
	02:15	7	8	2	9	8	8	9	7	216	57	89	983	0.00
	02:30	8	8	2	9	8	8	9	6	218	57	90	983	0.00
	02:45	8	9	2	9	9	8	10	7	220	57	90	983	0.00
	03:00	9	9	2	9	9	9	11	6	220	57	90	983	0.00
	03:15	8	10	2	10	10	9	11	7	225	57	90	983	0.00
	03:30	9	9	2	9	9	9	11	6	214	57	90	982	0.00
	03:45	7	9	2	9	9	9	10	7	217	57	89	982	0.00
	04:00	9	9	2	9	9	9	10	7	214	57	90	982	0.00
	04:15	8	9	2	8	9	8	10	7	221	57	90	982	0.00
	04:30	8	9	2	7	8	8	9	8	229	58	87	983	0.00
	04:45	7	8	2	7	8	7	9	8	242	59	87	983	0.00
	05:00	6	7	1	6	7	8	9	7	248	57	87	984	0.00
	05:15	6	6	1	6	6	7	7	5	244	53	90	984	0.00
	05:30	4	5	1	4	5	5	6	4	254	51	88	985	0.00
	05:45	5	5	1	5	4	5	6	3	243	50	88	986	0.00
	06:00	4	4	1	5	4	5	5	3	240	49	88	986	0.00
	06:15	3	4	0	4	4	5	5	3	219	48	88	987	0.00
	06:30	3	4	0	4	4	4	4	3	216	47	88	987	0.00
	06:45	3	3	0	3	3	4	4	3	216	46	89	987	0.00
	07:00	3	3	0	3	3	3	4	4	212	46	90	987	0.00
	07:15	3	3	0	3	3	4	4	3	209	45	90	988	0.00
	07:30	2	3	0	3	3	3	4	4	216	45	90	988	0.00
	07:45	2	3	0	3	3	3	3	4	212	45	90	989	0.00
	08:00	2	2	0	2	2	3	3	4	218	46	89	989	0.00
	08:15	2	2	0	2	2	3	3	5	219	46	88	989	0.00
	08:30	2	2	0	2	2	2	3	4	218	47	87	989	0.00
	08:45	2	2	0	2	2	2	2	3	212	47	87	990	0.00
	09:00	2	2	0	2	2	2	3	4	211	46	88	990	0.00
	09:15	2	2	0	2	2	2	3	3	223	47	85	990	0.00
	09:30	2	2	0	3	2	2	2	3	235	49	82	990	0.00
	09:45	2	2	0	2	1	2	1	4	232	50	80	990	0.00
	10:00	1	1	0	2	1	1	1	4	237	51	76	990	0.00
	10:15	1	1	0	1	1	1	1	3	240	51	77	990	0.00
	10:30	2	2	0	2	1	2	2	5	247	51	72	991	0.00
	10:45	1	2	0	2	1	2	1	5	240	52	71	991	0.00
	11:00	2	2	0	2	2	2	2	4	239	52	68	990	0.00
	11:15	1	2	0	2	2	2	2	4	234	52	70	990	0.00
	11:30	2	2	0	2	2	2	2	5	238	52	71	990	0.00
	11:45	1	2	0	2	2	2	2	5	236	52	70	990	0.00
12/9/2023	12:00	1	2	0	2	2	2	2	5	235	52	68	990	0.00
	12:15	2	2	0	2	2	2	2	5	238	53	67	990	0.00
	12:30	1	2	0	2	2	2	2	5	247	53	66	990	0.00
	12:45	2	2	0	2	1	2	2	5	240	54	63	990	0.00
	13:00	1	2	0	2	2	2	2	6	243	55	60	990	0.00
	13:15	1	2	0	2	1	2	2	4	242	55	59	990	0.00
	13:30	4	3	0	4	5	7	8	5	242	54	58	990	0.00
	13:45	4	4	1	6	8	12	14	5	246	54	58	990	0.00
	14:00	27	18	7	24	42	65	75	4	239	54	59	990	0.00
	14:15	25	24	8	31	42	77	84	5	243	54	60	990	0.00
	14:30	23	22	6	16	15	21	21	6	239	53	57	990	0.00
	14:45	10	9	2	8	14	22	22	5	242	53	53	990	0.00
	15:00	1	2	0	2	6	12	12	5	246	53	53	990	0.00
	15:15	1	2	0	2	4	7	7	5	241	52	54	990	0.00
	15:30	1	1	0	1	1	3	3	3	245	52	56	991	0.00
	15:45	1	1	0	2	2	4	4	4	243	50	61	991	0.00
	16:00	1	1	0	1	2	5	5	3	243	49	66	991	0.00
	16:15	1	1	0	1	2	3	3	4	250	48	62	991	0.00
	16:30	1	1	0	2	1	3	2	4	225	47	63	992	0.00
	16:45	1	1	0	2	2	2	1	4	219	46	65	992	0.00
	17:00	1	2	0	1	1	1	1	3	217	46	66	992	0.00
	17:15	1	2	0	2	1	1	1	4	221	45	66	993	0.00
	17:30	1	1	0	1	1	2	2	4	216	45	67	993	0.00
	17:45	1	1	0	1	1	1	1	3	213	45	65	993	0.00
	18:00	1	1	0	1	1	1	1	4	222	45	66	993	0.00
	18:15	1	1	0	1	1	1	1	4	221	45	65	993	0.00
	18:30	1	1	0	0	1	1	1	4	227	44	65	994	0.00
	18:45	2	1	0	1	1	1	1	3	221	44	63	994	0.00
	19:00	2	2	0	1	1	1	1	3	221	43	62	994	0.00
	19:15	1	1	0	1	1	1	1	4	215	43	62	994	0.00
	19:30	1	1	0	2	1	1	1	3	210	42	62	994	0.00
	19:45	2	2	0	2	1	1	1	3	213	42	62	994	0.00
	20:00	1	2	0	1	1	1	0	3	220	42	63	995	0.00
	20:15	2	2	0	2	1	1	1	3	217	42	65	995	0.00
	20:30	2	2	0	2	1	1	1	3	224	41	65	995	0.00
	20:45	1	2	0	2	1	1	0	3	219	41	66	995	0.00
	21:00	2	2	0	2	1	1	1	4	229	40	67	995	0.00
	21:15	2	3	0	2	2	2	1	4	236	39	67	995	0.00
	21:30	2	2	0	2	2	1	1	3	231	39	68	995	0.00
	21:45	2	3	0	2	2	2	1	4	227	39	69	995	0.00
	22:00	2	2	0	2	2	1	2	3	235	38	69	995	0.00
	22:15	2	2	0	1	2	1	1	3	227	38	68	995	0.00
	22:30	1	1	0	1	1	0	0	3	231	38	66	995	0.00
	22:45	1	1	0	1	1	0	0	3	226	38	67	996	0.00
	23:00	2	1	0	1	1	1	1	3	223	38	68	996	0.00
	23:15	1	1	0	1	1	0	0	4	222	37	68	996	0.00
	23:30	1	1	0	1	1	0	0	3	221	37	68	996	0.00
	23:45	1	1	0	1	1	0	0	3	234	37	68	996	0.00
	00:00	1	2	0	1	1	0	0	3	239	37	68	996	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	0	1	0	1	1	1	2	3	234	37	69	996	0.00
	00:30	0	1	0	1	1	2	2	3	234	36	71	995	0.00
	00:45	0	1	0	1	1	2	2	3	234	36	72	996	0.00
	01:00	0	1	0	1	1	2	2	3	239	36	72	995	0.00
	01:15	1	2	0	1	2	2	3	3	238	36	73	995	0.00
	01:30	1	2	0	2	2	2	3	3	238	36	74	995	0.00
	01:45	1	2	0	2	2	3	3	3	239	36	74	995	0.00
	02:00	1	2	0	2	2	3	3	3	229	36	73	995	0.00
	02:15	1	2	0	2	2	3	3	3	228	36	74	995	0.00
	02:30	1	2	0	2	2	2	3	3	225	36	74	995	0.00
	02:45	1	3	0	2	2	3	3	3	228	36	73	995	0.00
	03:00	1	3	0	2	2	3	3	3	226	36	75	995	0.00
	03:15	1	3	0	2	3	2	3	3	232	36	73	996	0.00
	03:30	1	3	0	2	2	3	3	2	227	36	72	996	0.00
	03:45	1	2	0	1	2	2	2	3	221	36	69	996	0.00
	04:00	0	2	0	2	1	1	2	3	230	35	70	996	0.00
	04:15	1	2	0	2	1	2	2	3	243	35	70	996	0.00
	04:30	1	2	0	2	2	2	3	3	240	35	72	996	0.00
	04:45	1	2	0	2	2	2	3	3	239	35	73	996	0.00
	05:00	1	2	0	2	2	2	3	2	237	35	73	996	0.00
	05:15	1	2	0	2	2	2	3	2	237	35	73	996	0.00
	05:30	1	3	0	2	2	3	3	2	233	35	74	996	0.00
	05:45	1	3	0	2	2	3	3	3	240	35	73	997	0.00
	06:00	0	2	0	1	2	2	2	3	241	35	73	997	0.00
	06:15	0	1	0	1	1	1	2	3	239	34	73	997	0.00
	06:30	0	1	0	1	1	1	1	3	248	34	74	997	0.00
	06:45	0	1	0	1	1	1	1	3	234	34	75	997	0.00
	07:00	0	1	0	1	1	1	2	2	221	34	75	997	0.00
	07:15	0	1	0	1	1	1	1	3	233	33	75	997	0.00
	07:30	0	1	0	1	1	1	1	3	230	33	75	997	0.00
	07:45	0	1	0	1	1	1	1	3	245	33	74	997	0.00
	08:00	0	1	0	1	1	1	1	2	281	33	74	997	0.00
	08:15	0	2	0	1	1	1	1	3	251	33	75	997	0.00
	08:30	0	2	0	2	2	2	2	3	254	33	74	997	0.00
	08:45	1	2	0	2	2	2	3	3	280	33	75	997	0.00
	09:00	1	2	0	2	2	2	3	3	305	33	76	997	0.00
	09:15	0	2	0	2	2	2	3	3	309	33	76	997	0.00
	09:30	0	2	0	1	2	2	2	3	323	33	76	997	0.00
	09:45	1	2	0	2	2	2	3	2	267	33	77	997	0.00
	10:00	1	3	0	2	2	3	3	2	258	34	75	997	0.00
	10:15	1	3	0	2	2	2	3	2	247	34	74	997	0.00
	10:30	2	3	1	2	3	3	4	3	243	34	75	997	0.00
	10:45	1	3	0	2	2	3	3	3	243	34	75	997	0.00
	11:00	2	3	1	2	3	2	4	3	255	34	75	997	0.00
	11:15	2	4	1	3	3	3	4	2	244	35	75	997	0.00
	11:30	1	3	1	2	3	3	4	2	241	35	75	997	0.00
	11:45	2	3	1	2	3	3	4	2	273	35	75	997	0.00
	12:00	2	3	0	2	3	3	4	3	246	35	76	997	0.00
12/10/2023	12:15	5	6	1	4	5	5	7	3	253	34	75	997	0.00
	12:30	4	4	1	3	6	6	7	3	251	34	76	997	0.00
	12:45	3	4	1	3	4	5	5	2	243	34	76	997	0.00
	13:00	2	3	0	1	2	3	3	3	245	34	74	997	0.00
	13:15	1	3	1	1	2	3	3	3	270	34	74	997	0.00
	13:30	2	2	0	1	2	3	3	3	265	34	75	997	0.00
	13:45	2	4	1	2	3	3	3	3	246	34	75	997	0.00
	14:00	2	3	1	2	3	3	3	2	260	34	75	997	0.00
	14:15	2	3	1	2	3	3	4	3	256	34	75	997	0.00
	14:30	1	3	0	2	2	3	3	3	239	34	73	998	0.00
	14:45	2	3	1	2	3	3	4	3	263	34	73	998	0.00
	15:00	3	4	1	3	3	4	4	2	267	34	73	998	0.00
	15:15	6	8	3	7	5	4	5	2	267	34	71	998	0.00
	15:30	3	5	1	4	4	5	6	2	247	34	71	998	0.00
	15:45	2	4	1	3	3	4	4	2	256	34	71	998	0.00
	16:00	3	4	1	4	4	3	4	1	264	33	73	998	0.00
	16:15	3	4	1	4	4	4	5	2	283	33	74	998	0.00
	16:30	3	5	1	5	5	5	6	2	316	32	75	998	0.00
	16:45	8	8	2	6	7	11	14	2	239	32	77	998	0.00
	17:00	21	16	5	15	15	15	18	1	239	31	84	998	0.00
	17:15	15	14	3	10	11	12	14	1	233	29	82	998	0.00
	17:30	9	9	2	7	8	7	9	1	276	29	83	998	0.00
	17:45	17	13	3	10	9	9	11	1	269	29	84	998	0.00
	18:00	8	9	3	10	8	7	8	1	224	28	84	998	0.00
	18:15	9	11	3	10	10	8	11	1	230	28	88	998	0.00
	18:30	11	12	3	11	10	9	11	1	282	27	89	998	0.00
	18:45	44	28	4	15	12	18	24	1	300	27	89	998	0.00
	19:00	20	24	3	10	7	25	26	1	332	27	88	998	0.00
	19:15	4	6	1	5	5	4	6	1	273	27	89	998	0.00
	19:30	15	14	1	6	8	9	11	1	246	26	93	998	0.00
	19:45	29	18	2	7	10	18	21	1	283	26	93	998	0.00
	20:00	14	11	2	9	9	13	14	1	214	26	94	999	0.00
	20:15	10	12	3	13	11	9	11	1	255	25	94	999	0.00
	20:30	11	12	3	13	11	10	12	1	284	25	94	998	0.00
	20:45	10	11	2	11	10	10	12	1	240	25	95	998	0.00
	21:00	9	11	2	10	9	9	11	1	289	24	95	998	0.00
	21:15	7	10	3	11	9	8	11	2	270	24	96	998	0.00
	21:30	7	9	2	10	8	7	10	1	252	24	96	998	0.00
	21:45	6	7	2	8	7	6	8	1	258	24	95	998	0.00
	22:00	5	8	2	7	7	6	7	1	294	23	95	998	0.00
	22:15	6	7	2	8	8	7	8	1	282	23	95	998	0.00
	22:30	6	8	2	8	8	6	8	1	283	23	96	998	0.00
	22:45	7	8	2	8	7	6	8	1	267	23	96	998	0.00
	23:00	6	8	2	8	7	7	8	1	259	23	96	998	0.00
	23:15	6	8	2	8	7	6	8	1	293	23	96	998	0.00
	23:30	7	9	3	9	7	6	8	1	270	23	96	998	0.00
	23:45	8	10	3	10	9	7	9	1	276	22	96	998	0.00
	00:00	6	10	3	9	10	7	9	1	270	22	97	998	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	4	7	2	8	8	7	8	1	252	23	97	998	0.00
	00:30	2	8	2	7	7	7	8	1	258	22	97	998	0.00
	00:45	2	8	2	7	7	7	9	1	239	22	96	998	0.00
	01:00	17	14	3	8	8	15	18	1	288	22	96	998	0.00
	01:15	54	32	9	36	22	76	91	1	290	22	96	998	0.00
	01:30	167	161	45	147	68	120	141	1	283	22	96	998	0.00
	01:45	123	146	37	130	149	169	195	1	277	21	96	998	0.00
	02:00	147	115	42	158	97	122	132	1	311	21	96	998	0.00
	02:15	129	150	37	144	100	109	122	1	290	21	96	998	0.00
	02:30	124	139	34	152	114	96	110	1	287	21	97	998	0.00
	02:45	110	114	28	125	95	103	116	1	249	21	96	998	0.00
	03:00	132	123	29	120	128	102	115	1	299	21	96	999	0.00
	03:15	114	126	32	121	135	131	145	1	238	21	96	999	0.00
	03:30	156	156	35	106	157	173	187	1	165	21	95	999	0.00
	03:45	94	73	16	62	72	99	109	1	230	21	96	999	0.00
	04:00	102	59	11	39	41	53	57	1	212	21	95	999	0.00
	04:15	22	30	7	26	28	26	30	1	233	20	95	999	0.00
	04:30	23	29	5	18	18	24	29	1	247	20	96	999	0.00
	04:45	50	70	23	84	112	49	53	1	243	22	97	1000	0.00
	05:00	31	53	11	33	58	57	69	1	215	22	96	1000	0.00
	05:15	10	11	3	10	11	16	16	1	233	22	96	1000	0.00
	05:30	6	11	3	10	11	10	12	1	191	21	95	1000	0.00
	05:45	6	11	3	11	11	10	12	1	221	21	95	1000	0.00
	06:00	6	12	3	11	11	10	12	1	222	21	96	1000	0.00
	06:15	11	13	3	12	12	11	14	1	234	22	96	1000	0.00
	06:30	9	14	3	14	14	14	16	1	195	22	96	1000	0.00
	06:45	11	16	4	15	16	13	16	1	218	22	96	1000	0.00
	07:00	12	16	3	15	16	14	19	1	226	23	96	1000	0.00
	07:15	11	17	3	16	17	15	18	1	192	24	95	1001	0.00
	07:30	11	17	4	16	16	14	18	1	194	25	95	1001	0.00
	07:45	3	17	3	16	16	15	18	1	192	25	94	1001	0.00
	08:00	13	9	4	15	15	14	17	1	218	25	94	1001	0.00
	08:15	14	15	2	8	15	13	15	1	206	26	95	1001	0.00
	08:30	11	13	2	11	9	11	14	2	210	28	92	1001	0.00
	08:45	13	13	3	10	11	14	16	2	216	30	88	1001	0.00
	09:00	15	14	3	11	14	17	19	2	213	30	87	1001	0.00
	09:15	11	12	3	10	11	11	13	3	196	32	83	1001	0.00
	09:30	12	11	4	10	10	10	12	3	191	33	82	1001	0.00
	09:45	11	13	3	10	10	11	12	3	195	34	79	1001	0.00
	10:00	12	10	3	11	9	10	11	3	199	35	80	1001	0.00
	10:15	9	10	3	9	8	9	10	3	198	36	76	1001	0.00
	10:30	11	11	3	9	9	10	12	3	189	37	73	1001	0.00
	10:45	11	10	3	9	9	10	11	4	177	38	69	1001	0.00
	11:00	13	12	3	10	10	13	15	3	193	39	70	1001	0.00
	11:15	8	9	3	8	10	10	10	6	213	38	70	1001	0.00
	11:30	8	9	3	7	8	9	10	4	214	39	67	1001	0.00
	11:45	7	8	2	8	8	8	9	4	199	40	68	1000	0.00
12/11/2023	12:00	6	7	2	9	7	7	8	5	208	40	65	1000	0.00
	12:15	6	6	2	9	7	7	7	5	203	41	66	1000	0.00
	12:30	5	6	2	8	7	7	7	5	216	41	63	1000	0.00
	12:45	6	6	2	7	7	7	8	5	218	41	65	1000	0.00
	13:00	6	6	2	6	6	7	8	4	193	42	61	999	0.00
	13:15	5	5	1	5	6	7	7	5	193	43	59	999	0.00
	13:30	5	6	1	5	6	7	7	6	197	43	57	999	0.00
	13:45	5	6	1	5	5	7	8	4	198	44	56	999	0.00
	14:00	5	5	1	5	5	6	7	4	196	45	56	999	0.00
	14:15	7	7	2	7	7	9	9	5	171	45	57	999	0.00
	14:30	5	6	1	7	5	7	8	4	178	46	55	999	0.00
	14:45	5	5	1	8	5	6	7	4	185	46	55	999	0.00
	15:00	5	5	1	6	5	7	7	4	189	46	54	999	0.00
	15:15	5	5	1	5	4	6	6	4	183	46	54	999	0.00
	15:30	4	4	1	4	4	5	6	4	181	46	55	999	0.00
	15:45	4	4	1	4	5	6	6	4	182	44	56	999	0.00
	16:00	5	4	1	6	4	5	5	4	178	43	59	999	0.00
	16:15	4	4	1	5	4	5	5	3	186	42	61	1000	0.00
	16:30	4	4	1	5	5	4	4	2	189	41	63	1000	0.00
	16:45	4	4	1	5	4	5	5	2	187	40	64	1000	0.00
	17:00	5	5	1	4	4	6	7	3	194	40	68	1000	0.00
	17:15	6	5	1	4	4	7	8	2	205	38	70	1000	0.00
	17:30	6	5	1	4	4	8	10	2	207	37	71	1000	0.00
	17:45	5	6	1	5	5	5	5	2	191	36	72	1000	0.00
	18:00	5	5	1	4	5	5	6	2	198	36	73	1000	0.00
	18:15	5	5	1	4	5	5	5	3	181	36	71	1000	0.00
	18:30	5	5	1	4	5	5	5	3	173	37	70	1000	0.00
	18:45	5	5	1	4	5	5	5	3	175	37	69	1000	0.00
	19:00	5	5	1	4	5	5	5	3	181	37	68	1000	0.00
	19:15	5	5	1	4	5	5	5	3	180	37	68	1000	0.00
	19:30	5	6	1	4	5	5	6	3	198	36	69	1000	0.00
	19:45	7	7	2	5	6	6	7	3	194	36	69	1000	0.00
	20:00	7	7	2	6	7	7	8	3	195	36	70	1001	0.00
	20:15	7	6	1	5	6	8	9	3	208	35	72	1001	0.00
	20:30	5	5	1	4	5	6	7	3	196	35	73	1001	0.00
	20:45	5	6	1	5	5	5	5	2	187	34	75	1001	0.00
	21:00	6	6	1	5	5	5	6	2	187	34	75	1000	0.00
	21:15	7	7	2	6	6	6	6	2	189	34	75	1000	0.00
	21:30	7	8	2	6	7	6	7	3	193	34	75	1000	0.00
	21:45	8	8	2	6	7	6	8	3	196	35	74	1000	0.00
	22:00	9	9	2	7	7	8	9	3	204	35	73	1000	0.00
	22:15	9	9	2	7	8	9	10	4	208	35	72	1000	0.00
	22:30	8	9	2	7	9	8	9	4	212	36	73	1001	0.00
	22:45	8	9	2	8	9	8	9	3	209	36	73	1001	0.00
	23:00	8	9	2	8	10	8	9	3	213	35	75	1001	0.00
	23:15	8	8	2	7	9	7	9	3	223	35	75	1001	0.00
	23:30	8	8	2	6	8	7	8	3	219	34	76	1001	0.00
	23:45	7	7	2	6	7	7	8	3	227	34	75	1001	0.00
	00:00	6	7	1	5	6	6	7	3	230	34	76	1001	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	1	7	1	6	6	6	6	4	222	34	77	1001	0.00
	00:30	0	7	1	7	6	6	6	3	217	33	78	1001	0.00
	00:45	0	7	1	6	5	6	6	3	218	33	79	1001	0.00
	01:00	0	7	1	7	6	6	6	3	225	32	80	1001	0.00
	01:15	0	8	2	7	6	5	6	3	229	32	81	1001	0.00
	01:30	0	7	1	7	5	6	6	2	233	31	84	1002	0.00
	01:45	0	8	1	7	6	6	7	2	230	31	86	1002	0.00
	02:00	0	7	1	7	6	5	6	2	242	30	86	1002	0.00
	02:15	0	7	1	7	6	6	6	2	244	29	87	1002	0.00
	02:30	0	7	1	7	6	6	6	1	236	29	89	1002	0.00
	02:45	0	6	1	7	6	6	6	1	242	28	88	1002	0.00
	03:00	0	7	1	8	6	6	7	1	242	28	89	1002	0.00
	03:15	0	7	1	8	6	6	7	1	255	28	89	1002	0.00
	03:30	0	7	1	8	6	6	7	1	247	28	88	1002	0.00
	03:45	0	7	1	8	6	5	7	1	244	28	91	1002	0.00
	04:00	0	7	1	8	7	5	6	1	242	27	93	1002	0.00
	04:15	0	8	2	10	8	6	7	1	233	27	93	1003	0.00
	04:30	1	10	2	9	7	7	8	1	224	27	91	1003	0.00
	04:45	1	8	1	8	7	6	7	1	223	27	91	1003	0.00
	05:00	2	10	1	8	7	9	10	1	242	27	93	1003	0.00
	05:15	1	11	2	11	9	11	12	1	250	26	92	1003	0.00
	05:30	0	8	2	11	10	7	8	1	243	26	94	1003	0.00
	05:45	0	7	2	9	7	6	7	1	247	26	94	1003	0.00
	06:00	0	7	1	9	7	6	7	1	242	26	95	1004	0.00
	06:15	0	8	2	10	10	6	7	1	234	26	94	1004	0.00
	06:30	0	10	3	13	11	9	11	1	238	26	93	1004	0.00
	06:45	0	9	2	11	9	8	9	2	243	27	92	1004	0.00
	07:00	0	8	2	9	8	7	7	2	234	27	89	1005	0.00
	07:15	0	8	2	9	7	7	8	2	242	28	89	1005	0.00
	07:30	0	8	2	9	7	7	8	2	240	28	90	1005	0.00
	07:45	6	8	2	8	7	7	8	2	230	29	89	1005	0.00
	08:00	6	8	2	8	7	8	8	2	228	30	84	1005	0.00
	08:15	6	8	2	8	7	7	8	2	227	33	78	1006	0.00
	08:30	6	9	2	9	8	7	8	3	227	35	72	1006	0.00
	08:45	7	10	2	10	8	8	9	2	227	37	70	1006	0.00
	09:00	8	10	3	9	8	8	9	2	227	37	69	1007	0.00
	09:15	8	10	2	10	10	9	9	2	234	39	66	1007	0.00
	09:30	8	10	2	10	9	9	10	2	256	40	62	1007	0.00
	09:45	7	9	2	10	10	8	10	2	290	41	62	1008	0.00
	10:00	6	8	2	9	8	8	9	3	347	41	57	1008	0.00
	10:15	5	7	1	7	7	8	8	3	5	42	54	1008	0.00
	10:30	4	6	1	9	6	6	6	3	20	42	52	1008	0.00
	10:45	3	5	1	7	5	5	5	3	23	42	47	1008	0.00
	11:00	3	5	1	6	5	5	5	3	28	43	47	1008	0.00
	11:15	3	5	1	6	5	5	5	3	18	44	49	1008	0.00
	11:30	3	5	1	10	5	5	5	3	44	45	44	1008	0.00
	11:45	3	5	1	6	4	5	5	3	14	44	43	1008	0.00
12/12/2023	12:00	2	4	1	6	4	4	4	3	225	46	38	1008	0.00
	12:15	1	4	0	5	3	4	4	3	356	47	38	1008	0.00
	12:30	1	3	0	4	3	4	4	3	24	46	37	1008	0.00
	12:45	1	3	0	4	3	4	4	2	7	46	36	1008	0.00
	13:00	1	3	0	4	3	4	4	2	250	48	37	1008	0.00
	13:15	1	4	1	5	3	4	4	2	312	48	33	1009	0.00
	13:30	0	3	0	5	2	3	3	2	295	50	32	1009	0.00
	13:45	0	3	0	5	2	3	3	2	292	49	31	1009	0.00
	14:00	1	3	0	5	2	3	3	2	268	49	36	1009	0.00
	14:15	1	3	0	5	2	3	3	3	239	49	31	1009	0.00
	14:30	1	4	1	4	2	4	4	2	251	50	31	1008	0.00
	14:45	2	5	1	4	3	4	4	2	248	50	31	1008	0.00
	15:00	1	4	1	4	3	4	4	2	323	49	33	1008	0.00
	15:15	2	5	1	6	4	4	4	2	5	48	36	1009	0.00
	15:30	3	6	1	6	4	4	4	2	202	47	38	1009	0.00
	15:45	1	4	1	6	3	4	4	2	206	47	36	1009	0.00
	16:00	1	4	1	6	3	3	3	2	208	46	38	1009	0.00
	16:15	2	5	1	6	3	3	3	2	204	43	43	1010	0.00
	16:30	4	6	1	8	5	5	5	2	205	42	44	1010	0.00
	16:45	5	6	1	7	5	5	6	2	201	40	46	1010	0.00
	17:00	4	6	1	7	6	7	7	2	208	39	50	1010	0.00
	17:15	5	7	2	10	7	6	7	1	218	39	52	1010	0.00
	17:30	6	8	2	9	7	7	8	2	215	38	54	1011	0.00
	17:45	7	9	2	10	9	11	13	2	224	37	56	1011	0.00
	18:00	7	10	2	10	11	12	13	2	214	36	66	1011	0.00
	18:15	6	9	2	10	9	10	10	1	234	35	67	1011	0.00
	18:30	6	8	2	9	8	7	8	2	228	34	66	1011	0.00
	18:45	6	8	2	8	7	7	8	2	230	34	63	1011	0.00
	19:00	9	11	3	14	11	9	11	1	226	34	60	1012	0.00
	19:15	9	11	4	17	12	10	11	2	227	34	67	1012	0.00
	19:30	7	10	2	12	9	8	9	2	227	33	74	1012	0.00
	19:45	8	10	3	12	9	8	9	2	234	32	65	1012	0.00
	20:00	9	11	4	18	11	9	10	1	235	33	62	1012	0.00
	20:15	12	15	4	22	14	10	11	1	294	33	61	1012	0.00
	20:30	6	11	3	16	11	9	9	2	328	34	59	1012	0.00
	20:45	6	9	3	14	10	7	7	2	339	34	59	1012	0.00
	21:00	8	11	3	17	10	8	9	2	323	34	60	1012	0.00
	21:15	5	8	3	17	10	6	6	2	355	34	61	1012	0.00
	21:30	6	11	11	45	26	6	7	2	7	34	61	1012	0.00
	21:45	9	11	11	43	29	8	8	2	11	34	61	1012	0.00
	22:00	4	11	5	17	11	7	7	3	15	34	62	1013	0.00
	22:15	3	6	2	9	6	5	5	2	6	34	65	1013	0.00
	22:30	3	6	3	13	8	5	5	1	357	33	68	1013	0.00
	22:45	3	6	2	9	6	4	5	1	319	33	68	1013	0.00
	23:00	5	7	2	8	6	6	6	1	13	33	69	1013	0.00
	23:15	5	7	1	7	5	6	6	1	2	33	66	1013	0.00
	23:30	3	5	1	9	5	5	5	2	10	33	66	1014	0.00
	23:45	5	7	2	8	6	6	6	2	5	33	66	1014	0.00
	00:00	5	6	1	8	5	6	6	2	1	33	65	1014	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
12/13/2023	00:15	4	5	1	6	4	4	5	2	360	33	66	1014	0.00
	00:30	4	6	1	5	5	5	5	2	8	33	67	1014	0.00
	00:45	6	5	1	3	3	4	5	2	35	33	67	1014	0.00
	01:00	4	6	2	7	5	5	5	1	6	34	64	1014	0.00
	01:15	3	5	1	6	5	4	5	1	341	34	64	1014	0.00
	01:30	7	11	4	8	8	6	7	1	29	34	63	1014	0.00
	01:45	11	7	1	4	4	7	7	2	50	34	63	1014	0.00
	02:00	3	4	1	4	3	4	4	2	47	33	62	1014	0.00
	02:15	13	6	1	6	4	4	5	1	38	33	64	1015	0.00
	02:30	8	9	3	10	7	7	8	1	339	33	64	1015	0.00
	02:45	7	8	2	8	6	7	7	1	12	33	64	1015	0.00
	03:00	4	6	2	7	7	5	5	1	341	33	65	1015	0.00
	03:15	2	4	1	5	4	4	4	1	279	33	67	1015	0.00
	03:30	2	4	0	3	4	3	4	1	289	33	67	1015	0.00
	03:45	4	5	3	12	7	4	4	1	333	33	67	1015	0.00
	04:00	5	20	8	22	20	9	10	2	5	33	64	1015	0.00
	04:15	10	16	6	14	11	11	13	2	21	33	65	1015	0.00
	04:30	4	6	2	9	6	5	6	2	10	33	64	1015	0.00
	04:45	3	5	1	6	5	5	5	1	22	33	66	1015	0.00
	05:00	4	6	1	4	4	5	6	1	40	33	67	1016	0.00
	05:15	4	5	1	4	5	5	5	1	75	33	67	1016	0.00
	05:30	3	6	1	4	4	4	5	1	118	32	69	1016	0.00
	05:45	4	5	1	4	5	5	5	1	186	32	70	1016	0.00
	06:00	3	5	1	3	4	4	5	1	193	31	73	1015	0.00
	06:15	3	5	1	3	4	4	5	1	201	30	73	1015	0.00
	06:30	4	5	1	4	4	4	5	1	189	30	76	1016	0.00
	06:45	3	5	1	4	5	4	5	1	212	29	79	1015	0.00
	07:00	3	6	1	4	5	5	6	2	213	28	81	1015	0.00
	07:15	3	5	1	4	5	5	6	1	223	28	78	1015	0.00
	07:30	3	3	1	3	4	4	5	1	239	29	78	1015	0.00
	07:45	3	4	0	3	3	4	5	2	259	30	75	1016	0.00
	08:00	4	5	1	4	5	5	5	1	240	31	76	1016	0.00
	08:15	4	6	1	4	5	5	6	2	222	33	70	1016	0.00
	08:30	5	6	1	4	6	5	6	2	51	35	61	1016	0.00
	08:45	4	5	1	3	5	5	5	3	100	35	58	1017	0.00
	09:00	3	4	0	2	4	4	5	3	141	36	58	1017	0.00
	09:15	2	4	0	2	4	4	4	2	162	37	54	1017	0.00
	09:30	3	4	0	2	3	4	4	3	174	38	50	1017	0.00
	09:45	2	4	0	2	4	4	4	3	141	39	51	1017	0.00
	10:00	2	4	0	2	3	4	4	4	138	40	49	1017	0.00
	10:15	2	3	0	2	3	4	4	4	106	40	49	1017	0.00
	10:30	3	3	0	3	3	4	4	4	116	42	46	1017	0.00
	10:45	2	4	0	3	3	4	4	3	152	42	45	1017	0.00
	11:00	2	3	0	2	3	3	4	3	128	43	45	1017	0.00
	11:15	1	3	0	2	3	3	3	2	122	44	42	1017	0.00
	11:30	2	4	1	5	4	5	5	2	76	45	41	1017	0.00
	11:45	2	3	0	3	3	4	4	3	53	45	42	1017	0.00
	12:00	2	3	0	3	3	4	4	2	348	46	40	1017	0.00
	12:15	1	3	0	2	3	3	4	2	144	47	40	1017	0.00
	12:30	2	3	0	2	3	4	4	3	210	47	40	1017	0.00
	12:45	2	3	0	2	3	4	4	3	161	47	42	1017	0.00
	13:00	2	3	0	2	3	4	4	3	181	47	42	1017	0.00
	13:15	1	3	0	2	3	4	4	3	155	47	43	1017	0.00
	13:30	1	3	0	2	2	4	4	2	112	47	41	1016	0.00
	13:45	1	3	0	2	3	4	4	1	179	48	41	1016	0.00
	14:00	2	3	0	2	3	4	4	1	287	48	39	1016	0.00
	14:15	1	3	0	2	2	4	4	2	94	48	44	1016	0.00
	14:30	1	3	0	2	3	4	4	2	173	48	44	1016	0.00
	14:45	1	3	0	3	2	3	4	2	105	47	44	1016	0.00
	15:00	2	3	0	4	3	4	4	2	153	48	43	1016	0.00
	15:15	2	4	0	4	3	4	4	3	158	47	42	1017	0.00
	15:30	2	4	1	4	3	4	4	3	163	47	43	1017	0.00
	15:45	2	4	1	4	3	4	4	3	144	46	46	1017	0.00
	16:00	2	3	0	3	3	3	4	2	134	45	48	1017	0.00
	16:15	1	3	0	2	2	3	3	3	118	44	51	1017	0.00
	16:30	2	4	1	9	2	3	3	2	156	43	52	1017	0.00
	16:45	1	2	0	2	2	3	3	2	174	42	54	1017	0.00
	17:00	1	3	0	2	2	3	3	2	179	41	58	1017	0.00
	17:15	1	3	0	1	3	3	3	2	190	40	60	1017	0.00
	17:30	1	3	0	2	3	2	3	2	190	38	60	1017	0.00
	17:45	2	3	0	2	4	3	3	2	188	38	66	1017	0.00
	18:00	2	4	0	2	3	3	4	2	201	37	72	1017	0.00
	18:15	2	3	0	2	3	2	3	2	205	36	67	1017	0.00
	18:30	2	4	0	2	3	3	4	1	210	35	73	1017	0.00
	18:45	2	4	0	3	3	4	4	1	221	35	71	1017	0.00
	19:00	4	6	1	4	6	5	6	1	228	34	79	1017	0.00
	19:15	5	8	1	4	7	7	8	1	206	34	74	1017	0.00
	19:30	8	11	3	9	10	10	10	2	213	34	71	1017	0.00
	19:45	12	14	3	10	12	11	13	1	231	34	76	1017	0.00
	20:00	12	15	4	12	14	12	13	2	216	33	73	1017	0.00
	20:15	12	13	3	9	11	12	13	1	191	33	78	1017	0.00
	20:30	13	15	4	13	13	13	14	1	247	33	78	1017	0.00
	20:45	16	17	5	15	16	14	17	1	189	33	78	1017	0.00
	21:00	18	18	5	16	15	16	18	1	189	32	82	1017	0.00
	21:15	16	17	5	14	13	15	16	1	186	32	79	1017	0.00
	21:30	14	15	5	14	15	12	14	1	224	31	78	1017	0.00
	21:45	14	16	5	15	16	14	16	2	199	31	77	1017	0.00
	22:00	14	15	5	15	15	14	16	1	158	32	80	1017	0.00
	22:15	12	14	4	13	13	12	14	1	121	31	83	1017	0.00
	22:30	12	13	4	12	12	11	13	1	160	31	78	1017	0.00
	22:45	10	13	3	11	11	10	12	1	169	31	78	1017	0.00
	23:00	10	19	4	18	20	15	17	2	177	32	75	1017	0.00
	23:15	10	14	4	15	16	16	17	2	182	32	77	1017	0.00
	23:30	13	14	3	11	15	13	15	2	205	31	78	1017	0.00
	23:45	9	10	2	8	10	9	11	1	190	31	78	1017	0.00
	00:00	8	10	2	7	11	9	11	1	214	31	79	1017	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
12/14/2023	00:15	4	9	2	8	9	9	10	1	225	30	80	1017	0.00
	00:30	4	10	2	9	9	9	10	1	227	30	81	1017	0.00
	00:45	3	11	3	10	10	9	11	1	235	30	81	1017	0.00
	01:00	4	11	3	10	10	9	11	1	219	30	79	1017	0.00
	01:15	3	11	3	10	10	9	10	1	213	30	78	1017	0.00
	01:30	3	10	2	10	9	9	10	2	207	31	76	1017	0.00
	01:45	2	10	2	8	8	9	9	1	213	31	76	1017	0.00
	02:00	2	9	2	8	8	8	9	1	216	30	78	1017	0.00
	02:15	1	8	2	7	7	8	8	1	224	30	82	1017	0.00
	02:30	1	8	2	7	7	7	8	1	231	29	81	1017	0.00
	02:45	11	15	2	8	8	16	19	1	214	29	78	1017	0.00
	03:00	2	9	2	8	8	9	10	1	210	30	78	1017	0.00
	03:15	2	8	2	8	8	7	9	2	221	29	79	1017	0.00
	03:30	2	10	2	8	8	8	9	1	217	29	81	1017	0.00
	03:45	2	9	2	8	8	7	8	2	228	29	81	1017	0.00
	04:00	3	10	2	9	8	7	9	2	214	29	78	1016	0.00
	04:15	3	10	3	10	9	8	9	1	215	30	77	1016	0.00
	04:30	3	10	2	10	9	8	9	1	230	29	80	1016	0.00
	04:45	2	9	2	9	9	8	9	1	236	29	79	1016	0.00
	05:00	4	11	3	10	10	9	10	1	243	29	79	1016	0.00
	05:15	3	11	3	10	10	9	10	1	240	29	80	1016	0.00
	05:30	3	11	3	10	10	9	10	2	232	28	81	1016	0.00
	05:45	3	10	2	9	9	9	10	2	240	28	86	1017	0.00
	06:00	14	17	3	13	11	14	17	1	240	28	89	1017	0.00
	06:15	5	15	5	18	18	13	15	1	243	28	87	1017	0.00
	06:30	3	13	3	15	13	9	10	1	247	28	86	1017	0.00
	06:45	4	16	5	21	23	9	11	1	243	28	84	1017	0.00
	07:00	10	17	4	15	14	17	20	1	147	29	82	1017	0.00
	07:15	5	11	2	10	7	10	11	1	306	28	82	1017	0.00
	07:30	6	12	3	11	14	10	12	1	243	28	85	1017	0.00
	07:45	9	17	5	19	16	13	13	1	220	28	81	1017	0.00
	08:00	5	12	3	11	11	10	11	1	233	30	79	1017	0.00
	08:15	5	12	3	10	12	11	12	1	210	32	75	1018	0.00
	08:30	3	11	3	9	10	10	11	2	163	35	69	1018	0.00
	08:45	4	11	3	9	10	9	11	2	178	38	63	1018	0.00
	09:00	4	11	3	9	11	10	11	2	158	40	57	1018	0.00
	09:15	4	11	3	9	10	10	11	2	178	42	58	1018	0.00
	09:30	4	11	3	9	10	11	12	2	187	43	51	1018	0.00
	09:45	3	9	3	8	9	9	10	3	181	45	50	1018	0.00
	10:00	2	9	2	9	8	9	10	3	178	46	51	1018	0.00
	10:15	2	9	2	10	8	9	10	3	198	47	48	1018	0.00
	10:30	2	9	2	8	8	9	9	3	212	48	46	1018	0.00
	10:45	2	8	2	10	7	8	9	3	217	49	45	1018	0.00
	11:00	2	8	2	9	7	8	9	2	206	50	43	1018	0.00
	11:15	3	9	3	9	9	10	10	3	220	51	44	1018	0.00
	11:30	2	9	3	8	8	9	10	4	227	51	45	1017	0.00
	11:45	0	7	2	5	6	7	8	4	226	52	45	1017	0.00
	12:00	0	6	1	5	5	6	7	3	207	53	44	1017	0.00
	12:15	0	5	1	5	4	6	6	2	209	55	45	1016	0.00
	12:30	0	4	1	3	3	5	5	3	204	55	43	1016	0.00
	12:45	0	4	1	3	3	5	5	2	200	56	42	1016	0.00
	13:00	0	5	1	5	4	6	6	3	202	56	45	1016	0.00
	13:15	0	5	1	5	4	6	6	3	216	56	45	1015	0.00
	13:30	0	6	1	5	4	6	7	4	235	56	44	1015	0.00
	13:45	0	7	2	7	6	7	7	3	157	57	45	1015	0.00
	14:00	0	7	2	6	5	8	8	2	202	58	39	1015	0.00
	14:15	0	6	2	7	5	7	7	3	210	58	40	1014	0.00
	14:30	0	6	2	7	5	7	7	3	198	58	41	1014	0.00
	14:45	0	5	1	6	4	6	6	3	157	58	43	1014	0.00
	15:00	0	6	1	6	4	6	6	3	167	58	41	1014	0.00
	15:15	0	5	1	4	4	6	6	3	157	57	41	1014	0.00
	15:30	0	4	1	3	3	5	5	3	160	57	42	1014	0.00
	15:45	0	4	1	4	3	5	5	2	174	55	44	1014	0.00
	16:00	0	4	1	3	3	4	4	2	165	54	47	1014	0.00
	16:15	0	5	1	9	3	4	5	1	170	53	48	1014	0.00
	16:30	0	4	1	5	3	4	4	1	199	51	51	1014	0.00
	16:45	0	4	1	6	4	4	5	1	160	50	54	1014	0.00
	17:00	0	5	1	6	4	5	5	1	151	48	57	1014	0.00
	17:15	0	5	1	5	5	5	6	2	186	47	59	1014	0.00
	17:30	0	6	1	8	5	6	6	2	168	46	62	1013	0.00
	17:45	2	8	2	9	6	6	6	3	178	45	63	1013	0.00
	18:00	2	8	2	10	7	7	7	2	157	44	65	1013	0.00
	18:15	3	10	2	10	9	8	9	2	174	43	67	1013	0.00
	18:30	7	14	4	14	12	12	14	2	160	43	67	1013	0.00
	18:45	9	16	4	15	15	15	17	2	180	42	67	1013	0.00
	19:00	8	15	4	13	14	15	16	2	183	42	67	1013	0.00
	19:15	5	11	3	10	12	13	14	2	168	41	67	1013	0.00
	19:30	3	9	2	9	10	10	11	2	164	41	66	1013	0.00
	19:45	2	8	2	7	8	9	9	2	141	41	70	1013	0.00
	20:00	1	7	2	7	7	7	8	2	116	41	64	1012	0.00
	20:15	2	9	2	10	8	8	9	2	141	41	64	1012	0.00
	20:30	4	11	3	13	9	9	10	2	131	41	67	1012	0.00
	20:45	5	10	2	9	10	10	10	2	183	40	66	1012	0.00
	21:00	2	10	2	9	9	10	10	2	156	39	67	1012	0.00
	21:15	4	10	3	10	10	10	11	2	153	40	64	1012	0.00
	21:30	4	10	3	9	9	10	11	2	174	40	65	1012	0.00
	21:45	2	9	2	8	9	9	10	2	182	40	63	1012	0.00
	22:00	1	9	2	7	11	10	11	2	173	40	62	1012	0.00
	22:15	1	8	2	7	10	10	10	2	174	40	63	1012	0.00
	22:30	1	8	2	6	9	9	10	3	160	40	60	1012	0.00
	22:45	1	7	2	6	8	8	9	2	174	40	61	1011	0.00
	23:00	1	7	2	6	8	8	8	2	183	40	60	1011	0.00
	23:15	1	7	2	6	7	7	7	2	163	40	61	1011	0.00
	23:30	1	7	2	6	6	7	7	3	159	40	59	1011	0.00
	23:45	1	8	2	7	7	7	8	3	165	41	57	1011	0.00
	00:00	1	7	2	7	7	7	8	2	175	40	58	1011	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	1	7	2	6	7	7	7	2	174	40	59	1011	0.00
	00:30	2	8	2	8	7	7	8	2	190	39	62	1011	0.00
	00:45	3	8	2	7	8	7	8	2	194	38	64	1011	0.00
	01:00	2	7	2	7	7	7	8	2	202	37	64	1011	0.00
	01:15	2	7	2	7	7	7	7	2	188	38	62	1011	0.00
	01:30	2	7	2	7	7	7	7	2	173	37	64	1011	0.00
	01:45	2	8	2	7	7	7	7	2	183	36	66	1011	0.00
	02:00	7	12	3	11	9	9	10	2	178	36	64	1011	0.00
	02:15	7	12	3	12	11	11	12	2	177	36	64	1011	0.00
	02:30	5	11	3	11	12	11	12	2	153	37	61	1011	0.00
	02:45	4	11	3	11	11	10	11	2	179	38	62	1011	0.00
	03:00	4	10	3	11	11	11	11	2	191	38	61	1011	0.00
	03:15	3	10	2	9	10	9	10	2	189	38	62	1011	0.00
	03:30	3	9	2	8	8	8	8	3	179	38	60	1010	0.00
	03:45	2	8	2	7	8	7	8	3	178	38	59	1010	0.00
	04:00	2	7	2	7	7	7	8	3	180	38	59	1010	0.00
	04:15	2	7	2	7	6	6	7	3	178	39	59	1010	0.00
	04:30	1	7	2	6	6	6	7	3	160	39	58	1010	0.00
	04:45	1	7	1	6	6	6	7	3	165	39	57	1010	0.00
	05:00	1	6	1	6	6	5	6	3	170	39	57	1010	0.00
	05:15	1	6	1	6	6	5	6	3	177	39	58	1010	0.00
	05:30	1	6	1	6	6	6	6	3	160	39	56	1010	0.00
	05:45	1	7	1	6	6	6	6	3	162	40	57	1010	0.00
	06:00	1	7	2	6	6	6	6	3	167	40	56	1010	0.00
	06:15	1	7	2	6	6	6	6	3	167	40	57	1010	0.00
	06:30	1	7	2	6	6	6	6	3	163	40	57	1010	0.00
	06:45	1	7	1	6	7	6	6	3	159	39	56	1010	0.00
	07:00	1	6	1	6	6	6	6	3	167	40	56	1010	0.00
	07:15	1	6	1	6	6	6	6	3	163	40	55	1010	0.00
	07:30	1	6	2	6	6	6	6	3	167	40	55	1010	0.00
	07:45	1	6	1	6	5	5	6	4	161	41	53	1010	0.00
	08:00	1	7	2	6	6	6	6	4	163	42	53	1010	0.00
	08:15	1	6	1	5	6	6	6	4	163	42	53	1010	0.00
	08:30	0	6	1	4	5	6	5	4	169	43	53	1010	0.00
	08:45	0	5	1	5	5	5	5	4	167	43	53	1010	0.00
	09:00	0	5	1	5	5	5	5	5	167	43	53	1010	0.00
	09:15	0	5	1	4	4	5	5	4	172	43	53	1010	0.00
	09:30	0	5	1	4	5	5	5	3	172	44	53	1010	0.00
	09:45	0	5	1	5	5	5	6	4	169	44	52	1010	0.00
	10:00	1	5	1	6	5	5	5	4	179	46	50	1010	0.00
	10:15	0	6	1	6	5	6	6	4	191	47	49	1010	0.00
	10:30	1	6	1	6	5	6	6	3	177	48	50	1009	0.00
	10:45	1	6	1	7	5	6	6	3	189	50	46	1009	0.00
	11:00	0	5	1	6	5	6	6	3	187	52	45	1009	0.00
	11:15	1	6	1	7	5	6	6	3	202	53	44	1008	0.00
	11:30	1	7	2	6	6	7	7	3	184	54	44	1008	0.00
	11:45	2	8	2	8	7	8	8	3	195	55	43	1008	0.00
12/15/2023	12:00	4	9	2	10	8	9	10	3	196	56	43	1007	0.00
	12:15	4	10	2	11	9	10	11	4	219	56	43	1007	0.00
	12:30	5	10	3	12	9	11	12	5	213	56	44	1007	0.00
	12:45	4	10	3	11	9	11	11	4	212	57	42	1006	0.00
	13:00	3	9	2	10	8	10	10	5	219	57	40	1006	0.00
	13:15	4	9	2	9	8	10	10	4	207	58	39	1006	0.00
	13:30	4	10	3	9	9	10	11	3	189	59	38	1006	0.00
	13:45	5	11	3	10	10	11	12	3	196	59	40	1005	0.00
	14:00	5	11	3	11	10	11	12	3	210	59	37	1005	0.00
	14:15	5	10	3	11	9	11	12	3	181	60	39	1005	0.00
	14:30	4	10	3	11	9	10	11	3	192	59	39	1005	0.00
	14:45	4	10	3	11	9	10	11	3	191	59	39	1005	0.00
	15:00	4	10	3	9	8	10	10	3	201	59	39	1005	0.00
	15:15	3	8	2	8	7	9	9	2	187	58	40	1005	0.00
	15:30	1	7	2	7	6	7	8	3	200	58	40	1005	0.00
	15:45	1	7	1	7	5	7	7	2	194	56	42	1004	0.00
	16:00	1	6	1	5	5	7	7	2	185	55	45	1004	0.00
	16:15	1	6	1	8	5	6	6	1	199	54	46	1004	0.00
	16:30	1	6	1	8	5	6	6	1	157	53	48	1004	0.00
	16:45	1	6	1	7	5	6	6	1	166	52	51	1004	0.00
	17:00	1	6	1	8	6	6	7	1	162	51	53	1004	0.00
	17:15	2	7	1	9	6	6	6	2	141	50	53	1004	0.00
	17:30	12	16	4	17	8	9	9	2	154	50	54	1004	0.00
	17:45	13	18	5	17	14	13	14	2	150	50	55	1004	0.00
	18:00	7	14	4	14	14	13	14	3	138	49	53	1004	0.00
	18:15	8	14	4	17	12	12	12	3	140	49	54	1004	0.00
	18:30	16	21	6	23	17	14	15	3	147	49	52	1004	0.00
	18:45	10	15	4	16	18	19	21	3	145	49	53	1004	0.00
	19:00	5	11	3	13	14	15	16	2	142	48	54	1004	0.00
	19:15	4	9	2	11	9	11	11	2	117	48	55	1004	0.00
	19:30	4	10	2	11	9	9	10	2	120	48	55	1004	0.00
	19:45	4	9	2	11	9	10	11	3	132	48	54	1004	0.00
	20:00	4	10	2	11	9	10	10	3	143	49	52	1004	0.00
	20:15	6	11	3	12	11	11	12	3	138	49	51	1004	0.00
	20:30	4	9	2	9	9	11	11	3	136	49	51	1004	0.00
	20:45	1	6	1	8	6	7	7	3	134	48	52	1003	0.00
	21:00	1	6	1	8	6	7	7	3	142	48	52	1003	0.00
	21:15	2	7	2	9	7	7	7	4	156	48	53	1003	0.00
	21:30	3	8	2	10	7	8	9	4	146	47	53	1003	0.00
	21:45	4	9	2	11	8	9	9	4	144	47	54	1003	0.00
	22:00	6	12	3	13	10	10	11	4	156	47	53	1003	0.00
	22:15	4	9	2	11	9	9	10	4	153	48	54	1003	0.00
	22:30	7	12	3	14	11	10	10	4	150	47	54	1003	0.00
	22:45	7	12	3	13	12	12	13	4	149	48	54	1003	0.00
	23:00	9	14	4	16	13	13	15	4	141	48	54	1003	0.00
	23:15	9	14	4	15	14	15	16	4	142	48	54	1002	0.00
	23:30	6	12	3	13	11	13	13	4	134	48	55	1002	0.00
	23:45	6	11	3	13	11	11	12	4	155	48	55	1002	0.00
	00:00	6	11	3	12	11	11	11	4	156	47	57	1002	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
12/16/2023	00:15	8	11	3	11	11	11	12	4	148	47	56	1002	0.00
	00:30	11	12	3	12	12	11	12	4	142	47	56	1001	0.00
	00:45	10	11	3	11	11	11	12	4	147	47	57	1001	0.00
	01:00	10	12	3	11	11	11	12	4	152	47	57	1001	0.00
	01:15	10	11	3	11	11	11	12	4	144	47	57	1001	0.00
	01:30	9	11	3	10	10	10	11	4	140	47	57	1001	0.00
	01:45	9	11	3	10	10	10	11	5	140	47	58	1000	0.00
	02:00	9	11	3	10	10	10	10	5	147	47	59	1000	0.00
	02:15	10	11	3	11	11	10	11	4	143	46	60	1000	0.00
	02:30	9	10	3	10	10	10	11	4	131	47	60	1000	0.00
	02:45	9	11	3	10	10	10	11	4	135	47	60	1000	0.00
	03:00	9	10	3	9	10	10	10	3	143	47	64	1000	0.00
	03:15	9	10	2	9	11	9	10	2	210	45	79	1000	0.02
	03:30	8	11	2	9	10	9	11	3	193	44	84	1000	0.02
	03:45	8	10	2	9	9	9	11	1	194	43	84	1000	0.00
	04:00	8	10	2	8	9	9	10	1	243	43	86	1000	0.02
	04:15	8	10	2	9	10	9	10	2	216	43	89	1000	0.03
	04:30	8	9	2	8	9	9	10	2	174	43	91	1000	0.00
	04:45	7	9	2	9	9	8	9	2	154	42	93	1000	0.01
	05:00	7	9	2	9	8	8	9	2	159	42	93	1000	0.01
	05:15	10	11	2	10	10	9	10	3	160	42	90	999	0.01
	05:30	8	10	2	9	10	9	11	3	150	43	88	999	0.00
	05:45	7	9	2	7	9	8	10	4	155	42	89	999	0.00
	06:00	6	8	2	7	8	8	9	3	164	42	91	999	0.00
	06:15	6	8	2	6	8	7	8	4	165	42	92	999	0.00
	06:30	6	8	2	7	7	7	8	3	162	42	92	999	0.00
	06:45	8	9	2	8	8	8	9	3	173	42	90	999	0.00
	07:00	7	9	2	5	8	7	9	3	175	42	90	999	0.00
	07:15	10	11	3	10	10	8	9	3	155	42	90	998	0.01
	07:30	11	12	3	10	12	10	12	3	157	42	90	998	0.00
	07:45	7	9	2	7	9	9	10	3	145	41	91	998	0.00
	08:00	6	8	2	6	8	7	9	3	140	42	90	998	0.00
	08:15	8	9	2	7	9	7	9	4	153	42	89	998	0.01
	08:30	8	10	2	7	9	8	10	4	159	42	90	998	0.01
	08:45	7	10	2	8	9	9	11	4	164	42	92	998	0.05
	09:00	7	9	2	7	8	9	10	4	162	42	92	998	0.01
	09:15	6	8	2	6	8	7	9	4	167	42	91	998	0.01
	09:30	6	8	2	6	8	7	9	4	173	43	92	998	0.03
	09:45	6	8	2	7	7	7	9	4	178	43	92	998	0.02
	10:00	6	8	2	7	8	7	9	5	180	43	93	997	0.05
	10:15	6	8	1	7	8	8	9	4	179	43	93	997	0.03
	10:30	6	8	1	6	7	6	8	5	177	43	93	997	0.00
	10:45	5	7	1	6	7	6	7	5	170	43	94	996	0.00
	11:00	5	7	1	6	7	6	7	4	174	43	94	996	0.01
	11:15	5	7	1	6	6	6	7	5	181	43	94	996	0.00
	11:30	5	7	1	6	7	7	8	4	192	43	95	995	0.03
	11:45	5	7	1	6	7	7	7	5	184	43	95	995	0.01
	12:00	5	7	1	6	7	7	8	5	188	43	96	995	0.02
	12:15	5	7	1	5	7	7	8	5	185	44	96	994	0.01
	12:30	5	7	1	5	7	6	8	4	193	44	97	994	0.01
	12:45	5	7	1	5	7	6	7	4	190	44	97	994	0.01
	13:00	5	7	1	5	7	6	7	5	192	44	96	994	0.01
	13:15	5	7	1	4	7	6	7	5	200	44	97	993	0.01
	13:30	4	6	1	4	6	6	7	5	200	44	97	993	0.02
	13:45	4	5	1	4	6	6	7	4	186	44	97	993	0.02
	14:00	3	5	1	3	6	5	6	4	189	45	97	993	0.01
	14:15	3	5	1	2	5	5	5	4	181	45	97	993	0.01
	14:30	3	4	1	2	5	5	5	4	187	45	97	993	0.00
	14:45	3	5	1	2	5	5	6	4	186	45	97	993	0.00
	15:00	3	5	1	2	5	5	5	3	174	45	97	993	0.00
	15:15	3	5	1	2	5	5	6	3	172	45	97	993	0.01
	15:30	4	5	1	3	6	5	7	4	188	45	97	993	0.00
	15:45	5	6	1	3	7	6	7	3	183	45	97	993	0.00
	16:00	5	7	1	5	7	6	8	4	181	45	98	993	0.01
	16:15	6	8	1	6	8	8	9	4	185	45	98	993	0.00
	16:30	7	9	1	6	9	7	10	3	201	45	98	993	0.00
	16:45	9	12	1	9	11	10	12	4	183	45	98	993	0.00
	17:00	10	12	1	9	12	11	13	2	196	45	98	993	0.01
	17:15	9	12	1	9	12	11	13	3	180	45	98	993	0.01
	17:30	8	10	1	8	11	10	12	3	179	45	98	993	0.00
	17:45	8	11	1	8	11	10	12	4	183	45	98	993	0.00
	18:00	9	11	1	8	11	10	12	3	184	45	98	993	0.00
	18:15	8	11	1	7	11	9	11	3	182	45	98	993	0.00
	18:30	8	10	1	8	11	10	12	3	180	45	98	993	0.01
	18:45	7	9	1	7	10	9	11	3	176	45	98	993	0.00
	19:00	7	9	1	6	9	9	10	3	180	45	98	993	0.00
	19:15	6	8	1	6	9	8	10	3	179	45	98	993	0.00
	19:30	6	8	1	5	8	8	10	3	174	45	98	993	0.00
	19:45	6	8	1	6	9	8	10	3	181	45	98	993	0.00
	20:00	6	8	1	5	9	9	10	3	177	45	98	993	0.01
	20:15	8	9	1	6	10	8	10	3	172	45	98	992	0.00
	20:30	8	10	1	7	10	10	11	3	173	45	98	992	0.00
	20:45	8	10	1	7	11	10	12	3	187	45	98	992	0.00
	21:00	8	10	1	7	11	9	11	4	198	45	98	992	0.00
	21:15	8	10	1	8	11	10	12	3	191	45	99	992	0.01
	21:30	10	11	1	8	12	10	12	4	192	45	99	992	0.00
	21:45	9	12	1	9	13	11	13	3	201	45	99	992	0.00
	22:00	11	12	1	10	12	11	14	4	209	45	99	992	0.01
	22:15	10	13	1	10	12	13	15	3	200	45	99	992	0.00
	22:30	7	9	1	6	9	10	12	2	189	45	98	992	0.00
	22:45	5	7	1	4	7	7	8	3	206	45	97	992	0.00
	23:00	4	6	1	4	6	7	8	3	208	45	96	992	0.00
	23:15	4	6	1	4	6	6	7	3	204	45	95	992	0.00
	23:30	2	4	1	3	4	4	5	3	210	44	93	992	0.00
	23:45	2	4	0	3	4	4	5	3	201	44	93	992	0.00
	00:00	2	3	0	2	3	4	5	3	208	43	93	992	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	2	4	0	3	3	4	5	3	204	43	94	992	0.00
	00:30	3	4	0	4	4	4	6	3	198	43	94	992	0.00
	00:45	2	4	0	4	4	5	6	3	210	43	95	992	0.00
	01:00	1	3	0	2	2	3	4	4	210	42	93	992	0.00
	01:15	1	2	0	2	2	2	3	3	211	42	94	992	0.00
	01:30	1	2	0	2	2	3	4	3	214	42	94	992	0.00
	01:45	1	2	0	1	1	2	3	3	214	42	94	992	0.00
	02:00	1	2	0	1	1	2	3	3	214	42	93	993	0.00
	02:15	1	2	0	1	2	3	3	3	216	41	93	993	0.00
	02:30	1	2	0	1	3	3	3	4	218	41	94	992	0.00
	02:45	1	2	0	1	3	3	4	4	217	41	93	992	0.00
	03:00	2	3	0	1	3	4	5	4	221	41	92	992	0.00
	03:15	3	4	1	2	4	5	7	4	215	41	92	992	0.00
	03:30	3	4	1	2	4	5	6	4	217	41	92	992	0.00
	03:45	2	3	0	2	3	3	5	4	216	41	93	992	0.00
	04:00	3	4	0	2	3	4	5	4	224	40	92	992	0.00
	04:15	8	8	2	6	7	9	11	4	220	40	93	992	0.00
	04:30	3	5	1	3	5	5	6	4	222	40	93	992	0.00
	04:45	4	5	1	3	5	5	6	4	221	40	93	992	0.00
	05:00	4	5	1	4	5	5	6	4	218	40	93	992	0.00
	05:15	4	5	1	4	5	5	7	4	217	40	93	992	0.00
	05:30	5	6	1	4	5	5	7	4	214	40	94	993	0.00
	05:45	5	6	1	4	6	6	8	4	211	40	94	993	0.00
	06:00	5	7	1	5	6	6	8	4	215	40	96	993	0.00
	06:15	7	8	1	6	7	7	9	4	215	40	97	993	0.00
	06:30	9	10	1	8	9	8	10	4	220	40	97	993	0.00
	06:45	11	13	1	11	12	10	13	4	216	40	98	993	0.00
	07:00	14	15	1	14	14	13	16	3	214	40	98	993	0.00
	07:15	15	16	1	15	15	14	17	4	215	40	98	993	0.00
	07:30	15	17	1	15	16	15	18	4	215	40	98	993	0.00
	07:45	16	17	1	16	16	15	18	4	218	40	98	993	0.00
	08:00	16	18	1	17	17	16	19	4	214	40	98	993	0.00
	08:15	17	18	2	18	18	16	20	4	216	40	98	993	0.00
	08:30	17	18	2	17	18	15	19	4	216	40	98	993	0.00
	08:45	15	17	2	16	17	16	18	4	216	40	97	993	0.00
	09:00	16	17	3	15	17	15	18	4	219	40	96	993	0.00
	09:15	14	16	3	14	15	13	17	3	213	41	95	993	0.00
	09:30	13	15	3	13	14	12	15	4	217	41	94	993	0.00
	09:45	11	14	3	11	13	12	14	4	220	41	93	993	0.00
	10:00	9	11	2	8	9	9	11	4	221	41	91	993	0.00
	10:15	9	10	2	8	9	8	10	4	211	41	91	993	0.00
	10:30	8	9	2	7	8	8	10	3	213	42	89	993	0.00
	10:45	6	7	2	6	7	6	8	4	214	42	88	993	0.00
	11:00	5	6	2	4	6	5	7	4	223	42	87	993	0.00
	11:15	4	5	1	3	5	5	6	3	215	42	87	993	0.00
	11:30	3	5	1	3	4	4	5	5	219	42	86	992	0.00
	11:45	6	6	1	5	5	5	6	5	225	42	87	992	0.00
12/17/2023	12:00	6	7	2	6	7	6	8	4	223	41	88	992	0.00
	12:15	5	7	2	5	6	6	7	3	220	41	85	992	0.00
	12:30	6	7	2	5	6	5	7	4	219	41	87	992	0.00
	12:45	6	7	2	5	6	6	7	4	223	41	87	992	0.00
	13:00	4	6	1	4	5	4	6	5	219	41	87	992	0.00
	13:15	4	5	1	4	5	5	6	5	226	41	87	992	0.00
	13:30	4	6	1	5	5	5	6	5	230	40	88	991	0.00
	13:45	5	6	1	4	5	5	6	4	213	40	87	991	0.00
	14:00	5	6	1	5	5	5	6	4	213	40	87	991	0.00
	14:15	5	6	2	6	5	5	6	4	216	40	87	991	0.00
	14:30	5	6	2	6	6	5	7	4	218	40	88	991	0.00
	14:45	7	9	3	9	8	8	10	5	222	40	89	991	0.00
	15:00	8	10	3	9	9	9	10	4	220	39	88	991	0.00
	15:15	11	12	3	10	11	9	12	4	227	39	88	991	0.00
	15:30	13	13	3	12	12	11	14	4	229	39	88	991	0.00
	15:45	13	15	4	14	14	13	16	4	229	39	89	991	0.00
	16:00	20	22	6	21	17	15	20	4	221	39	89	991	0.00
	16:15	17	19	5	17	19	18	22	4	218	39	88	991	0.00
	16:30	14	16	4	15	15	13	16	4	211	39	88	991	0.00
	16:45	16	17	4	17	16	14	17	4	215	39	88	991	0.00
	17:00	16	18	4	17	17	15	18	4	222	39	88	991	0.00
	17:15	14	17	4	15	16	15	18	4	223	38	88	991	0.00
	17:30	17	18	4	17	17	14	19	3	226	38	88	991	0.00
	17:45	19	21	5	19	19	15	20	4	221	38	88	991	0.00
	18:00	20	23	6	22	22	20	24	4	224	38	88	992	0.00
	18:15	21	23	5	22	24	22	26	4	223	38	88	992	0.00
	18:30	20	22	5	19	19	19	23	3	221	39	86	992	0.00
	18:45	17	18	5	15	17	15	18	3	225	39	85	992	0.00
	19:00	14	16	4	15	15	14	17	3	221	39	85	992	0.00
	19:15	13	15	4	13	15	13	16	2	220	39	86	992	0.00
	19:30	13	15	4	13	14	11	15	2	217	39	85	992	0.00
	19:45	13	14	4	14	15	12	15	2	215	39	86	992	0.00
	20:00	13	15	4	13	15	13	15	2	214	39	87	992	0.00
	20:15	13	15	4	14	14	12	15	2	212	39	88	992	0.00
	20:30	13	15	4	14	14	12	16	3	215	39	88	992	0.00
	20:45	14	15	4	14	13	12	15	3	220	39	89	992	0.00
	21:00	15	16	4	14	14	13	16	3	219	38	90	991	0.00
	21:15	14	16	4	15	14	13	16	3	217	38	90	991	0.00
	21:30	15	17	4	16	16	14	17	2	217	38	91	991	0.00
	21:45	17	19	4	18	18	15	19	3	216	39	89	991	0.00
	22:00	21	22	5	20	23	18	24	2	217	39	88	991	0.00
	22:15	19	21	5	19	21	18	23	3	222	39	87	992	0.00
	22:30	16	19	4	17	17	16	19	3	213	39	88	992	0.00
	22:45	18	19	5	17	18	17	19	3	217	39	87	992	0.00
	23:00	19	20	6	19	19	16	21	3	226	39	85	991	0.00
	23:15	18	21	6	20	20	17	22	3	233	39	84	991	0.00
	23:30	23	24	7	21	27	22	26	3	232	38	82	991	0.00
	23:45	22	25	7	20	22	21	25	3	235	38	81	991	0.00
	00:00	22	22	7	20	22	22	25	3	236	37	83	991	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
12/18/2023	00:15	17	20	6	19	20	17	21	3	248	37	84	991	0.00
	00:30	17	18	5	17	19	17	19	3	236	36	84	991	0.00
	00:45	12	15	4	15	16	14	16	3	247	36	84	992	0.00
	01:00	11	13	4	13	14	12	13	3	260	36	84	991	0.00
	01:15	11	12	3	12	13	11	12	3	250	36	85	992	0.00
	01:30	11	12	4	12	13	11	13	3	242	36	84	992	0.00
	01:45	10	13	4	13	13	12	13	3	226	36	86	992	0.00
	02:00	11	13	3	13	13	12	13	3	237	35	87	992	0.00
	02:15	12	13	3	14	14	13	13	3	230	35	89	991	0.00
	02:30	12	14	3	14	14	13	14	2	235	34	90	991	0.00
	02:45	12	15	3	14	15	13	15	2	228	33	92	991	0.00
	03:00	13	15	3	14	14	14	15	2	230	33	93	991	0.00
	03:15	13	14	3	14	15	13	15	3	231	33	93	991	0.00
	03:30	11	14	2	13	14	12	14	3	229	33	93	991	0.00
	03:45	12	14	3	13	14	12	14	3	225	33	93	991	0.00
	04:00	11	13	2	13	13	12	13	3	224	32	93	991	0.00
	04:15	10	12	3	13	13	11	12	2	221	33	91	991	0.00
	04:30	10	12	3	12	12	11	12	3	224	33	90	991	0.00
	04:45	10	12	3	12	12	10	12	3	232	33	89	991	0.00
	05:00	10	12	3	11	13	11	11	3	235	33	89	991	0.00
	05:15	9	12	3	11	13	11	12	3	238	33	88	991	0.00
	05:30	10	11	3	10	12	10	11	4	251	33	86	991	0.00
	05:45	10	11	3	10	12	10	10	3	246	34	83	991	0.00
	06:00	9	10	3	10	10	10	10	3	257	34	80	991	0.00
	06:15	9	10	3	9	10	8	9	3	253	34	78	991	0.00
	06:30	5	6	2	6	7	7	5	4	288	33	73	992	0.00
	06:45	1	2	1	3	3	3	2	5	272	32	66	992	0.00
	07:00	0	1	0	4	2	1	0	4	273	31	69	992	0.00
	07:15	0	1	0	3	2	1	0	5	290	30	68	992	0.00
	07:30	0	1	0	2	1	1	0	4	282	30	69	993	0.00
	07:45	0	1	0	2	3	1	0	5	296	30	68	993	0.00
	08:00	0	1	0	1	2	1	0	6	311	30	64	993	0.00
	08:15	0	1	0	1	1	1	0	5	309	30	65	993	0.00
	08:30	0	1	0	1	1	0	0	5	314	30	64	994	0.00
	08:45	0	1	0	1	1	1	1	4	289	30	63	994	0.00
	09:00	0	2	0	1	1	1	2	5	290	31	64	994	0.00
	09:15	0	2	0	1	2	1	2	4	272	31	63	994	0.00
	09:30	0	1	0	1	2	1	2	5	282	31	63	995	0.00
	09:45	0	1	0	1	2	2	2	4	273	32	62	995	0.00
	10:00	0	1	0	2	2	2	2	4	273	32	61	995	0.00
	10:15	0	1	0	2	2	1	2	4	291	32	61	995	0.00
	10:30	0	1	0	2	1	1	2	5	292	33	59	995	0.00
	10:45	0	1	0	1	1	1	2	5	304	33	58	995	0.00
	11:00	0	1	0	1	1	1	1	4	304	33	57	995	0.00
	11:15	0	1	0	1	1	1	1	4	290	33	57	995	0.00
	11:30	0	1	0	1	1	1	1	4	268	33	59	995	0.00
	11:45	0	1	0	1	1	1	1	4	297	34	56	995	0.00
	12:00	0	1	0	1	2	1	2	4	293	34	56	995	0.00
	12:15	0	1	0	1	2	1	2	4	269	34	57	995	0.00
	12:30	0	1	0	1	1	1	2	4	289	34	56	995	0.00
	12:45	0	1	0	1	2	2	2	5	281	33	56	995	0.00
	13:00	0	1	0	1	2	2	2	4	265	34	54	996	0.00
	13:15	0	2	0	2	2	2	2	5	304	33	55	996	0.00
	13:30	0	2	0	2	2	2	2	3	256	33	56	996	0.00
	13:45	0	2	0	2	3	2	3	4	290	34	55	996	0.00
	14:00	0	2	0	2	2	2	3	4	307	33	55	996	0.00
	14:15	0	2	0	2	2	2	3	4	275	33	55	996	0.00
	14:30	0	2	0	2	2	2	3	5	325	33	55	996	0.00
	14:45	0	2	0	2	2	3	3	5	298	33	54	997	0.00
	15:00	1	3	0	2	3	3	3	4	271	32	55	997	0.00
	15:15	0	2	0	2	3	3	3	4	283	34	55	997	0.00
	15:30	0	2	0	2	3	3	3	5	315	33	57	997	0.00
	15:45	1	3	0	3	3	3	3	4	298	31	58	998	0.00
	16:00	1	3	0	5	3	3	4	3	278	32	59	998	0.00
	16:15	1	3	0	5	3	3	4	4	273	31	57	998	0.00
	16:30	1	3	0	3	3	3	4	4	292	30	59	998	0.00
	16:45	1	4	0	4	3	4	4	3	287	30	59	998	0.00
	17:00	2	4	0	5	3	4	4	4	283	30	60	999	0.00
	17:15	2	4	0	5	3	4	4	3	299	29	61	999	0.00
	17:30	2	5	1	4	3	4	5	3	275	29	60	999	0.00
	17:45	3	5	1	4	4	4	5	3	288	29	61	1000	0.00
	18:00	2	5	1	4	4	4	5	3	297	28	61	1000	0.00
	18:15	5	7	1	5	6	6	7	3	295	28	60	1000	0.00
	18:30	3	6	1	5	4	4	5	3	304	28	61	1001	0.00
	18:45	3	5	1	5	5	5	5	3	308	28	63	1001	0.00
	19:00	6	8	1	5	7	7	8	3	310	27	64	1001	0.00
	19:15	2	5	1	5	5	5	7	3	325	27	61	1001	0.00
	19:30	3	6	1	5	5	5	6	3	326	26	59	1001	0.00
	19:45	4	7	1	4	5	5	6	4	335	26	58	1002	0.00
	20:00	4	7	1	4	5	6	6	3	333	26	59	1002	0.00
	20:15	4	6	1	4	6	6	7	3	344	25	62	1002	0.00
	20:30	4	7	1	5	5	6	6	3	337	25	64	1002	0.00
	20:45	4	6	1	5	6	5	7	2	309	24	64	1002	0.00
	21:00	4	6	1	4	5	6	6	2	318	24	66	1002	0.00
	21:15	4	6	1	5	6	5	6	2	313	24	67	1002	0.00
	21:30	5	7	1	4	5	7	7	2	296	24	67	1002	0.00
	21:45	3	6	1	4	6	5	6	2	291	23	68	1002	0.00
	22:00	9	10	2	7	8	9	10	2	276	23	70	1002	0.00
	22:15	3	7	1	5	6	6	7	2	275	23	68	1002	0.00
	22:30	5	6	1	5	5	5	6	2	272	22	69	1002	0.00
	22:45	3	6	1	4	5	5	6	1	283	22	72	1002	0.00
	23:00	3	7	1	4	5	5	6	1	269	21	74	1002	0.00
	23:15	5	7	1	5	5	5	6	2	276	21	71	1002	0.00
	23:30	6	8	2	7	5	5	7	2	266	21	73	1002	0.00
	23:45	4	7	1	5	6	6	7	2	268	21	76	1002	0.00
	00:00	3	7	1	5	6	5	7	2	266	21	77	1002	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
12/19/2023	00:15	7	7	1	7	5	5	8	2	261	21	73	1002	0.00
	00:30	7	7	1	6	8	8	10	1	254	20	79	1002	0.00
	00:45	8	8	1	8	7	9	10	1	275	20	79	1002	0.00
	01:00	6	7	1	6	7	7	8	1	260	20	80	1002	0.00
	01:15	6	7	1	7	8	6	8	1	216	19	83	1002	0.00
	01:30	7	7	1	7	7	7	9	1	255	19	84	1002	0.00
	01:45	7	8	1	7	7	8	9	1	250	20	82	1002	0.00
	02:00	7	8	1	7	7	7	9	1	242	19	85	1003	0.00
	02:15	7	7	1	7	6	7	9	1	269	19	86	1003	0.00
	02:30	7	7	1	7	7	7	8	1	290	18	86	1003	0.00
	02:45	12	10	2	9	8	8	10	1	259	18	81	1003	0.00
	03:00	10	11	3	11	11	9	11	2	259	18	82	1003	0.00
	03:15	8	8	1	7	8	8	9	1	258	18	83	1004	0.00
	03:30	7	7	1	7	7	6	8	1	256	18	85	1004	0.00
	03:45	6	7	1	7	6	6	8	1	242	19	86	1004	0.00
	04:00	7	7	1	6	6	6	8	1	262	19	85	1004	0.00
	04:15	6	7	1	6	6	6	8	1	266	18	87	1004	0.00
	04:30	6	7	1	7	6	6	8	1	256	18	87	1004	0.00
	04:45	6	6	1	6	7	6	8	1	229	17	90	1004	0.00
	05:00	6	7	1	7	8	8	10	1	210	17	90	1004	0.00
	05:15	7	7	1	6	6	7	9	1	196	17	90	1004	0.00
	05:30	7	8	1	6	6	7	8	1	219	16	91	1004	0.00
	05:45	7	7	0	5	5	5	7	1	222	16	92	1004	0.00
	06:00	5	6	0	6	5	5	7	1	210	16	91	1004	0.00
	06:15	5	5	0	5	5	5	7	1	236	16	92	1004	0.00
	06:30	5	6	0	6	5	6	7	1	240	16	92	1004	0.00
	06:45	6	6	1	6	6	6	7	1	241	16	93	1004	0.00
	07:00	5	6	1	6	5	5	7	1	257	16	93	1004	0.00
	07:15	6	7	0	6	6	6	8	1	232	16	93	1004	0.00
	07:30	6	7	1	6	6	6	8	1	242	16	93	1004	0.00
	07:45	5	6	0	5	6	6	7	1	203	17	93	1004	0.00
	08:00	5	6	0	6	6	5	7	1	214	18	90	1004	0.00
	08:15	5	5	0	6	5	5	7	1	242	21	86	1004	0.00
	08:30	3	5	1	7	5	5	6	2	254	23	76	1005	0.00
	08:45	4	5	1	6	6	6	8	3	244	24	72	1005	0.00
	09:00	4	7	1	6	4	4	3	2	229	26	69	1005	0.00
	09:15	4	6	1	6	7	5	7	2	230	28	63	1005	0.00
	09:30	4	6	1	6	6	6	8	3	223	28	60	1006	0.00
	09:45	4	6	1	7	7	7	8	3	220	28	58	1006	0.00
	10:00	4	6	1	7	7	7	8	4	221	29	55	1006	0.00
	10:15	3	6	1	7	6	6	7	3	226	30	56	1006	0.00
	10:30	3	6	1	6	6	6	7	4	224	30	56	1006	0.00
	10:45	3	6	1	5	7	6	7	5	216	30	56	1006	0.00
	11:00	4	6	1	4	7	6	7	5	221	31	56	1006	0.00
	11:15	3	6	1	5	7	6	7	4	209	31	54	1005	0.00
	11:30	3	6	1	5	7	6	7	5	218	32	54	1005	0.00
	11:45	3	6	1	4	7	6	7	4	211	32	55	1005	0.00
	12:00	3	6	1	4	7	6	7	4	207	33	55	1005	0.00
	12:15	3	6	1	5	7	6	7	4	189	33	59	1004	0.00
	12:30	4	7	2	6	8	7	8	4	210	34	56	1004	0.00
	12:45	4	7	2	6	7	7	8	4	199	34	56	1004	0.00
	13:00	4	7	2	6	7	7	8	4	210	34	54	1004	0.00
	13:15	6	10	4	10	10	10	12	5	207	35	53	1004	0.00
	13:30	4	7	3	7	7	8	8	4	215	36	52	1004	0.00
	13:45	17	21	9	18	25	18	21	4	210	36	52	1003	0.00
	14:00	8	13	5	12	11	18	17	5	210	37	53	1003	0.00
	14:15	4	7	3	7	8	7	9	4	206	37	51	1003	0.00
	14:30	5	7	3	6	8	9	10	4	204	37	53	1003	0.00
	14:45	5	7	3	6	7	8	9	3	187	36	54	1003	0.00
	15:00	6	8	3	6	7	9	11	4	190	36	52	1003	0.00
	15:15	10	8	3	7	8	20	23	4	197	35	54	1003	0.00
	15:30	11	9	3	6	8	18	20	3	193	35	56	1003	0.00
	15:45	7	7	2	6	6	14	16	3	201	34	58	1003	0.00
	16:00	6	7	3	6	7	11	13	3	203	34	59	1003	0.00
	16:15	4	6	2	5	7	8	9	3	177	34	62	1003	0.00
	16:30	4	6	3	6	7	7	8	3	186	33	62	1003	0.00
	16:45	5	7	3	7	7	8	10	3	195	33	60	1002	0.00
	17:00	4	7	2	7	7	7	9	3	187	33	59	1003	0.00
	17:15	4	6	2	7	6	7	8	4	191	33	59	1003	0.00
	17:30	3	5	2	6	6	5	6	3	184	33	57	1003	0.00
	17:45	3	5	2	6	5	6	6	3	186	33	58	1003	0.00
	18:00	3	5	2	6	6	5	7	3	180	33	59	1003	0.00
	18:15	3	5	2	6	5	5	6	3	178	33	59	1003	0.00
	18:30	3	5	2	6	5	5	6	4	170	33	58	1002	0.00
	18:45	3	5	2	6	6	5	6	3	171	33	60	1002	0.00
	19:00	3	6	2	6	6	5	6	3	171	33	60	1002	0.00
	19:15	4	6	2	7	6	6	7	3	180	33	61	1003	0.00
	19:30	4	6	2	8	6	6	7	3	171	33	61	1003	0.00
	19:45	4	6	2	8	6	6	7	3	166	33	64	1003	0.00
	20:00	3	5	2	6	6	5	6	3	179	33	64	1003	0.00
	20:15	4	6	2	8	6	6	7	3	188	33	64	1003	0.00
	20:30	4	7	3	8	7	6	7	3	193	33	64	1003	0.00
	20:45	5	6	2	8	6	7	9	3	195	33	62	1003	0.00
	21:00	4	6	2	7	6	8	9	3	201	33	63	1003	0.00
	21:15	4	6	2	7	6	6	7	3	201	32	64	1003	0.00
	21:30	4	6	2	8	6	5	7	3	195	32	65	1003	0.00
	21:45	4	7	3	7	7	6	7	3	198	31	65	1003	0.00
	22:00	4	6	3	9	6	6	8	3	207	31	67	1003	0.00
	22:15	5	7	2	8	7	6	8	3	203	31	66	1003	0.00
	22:30	4	6	3	8	7	6	8	3	207	31	67	1003	0.00
	22:45	5	7	3	8	7	6	7	3	196	31	66	1003	0.00
	23:00	4	7	3	7	7	6	8	3	203	31	66	1003	0.00
	23:15	5	7	3	8	7	7	8	3	201	31	67	1003	0.00
	23:30	4	7	3	8	7	6	8	3	199	31	66	1003	0.00
	23:45	5	7	3	8	7	6	8	4	201	31	66	1003	0.00
	00:00	5	8	3	8	8	7	9	3	197	31	67	1003	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	4	8	3	8	8	7	9	3	195	31	66	1002	0.00
	00:30	4	8	3	8	7	7	9	4	191	31	66	1002	0.00
	00:45	3	8	3	7	8	7	9	3	196	31	67	1002	0.00
	01:00	4	8	3	8	8	7	9	3	197	31	66	1002	0.00
	01:15	3	8	3	8	8	7	9	4	199	31	66	1002	0.00
	01:30	4	8	3	8	7	7	8	3	195	31	66	1002	0.00
	01:45	2	7	3	6	7	7	8	3	204	31	66	1002	0.00
	02:00	4	8	3	7	8	7	8	3	201	31	67	1002	0.00
	02:15	3	7	3	7	7	6	8	3	209	31	67	1002	0.00
	02:30	5	8	3	7	7	8	10	3	208	31	65	1002	0.00
	02:45	4	8	3	7	7	7	9	3	202	32	66	1002	0.00
	03:00	7	9	3	7	8	11	13	3	202	31	66	1002	0.00
	03:15	5	8	3	7	7	9	11	3	203	32	66	1002	0.00
	03:30	3	8	3	7	7	7	9	3	199	32	66	1002	0.00
	03:45	4	7	3	6	8	6	8	3	199	32	66	1002	0.00
	04:00	3	8	3	7	7	7	8	3	208	32	66	1003	0.00
	04:15	4	7	3	7	7	6	8	2	197	31	68	1003	0.00
	04:30	3	8	3	6	7	6	7	2	200	31	67	1003	0.00
	04:45	10	9	3	6	8	10	13	2	206	31	67	1003	0.00
	05:00	5	8	3	7	7	10	12	2	213	31	67	1003	0.00
	05:15	4	7	3	6	7	7	9	2	210	31	68	1003	0.00
	05:30	4	7	3	6	7	6	8	2	191	31	70	1003	0.00
	05:45	2	8	3	6	7	6	7	2	186	30	72	1003	0.00
	06:00	3	7	3	6	7	6	7	2	190	30	72	1003	0.00
	06:15	3	7	3	7	7	5	7	2	197	30	71	1003	0.00
	06:30	3	7	3	7	7	6	7	2	199	30	71	1003	0.00
	06:45	3	8	3	6	7	6	7	2	204	30	71	1003	0.00
	07:00	2	7	3	6	7	6	7	2	195	30	71	1003	0.00
	07:15	3	7	2	6	7	6	7	2	198	30	71	1003	0.00
	07:30	2	7	3	6	7	5	7	2	198	30	71	1004	0.00
	07:45	2	6	3	6	6	5	7	2	201	31	70	1004	0.00
	08:00	4	5	2	4	4	6	8	3	199	32	67	1004	0.00
	08:15	4	7	2	6	5	4	5	3	191	33	66	1004	0.00
	08:30	4	6	3	6	5	6	7	3	191	34	64	1004	0.00
	08:45	4	6	2	6	5	6	7	3	193	35	61	1004	0.00
	09:00	5	6	2	6	5	7	8	3	202	37	58	1004	0.00
	09:15	5	7	3	6	6	8	8	3	200	39	55	1004	0.00
	09:30	4	6	2	5	6	7	8	3	202	40	51	1005	0.00
	09:45	3	6	2	5	5	5	6	5	210	41	50	1005	0.00
	10:00	3	5	2	5	5	6	6	5	204	41	51	1005	0.00
	10:15	3	5	2	5	4	6	6	4	202	42	50	1005	0.00
	10:30	3	6	2	6	5	6	7	5	199	43	49	1005	0.00
	10:45	2	5	2	4	4	5	6	5	205	43	48	1004	0.00
	11:00	3	5	2	6	5	6	6	5	201	44	49	1004	0.00
	11:15	3	6	2	8	5	6	7	5	208	45	48	1004	0.00
	11:30	3	5	2	6	4	6	7	6	201	45	47	1004	0.00
	11:45	3	6	2	7	5	6	7	7	202	46	46	1004	0.00
12/20/2023	12:00	4	7	3	7	6	7	8	5	203	47	45	1004	0.00
	12:15	5	7	2	7	6	4	9	5	207	47	45	1004	0.00
	12:30	4	6	2	9	5	5	8	6	211	48	44	1003	0.00
	12:45	3	6	2	9	5	6	8	5	203	48	44	1003	0.00
	13:00	4	7	3	8	5	6	8	6	212	49	44	1003	0.00
	13:15	5	7	3	8	6	7	9	5	221	49	44	1003	0.00
	13:30	3	6	2	6	5	6	7	5	220	50	43	1003	0.00
	13:45	2	5	2	6	4	5	7	5	218	51	40	1003	0.00
	14:00	2	5	2	5	4	5	7	5	213	51	42	1003	0.00
	14:15	2	5	2	4	4	5	7	5	209	52	41	1003	0.00
	14:30	2	5	2	4	4	5	7	4	222	51	42	1003	0.00
	14:45	3	5	2	6	4	5	7	4	211	51	47	1003	0.00
	15:00	2	6	2	6	4	5	7	4	221	51	45	1003	0.00
	15:15	3	5	2	7	4	5	7	3	225	50	46	1003	0.00
	15:30	2	5	2	5	4	5	7	4	214	49	49	1003	0.00
	15:45	3	5	2	6	4	5	7	3	208	49	52	1003	0.00
	16:00	4	6	2	8	5	6	7	4	203	48	51	1003	0.00
	16:15	4	6	2	7	5	6	8	4	192	47	51	1003	0.00
	16:30	4	6	2	8	5	6	7	3	181	46	54	1003	0.00
	16:45	3	6	2	6	5	5	7	3	178	45	56	1003	0.00
	17:00	6	10	4	11	7	6	8	3	183	45	56	1003	0.00
	17:15	8	10	4	12	8	8	10	3	177	45	55	1003	0.00
	17:30	8	11	4	12	9	9	11	3	179	45	53	1003	0.00
	17:45	9	11	4	12	10	10	12	3	178	45	55	1004	0.00
	18:00	8	10	4	10	10	10	13	3	177	44	56	1004	0.00
	18:15	7	9	4	9	9	10	12	3	172	44	57	1004	0.00
	18:30	5	8	3	8	7	8	10	3	168	44	57	1004	0.00
	18:45	6	9	3	9	7	7	9	3	166	44	57	1004	0.00
	19:00	6	9	3	9	9	7	9	3	166	44	58	1004	0.00
	19:15	5	7	3	7	6	6	8	3	178	44	57	1004	0.00
	19:30	5	8	3	7	7	7	9	3	179	44	57	1004	0.00
	19:45	5	8	3	8	7	7	9	3	180	44	59	1004	0.00
	20:00	5	8	3	8	7	7	9	3	186	43	57	1004	0.00
	20:15	5	8	3	7	7	6	9	3	176	43	60	1004	0.00
	20:30	5	8	3	7	7	7	9	3	174	42	61	1004	0.00
	20:45	5	8	3	7	7	7	9	4	187	42	57	1004	0.00
	21:00	5	8	3	8	8	7	9	5	196	43	58	1004	0.00
	21:15	5	8	3	7	8	7	10	4	189	42	58	1004	0.00
	21:30	4	7	3	6	6	6	8	4	199	42	60	1005	0.00
	21:45	4	7	3	6	6	5	8	4	203	42	59	1005	0.00
	22:00	5	7	3	6	5	6	8	3	192	42	60	1005	0.00
	22:15	5	7	3	6	6	6	8	3	194	42	61	1005	0.00
	22:30	6	9	3	7	7	6	8	3	196	42	62	1005	0.00
	22:45	6	8	3	8	6	6	9	4	195	41	64	1005	0.00
	23:00	6	9	3	8	7	7	9	4	200	42	65	1005	0.00
	23:15	6	8	3	8	7	7	10	4	197	42	66	1005	0.00
	23:30	6	9	4	8	8	8	10	4	203	41	66	1005	0.00
	23:45	7	9	3	9	7	8	10	3	198	41	67	1005	0.00
	00:00	6	9	4	9	7	7	10	3	198	41	68	1005	0.00

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

Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
12/21/2023	00:15	2	9	4	9	8	8	8	3	191	40	68	1005	0.00
	00:30	1	9	4	10	9	8	8	4	189	40	69	1005	0.00
	00:45	1	11	5	11	11	8	9	3	200	40	70	1005	0.00
	01:00	2	11	4	10	11	11	11	3	185	39	72	1005	0.00
	01:15	1	9	4	9	8	8	9	2	181	38	75	1005	0.00
	01:30	2	10	4	10	9	8	8	2	193	37	77	1005	0.00
	01:45	1	10	4	10	9	8	8	2	193	36	77	1005	0.00
	02:00	2	11	4	10	9	8	8	3	186	37	77	1005	0.00
	02:15	2	11	5	11	10	9	9	3	185	38	74	1005	0.00
	02:30	2	11	4	11	10	9	10	2	187	39	72	1005	0.00
	02:45	3	11	4	11	10	9	10	2	184	39	73	1005	0.00
	03:00	2	10	4	10	10	9	9	2	185	39	73	1005	0.00
	03:15	2	10	4	11	10	9	9	2	189	39	74	1005	0.00
	03:30	2	10	4	10	9	8	9	2	192	38	75	1004	0.00
	03:45	2	10	4	11	10	9	9	2	184	39	73	1004	0.00
	04:00	2	10	4	10	9	9	9	2	180	40	74	1004	0.00
	04:15	1	10	4	10	9	9	9	3	183	40	72	1004	0.00
	04:30	1	9	4	10	9	8	9	3	183	40	72	1004	0.00
	04:45	1	9	4	10	9	8	9	3	180	41	73	1004	0.00
	05:00	1	9	4	9	8	9	8	3	182	40	72	1004	0.00
	05:15	1	9	4	9	8	8	8	2	184	40	74	1005	0.00
	05:30	1	9	4	10	8	8	8	2	186	40	74	1005	0.00
	05:45	1	9	3	9	8	8	8	3	188	40	75	1005	0.00
	06:00	1	9	4	10	8	8	8	3	185	40	73	1005	0.00
	06:15	1	9	4	9	8	8	8	3	191	40	73	1005	0.00
	06:30	1	9	4	10	8	8	8	2	177	40	74	1005	0.00
	06:45	1	9	4	9	9	8	8	3	176	40	75	1005	0.00
	07:00	1	9	4	10	8	8	8	3	183	39	77	1005	0.00
	07:15	1	9	4	10	8	8	8	3	183	38	78	1005	0.00
	07:30	1	9	4	10	9	8	9	3	183	37	79	1005	0.00
	07:45	2	7	3	10	8	8	8	3	194	37	79	1005	0.00
	08:00	7	10	3	7	6	8	9	2	192	37	79	1005	0.00
	08:15	7	11	4	10	9	5	6	3	187	38	77	1005	0.00
	08:30	9	12	5	12	11	9	11	3	183	40	72	1005	0.00
	08:45	10	13	5	12	12	11	12	3	187	41	68	1005	0.00
	09:00	9	12	5	12	11	10	12	4	186	42	65	1005	0.00
	09:15	8	11	5	11	11	10	11	4	189	43	66	1005	0.00
	09:30	8	11	5	11	10	10	12	3	199	43	66	1005	0.00
	09:45	7	10	4	11	10	9	11	3	197	44	63	1006	0.00
	10:00	7	10	4	10	10	9	10	5	202	45	62	1006	0.00
	10:15	10	13	5	12	12	11	13	5	203	45	62	1006	0.00
	10:30	10	13	6	12	13	12	14	4	193	46	64	1005	0.00
	10:45	9	12	5	11	11	11	12	4	202	46	62	1005	0.00
	11:00	7	10	4	12	10	9	10	4	214	48	59	1005	0.00
	11:15	6	9	4	10	9	9	10	3	221	49	57	1005	0.00
	11:30	6	9	4	9	9	9	10	3	210	50	55	1005	0.00
	11:45	6	9	4	11	8	8	10	3	229	51	51	1004	0.00
	12:00	6	9	4	9	8	8	9	3	212	52	53	1004	0.00
	12:15	6	9	4	9	9	9	10	3	216	53	52	1004	0.00
	12:30	6	9	4	9	9	9	10	4	223	53	50	1004	0.00
	12:45	6	9	4	9	9	9	10	3	212	53	53	1004	0.00
	13:00	7	10	4	10	10	9	11	3	200	54	51	1004	0.00
	13:15	8	11	5	11	11	11	12	3	202	54	51	1003	0.00
	13:30	7	10	4	9	10	11	12	3	210	53	49	1003	0.00
	13:45	6	9	4	8	9	9	10	2	205	54	48	1003	0.00
	14:00	6	9	4	8	8	9	10	3	187	54	51	1003	0.00
	14:15	7	10	4	10	9	10	12	3	198	54	50	1003	0.00
	14:30	10	13	5	12	12	14	17	2	188	54	53	1003	0.00
	14:45	7	10	4	10	9	10	11	2	183	53	54	1003	0.00
	15:00	6	9	3	9	9	9	10	3	188	53	54	1003	0.00
	15:15	5	8	3	9	8	8	9	2	184	53	55	1003	0.00
	15:30	5	8	3	9	8	8	9	2	177	53	56	1003	0.00
	15:45	6	9	4	10	9	8	10	3	172	53	56	1003	0.00
	16:00	5	9	3	11	8	8	9	2	179	52	55	1003	0.00
	16:15	5	8	3	10	8	8	9	3	173	52	55	1003	0.00
	16:30	5	8	3	7	7	7	8	3	173	51	55	1003	0.00
	16:45	5	8	3	7	8	7	9	2	181	51	55	1003	0.00
	17:00	5	8	3	8	8	8	9	2	153	51	56	1003	0.00
	17:15	5	9	3	10	8	8	9	2	170	51	54	1003	0.00
	17:30	5	9	3	10	8	8	9	2	156	50	57	1003	0.00
	17:45	6	9	4	10	8	8	9	3	157	50	57	1003	0.00
	18:00	6	9	3	10	8	8	9	2	172	50	58	1003	0.00
	18:15	6	9	3	10	8	8	9	2	202	50	57	1003	0.00
	18:30	6	9	4	10	9	8	9	2	188	50	59	1003	0.00
	18:45	7	10	4	11	10	9	10	2	183	50	59	1003	0.00
	19:00	7	11	4	11	10	10	11	2	198	50	59	1003	0.00
	19:15	8	10	4	11	10	10	10	2	187	49	60	1003	0.00
	19:30	7	10	4	11	10	10	11	2	203	49	59	1003	0.00
	19:45	8	11	4	12	11	10	11	3	197	49	58	1003	0.00
	20:00	11	13	6	15	13	12	14	3	194	49	56	1003	0.00
	20:15	12	15	6	17	14	14	16	4	199	49	57	1003	0.00
	20:30	12	15	6	17	15	14	16	4	210	48	58	1003	0.00
	20:45	12	15	7	17	15	14	16	3	197	48	59	1003	0.00
	21:00	12	15	6	16	14	14	16	5	187	48	62	1003	0.00
	21:15	12	15	6	15	14	13	15	4	200	47	61	1002	0.00
	21:30	12	15	6	13	14	13	15	5	201	47	63	1002	0.00
	21:45	11	14	6	15	13	13	14	4	188	47	65	1002	0.00
	22:00	11	15	6	14	14	13	15	4	194	47	65	1002	0.00
	22:15	12	14	6	16	14	13	15	4	188	46	66	1002	0.00
	22:30	11	15	7	14	14	13	15	4	180	46	66	1002	0.00
	22:45	12	14	6	16	14	13	16	4	177	47	66	1002	0.00
	23:00	12	15	6	15	14	12	15	4	182	47	66	1002	0.00
	23:15	11	13	6	16	13	13	15	4	189	47	64	1002	0.00
	23:30	11	14	6	15	14	13	15	5	201	47	65	1002	0.00
	23:45	11	14	6	16	13	13	15	5	198	47	67	1002	0.00
	00:00	11	15	7	15	14	13	15	5	194	47	68	1002	0.00

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

Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
12/22/2023	00:15	2	14	6	14	15	13	14	5	195	46	69	1001	0.00
	00:30	0	14	6	13	13	13	15	5	206	46	70	1001	0.00
	00:45	0	15	6	13	13	13	15	5	197	46	72	1001	0.00
	01:00	0	14	6	12	13	12	14	5	199	46	77	1001	0.00
	01:15	0	14	6	12	14	13	15	5	200	45	78	1001	0.00
	01:30	0	14	6	12	14	13	15	5	198	45	79	1001	0.00
	01:45	0	15	6	13	14	12	15	5	198	45	82	1001	0.00
	02:00	0	14	6	14	14	13	15	5	203	45	86	1001	0.00
	02:15	0	15	6	14	14	13	15	4	190	44	87	1001	0.00
	02:30	0	14	6	14	14	12	15	3	190	44	86	1001	0.00
	02:45	0	15	6	14	13	13	15	3	186	45	84	1001	0.00
	03:00	0	15	6	15	14	13	15	3	193	45	83	1001	0.00
	03:15	0	15	7	15	14	13	15	4	192	45	83	1001	0.00
	03:30	0	16	7	15	14	13	15	4	194	45	82	1001	0.00
	03:45	0	15	7	15	14	13	15	4	192	45	82	1001	0.00
	04:00	0	15	7	15	14	13	15	4	199	46	83	1001	0.00
	04:15	0	15	6	15	14	13	15	4	194	46	86	1001	0.00
	04:30	0	15	6	13	14	13	15	5	203	45	88	1001	0.00
	04:45	0	15	6	13	14	13	15	5	198	45	88	1001	0.00
	05:00	0	15	7	14	14	14	16	5	200	45	89	1001	0.00
	05:15	0	15	7	13	14	13	17	5	203	45	89	1001	0.00
	05:30	0	15	7	13	14	13	16	4	196	45	88	1001	0.00
	05:45	0	15	7	14	15	14	16	4	196	45	88	1001	0.00
	06:00	0	16	7	14	15	14	16	5	201	45	88	1001	0.00
	06:15	0	15	7	14	15	14	16	4	199	45	88	1001	0.00
	06:30	0	16	7	14	15	14	16	4	195	45	88	1001	0.00
	06:45	0	16	7	15	15	14	16	4	191	45	88	1001	0.00
	07:00	0	16	7	15	15	13	16	4	189	45	88	1001	0.00
	07:15	0	16	7	15	15	14	16	4	196	45	88	1001	0.00
	07:30	0	16	7	15	15	14	16	4	193	45	88	1001	0.00
	07:45	0	16	7	15	15	14	17	4	191	45	88	1001	0.00
	08:00	0	16	7	15	15	14	17	4	192	45	88	1001	0.00
	08:15	0	16	7	14	15	14	17	4	186	45	90	1001	0.00
	08:30	0	16	7	14	15	14	17	4	186	45	90	1001	0.00
	08:45	0	16	7	14	15	14	17	4	184	45	90	1001	0.00
	09:00	61	22	8	15	17	71	120	3	184	45	91	1001	0.00
	09:15	172	73	19	34	19	339	382	3	179	45	92	1001	0.00
	09:30	93	41	10	19	19	227	239	4	185	46	92	1001	0.01
	09:45	36	30	11	20	21	72	80	4	192	46	92	1001	0.00
	10:00	41	29	9	17	19	79	96	3	188	46	92	1001	0.00
	10:15	32	33	11	20	20	69	83	3	181	46	93	1001	0.00
	10:30	18	25	10	20	21	46	52	3	195	46	93	1001	0.00
	10:45	5	20	9	18	19	30	38	3	191	47	93	1001	0.00
	11:00	5	21	9	18	19	24	27	3	194	47	94	1000	0.01
	11:15	5	21	9	19	20	27	31	4	192	47	94	1000	0.00
	11:30	7	22	10	19	20	28	36	3	186	47	95	1000	0.01
	11:45	24	28	11	21	22	51	61	4	187	47	96	1000	0.00
	12:00	26	34	11	23	27	47	53	4	192	47	95	1000	0.00
	12:15	15	28	12	24	31	31	40	4	196	47	95	999	0.00
	12:30	10	24	10	18	19	34	37	4	199	47	95	999	0.00
	12:45	16	28	12	24	26	34	40	5	198	47	95	999	0.00
	13:00	19	30	12	23	29	34	41	4	192	47	95	999	0.00
	13:15	14	26	11	22	24	34	38	4	187	47	95	999	0.00
	13:30	18	30	13	27	27	33	41	4	193	47	96	999	0.00
	13:45	17	34	16	33	32	36	42	4	188	47	97	998	0.00
	14:00	21	37	16	35	34	43	50	4	186	47	97	998	0.00
	14:15	13	29	13	26	28	31	38	4	180	47	97	998	0.00
	14:30	8	24	10	20	22	30	35	4	185	47	97	998	0.00
	14:45	4	19	9	16	19	23	27	4	193	47	97	998	0.01
	15:00	2	17	7	14	16	23	29	5	194	47	96	998	0.00
	15:15	1	15	6	13	14	21	25	5	193	47	96	998	0.00
	15:30	0	14	7	13	14	15	19	4	197	47	97	998	0.00
	15:45	0	13	5	11	12	15	18	4	193	47	96	998	0.00
	16:00	0	11	5	9	11	13	16	4	192	47	96	998	0.00
	16:15	0	10	4	8	10	12	15	4	187	47	96	998	0.00
	16:30	0	10	4	7	10	9	11	4	189	47	97	998	0.00
	16:45	0	10	4	8	10	10	12	5	185	47	97	998	0.00
	17:00	0	11	5	9	11	13	16	4	200	47	97	998	0.00
	17:15	1	15	6	12	13	18	22	4	204	47	97	998	0.00
	17:30	1	17	7	14	15	20	24	5	195	47	97	998	0.01
	17:45	1	17	7	12	17	19	24	4	192	47	97	998	0.01
	18:00	0	15	6	13	17	15	16	6	194	47	97	998	0.01
	18:15	0	17	7	14	18	15	18	6	201	47	97	998	0.02
	18:30	0	16	7	13	15	16	20	5	193	47	98	998	0.01
	18:45	1	16	7	14	15	18	21	5	198	47	97	998	0.02
	19:00	2	18	7	14	17	19	22	5	197	47	98	998	0.01
	19:15	4	20	8	17	18	20	25	6	202	47	97	998	0.00
	19:30	5	20	8	17	20	24	27	6	195	47	97	998	0.00
	19:45	2	21	9	17	22	18	22	6	199	47	97	998	0.00
	20:00	1	19	9	18	21	16	19	6	207	47	97	998	0.00
	20:15	0	17	8	17	20	15	18	6	206	47	97	998	0.00
	20:30	1	18	9	17	21	15	19	6	208	47	97	998	0.00
	20:45	0	18	8	16	18	15	18	5	201	47	96	998	0.00
	21:00	0	17	9	16	19	15	18	3	209	47	95	998	0.00
	21:15	0	16	8	16	19	15	17	5	215	48	93	998	0.00
	21:30	0	16	7	16	19	14	17	5	203	48	93	998	0.00
	21:45	0	16	8	16	18	14	16	5	206	48	93	998	0.00
	22:00	0	17	9	17	21	15	18	4	201	48	92	998	0.00
	22:15	1	17	8	16	19	15	18	4	208	48	91	998	0.00
	22:30	0	16	7	15	16	14	17	4	210	48	91	998	0.00
	22:45	0	16	8	15	18	14	17	4	211	48	91	998	0.00
	23:00	0	17	8	15	20	14	17	3	207	48	91	998	0.00
	23:15	0	16	7	14	17	14	17	4	208	48	92	998	0.00
	23:30	0	15	6	13	16	14	16	4	213	48	94	998	0.00
	23:45	0	14	7	13	15	13	16	4	217	48	93	998	0.00
	00:00	0	14	6	13	15	13	16	4	218	48	94	998	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	8	15	6	13	14	13	15	4	220	48	95	998	0.00
	00:30	10	15	6	15	15	13	15	4	216	48	94	998	0.00
	00:45	11	15	7	16	16	14	16	3	216	48	94	998	0.00
	01:00	10	14	6	15	15	14	16	3	219	49	94	998	0.00
	01:15	11	15	7	15	15	13	16	4	225	49	94	998	0.00
	01:30	10	16	7	15	15	14	16	3	220	49	94	998	0.00
	01:45	11	16	7	16	16	14	16	3	220	49	94	998	0.00
	02:00	11	16	7	16	16	14	16	3	220	49	94	998	0.00
	02:15	12	16	7	16	17	15	16	3	215	49	94	998	0.00
	02:30	12	16	7	17	17	15	17	3	222	49	94	998	0.00
	02:45	12	17	8	18	18	15	18	3	218	49	94	998	0.00
	03:00	13	17	8	17	16	16	18	2	217	49	93	998	0.00
	03:15	13	16	7	17	17	16	18	3	212	49	93	998	0.00
	03:30	12	17	8	17	17	15	18	3	217	49	93	998	0.00
	03:45	14	18	9	18	18	15	18	3	214	49	94	998	0.00
	04:00	13	18	8	18	19	16	19	3	225	49	94	998	0.00
	04:15	13	18	8	18	18	16	19	3	219	49	94	998	0.00
	04:30	15	19	8	19	19	17	19	4	214	49	95	998	0.00
	04:45	14	20	9	20	20	17	20	3	213	49	95	998	0.00
	05:00	16	20	9	21	21	19	21	2	207	49	95	998	0.00
	05:15	17	21	10	21	20	20	23	2	200	49	95	998	0.00
	05:30	16	22	10	20	20	20	23	2	198	49	96	998	0.00
	05:45	18	24	10	22	21	21	25	2	193	49	96	998	0.00
	06:00	18	23	11	22	23	21	25	2	199	49	96	998	0.00
	06:15	17	23	10	22	25	21	23	2	198	49	96	998	0.00
	06:30	17	21	9	21	21	19	23	3	203	49	96	999	0.00
	06:45	18	24	10	23	23	21	25	3	200	49	96	999	0.00
	07:00	20	25	11	24	24	23	26	2	204	49	96	999	0.00
	07:15	27	34	15	34	29	25	32	2	202	49	97	999	0.00
	07:30	34	41	18	39	36	34	41	2	209	49	97	999	0.00
	07:45	33	40	19	38	39	35	41	2	215	49	97	999	0.00
	08:00	27	34	15	33	35	30	36	3	219	49	97	999	0.00
	08:15	24	28	13	28	28	26	31	3	210	49	96	999	0.00
	08:30	20	25	12	25	25	23	27	2	211	49	96	999	0.00
	08:45	20	24	11	23	23	21	25	2	204	50	96	999	0.00
	09:00	18	23	10	22	22	20	24	2	219	50	96	1000	0.00
	09:15	23	30	15	32	29	24	28	2	205	50	96	1000	0.00
	09:30	31	36	17	37	35	31	36	3	216	51	96	1000	0.00
	09:45	33	41	19	40	38	35	41	3	213	51	96	1000	0.00
	10:00	32	37	16	36	36	32	38	2	213	51	95	1000	0.00
	10:15	23	28	13	28	28	26	30	2	221	51	95	1000	0.00
	10:30	18	24	11	23	23	21	25	2	206	52	95	1000	0.00
	10:45	18	22	10	23	22	20	23	2	218	52	94	1000	0.00
	11:00	18	22	10	22	21	19	23	2	226	52	94	1000	0.00
	11:15	18	23	11	23	22	20	24	2	215	52	94	1000	0.00
	11:30	19	24	11	24	23	21	25	2	223	52	95	999	0.00
	11:45	19	24	11	24	23	21	26	2	230	53	94	999	0.00
12/23/2023	12:00	19	25	11	26	24	22	26	3	224	53	95	999	0.00
	12:15	19	25	12	27	25	23	27	3	229	53	94	999	0.00
	12:30	19	26	11	25	24	22	25	3	218	53	94	999	0.00
	12:45	20	24	11	26	23	22	26	3	212	53	94	999	0.00
	13:00	18	24	11	25	23	22	25	2	205	54	93	998	0.00
	13:15	17	23	10	25	22	21	25	3	228	54	92	998	0.00
	13:30	18	23	10	25	22	20	24	3	217	55	92	998	0.00
	13:45	18	22	10	24	22	20	24	2	220	55	92	998	0.00
	14:00	18	22	10	24	22	21	23	2	226	55	91	998	0.00
	14:15	17	22	10	24	22	21	23	2	236	55	91	998	0.00
	14:30	17	22	10	24	22	20	23	2	211	55	91	998	0.00
	14:45	17	22	10	22	21	20	23	1	212	55	91	998	0.00
	15:00	17	21	10	23	21	19	23	1	208	56	91	998	0.00
	15:15	17	22	10	23	21	19	22	1	184	56	91	998	0.00
	15:30	15	21	10	23	20	20	23	2	219	56	91	998	0.00
	15:45	16	20	9	22	20	19	22	2	206	56	91	999	0.00
	16:00	16	20	9	21	20	20	23	1	195	55	93	999	0.00
	16:15	16	20	9	22	21	19	22	2	186	55	93	999	0.00
	16:30	15	21	9	22	22	19	22	1	200	55	93	999	0.00
	16:45	17	21	10	23	21	19	22	1	229	55	94	999	0.00
	17:00	16	21	10	23	21	19	23	1	157	54	94	999	0.00
	17:15	16	21	9	23	21	19	22	1	186	54	95	999	0.00
	17:30	17	21	10	22	23	20	23	1	206	53	95	999	0.00
	17:45	18	22	10	23	21	19	23	1	173	53	96	999	0.00
	18:00	17	23	10	24	22	19	23	1	206	53	96	1000	0.00
	18:15	21	24	11	25	24	22	25	1	180	53	96	1000	0.00
	18:30	23	26	12	27	24	23	27	1	173	53	96	1000	0.00
	18:45	23	28	12	27	29	22	26	1	210	53	96	1000	0.00
	19:00	26	30	14	29	29	26	29	2	184	53	96	1000	0.00
	19:15	24	32	14	31	31	27	32	2	211	53	97	1000	0.00
	19:30	27	33	15	32	30	27	33	1	179	53	96	1000	0.00
	19:45	24	31	14	31	31	28	33	2	181	53	96	1000	0.00
	20:00	27	31	14	32	31	27	32	2	191	53	96	1000	0.00
	20:15	23	30	14	31	31	26	32	2	182	53	97	1000	0.00
	20:30	26	30	13	30	29	26	33	2	214	53	97	1000	0.00
	20:45	24	30	15	30	30	28	32	1	218	53	97	1000	0.00
	21:00	25	31	14	31	31	28	32	1	208	52	97	1000	0.00
	21:15	24	29	13	29	30	26	32	2	180	52	97	1000	0.00
	21:30	23	30	14	29	31	28	31	1	176	52	98	1000	0.00
	21:45	24	29	13	28	29	26	30	2	179	52	98	1000	0.00
	22:00	23	28	14	29	30	28	32	1	211	51	98	1000	0.00
	22:15	24	30	13	29	29	26	33	2	187	51	98	1000	0.00
	22:30	25	31	14	28	30	28	32	2	180	51	98	1000	0.00
	22:45	24	30	13	28	29	27	31	2	179	50	98	1000	0.00
	23:00	23	28	12	26	28	23	29	2	184	50	99	1000	0.00
	23:15	20	25	11	23	22	20	22	1	188	50	99	1000	0.00
	23:30	17	20	10	19	15	14	18	2	170	49	99	1000	0.00
	23:45	17	21	9	19	18	18	20	2	159	49	99	1000	0.00
	00:00	17	22	9	20	21	19	24	2	155	49	99	1000	0.00

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

Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
12/24/2023	00:15	17	21	10	20	22	23	25	2	157	49	99	999	0.00
	00:30	17	22	9	21	21	23	27	2	157	49	100	999	0.00
	00:45	19	24	11	23	24	20	26	2	166	49	99	999	0.00
	01:00	22	25	12	24	27	23	27	2	167	49	99	999	0.00
	01:15	20	26	11	25	24	22	27	2	157	49	99	999	0.00
	01:30	22	25	12	24	22	22	25	3	156	49	99	999	0.00
	01:45	19	24	11	23	23	19	24	3	151	49	100	999	0.00
	02:00	19	23	11	22	25	22	25	2	169	49	100	999	0.00
	02:15	20	27	11	24	24	21	27	2	175	50	100	999	0.00
	02:30	24	28	13	27	26	24	29	2	180	50	99	1000	0.00
	02:45	23	28	13	27	27	25	30	2	155	50	99	999	0.00
	03:00	26	28	13	28	27	25	30	2	140	49	99	999	0.00
	03:15	22	27	12	25	19	19	23	2	154	49	100	999	0.00
	03:30	24	30	13	28	25	23	29	2	150	50	100	999	0.00
	03:45	25	29	13	27	29	25	31	2	154	50	99	999	0.00
	04:00	25	30	13	29	30	28	32	2	155	50	99	999	0.00
	04:15	25	31	15	31	30	26	32	2	137	50	98	999	0.00
	04:30	27	31	14	31	29	28	33	2	155	51	98	999	0.00
	04:45	24	30	13	29	30	26	33	3	174	51	98	999	0.00
	05:00	28	31	14	31	32	30	33	3	165	51	98	999	0.00
	05:15	32	39	18	38	36	31	40	3	164	51	98	999	0.00
	05:30	38	45	20	44	42	38	44	2	173	51	98	999	0.00
	05:45	40	45	21	45	42	38	46	2	171	51	98	999	0.00
	06:00	34	40	18	41	39	37	42	2	160	51	99	999	0.00
	06:15	35	37	17	38	37	33	41	2	147	51	99	999	0.00
	06:30	30	38	18	36	36	35	41	2	153	52	99	999	0.00
	06:45	32	37	16	36	35	32	39	2	145	52	99	999	0.00
	07:00	32	37	18	38	36	32	39	3	135	52	99	999	0.00
	07:15	35	38	18	41	38	35	42	2	155	52	99	999	0.00
	07:30	33	41	18	41	39	34	42	2	154	52	99	999	0.00
	07:45	30	39	18	39	36	34	39	2	161	52	99	999	0.00
	08:00	34	39	17	39	37	31	39	2	165	52	99	999	0.00
	08:15	30	36	18	37	35	34	40	3	167	52	99	999	0.00
	08:30	25	31	14	33	29	27	36	3	172	53	99	999	0.00
	08:45	25	29	13	31	29	27	31	3	170	53	98	1000	0.00
	09:00	21	29	13	28	26	23	29	3	156	53	98	999	0.00
	09:15	21	25	11	26	24	23	27	3	162	53	97	1000	0.00
	09:30	18	24	11	25	23	21	26	4	169	54	96	1000	0.00
	09:45	16	20	9	20	19	18	22	3	167	54	94	1000	0.00
	10:00	13	18	8	18	17	17	19	3	166	55	93	1000	0.00
	10:15	12	17	8	16	16	16	19	3	179	57	88	1000	0.00
	10:30	13	18	8	17	19	17	19	4	183	58	86	999	0.00
	10:45	14	17	8	18	17	16	18	3	184	58	86	999	0.00
	11:00	13	16	8	18	17	15	18	4	147	57	87	999	0.00
	11:15	13	16	8	17	16	16	18	3	147	58	84	999	0.00
	11:30	12	16	8	17	16	16	18	3	155	58	85	998	0.00
	11:45	13	16	7	15	15	16	17	3	168	59	82	998	0.00
	12:00	12	15	8	16	15	15	17	4	131	59	82	997	0.00
	12:15	12	15	7	17	15	15	18	4	145	59	81	997	0.00
	12:30	12	15	7	14	15	15	17	3	154	60	79	997	0.00
	12:45	11	15	6	14	14	15	16	4	158	61	76	996	0.00
	13:00	11	13	6	14	14	14	15	4	170	61	76	996	0.00
	13:15	9	13	6	14	13	13	14	3	174	62	75	996	0.00
	13:30	9	12	6	12	13	13	14	4	153	63	75	996	0.00
	13:45	8	11	5	11	12	12	13	3	157	63	72	995	0.00
	14:00	7	10	5	11	11	11	12	3	160	63	70	995	0.00
	14:15	7	10	4	11	11	11	12	4	152	63	70	995	0.00
	14:30	7	10	4	10	10	11	11	3	156	63	72	995	0.00
	14:45	7	10	4	10	10	10	11	3	152	63	70	995	0.00
	15:00	7	9	4	11	11	10	11	4	145	63	70	995	0.00
	15:15	7	10	4	10	10	10	11	4	155	64	70	995	0.00
	15:30	8	11	5	12	11	10	11	4	165	62	72	995	0.00
	15:45	6	10	5	14	10	11	12	4	150	62	73	995	0.00
	16:00	6	10	4	12	10	10	11	4	158	61	74	995	0.00
	16:15	6	9	4	11	10	10	11	4	155	61	75	995	0.00
	16:30	5	9	4	11	9	9	11	3	144	60	76	995	0.00
	16:45	6	9	4	11	9	10	10	4	142	60	77	995	0.00
	17:00	5	9	4	11	9	9	10	3	146	59	78	995	0.00
	17:15	5	9	4	11	9	9	10	3	152	59	77	995	0.00
	17:30	5	9	4	11	9	9	10	4	150	59	77	995	0.00
	17:45	5	8	4	11	9	9	10	4	145	59	77	995	0.00
	18:00	5	8	4	10	9	9	10	4	141	59	77	995	0.00
	18:15	5	8	4	10	9	9	10	4	143	59	77	995	0.00
	18:30	5	8	3	9	8	8	9	4	145	59	77	995	0.00
	18:45	5	8	3	8	8	8	9	4	143	58	78	995	0.00
	19:00	5	8	3	8	8	8	9	4	142	58	78	995	0.00
	19:15	4	8	3	8	8	8	9	4	139	58	78	995	0.00
	19:30	4	8	3	8	8	8	9	5	139	58	78	994	0.00
	19:45	4	8	3	8	8	8	9	5	143	57	77	994	0.00
	20:00	5	8	3	8	8	8	9	5	139	58	77	994	0.00
	20:15	4	8	3	8	8	8	9	4	153	58	77	994	0.00
	20:30	4	8	3	8	7	8	8	4	164	58	77	994	0.00
	20:45	4	8	3	8	8	7	9	3	182	58	77	994	0.00
	21:00	4	8	3	8	8	7	9	4	159	58	78	994	0.00
	21:15	4	8	3	8	8	8	8	3	159	57	78	994	0.00
	21:30	4	7	3	8	8	7	8	3	170	57	78	994	0.00
	21:45	4	7	3	8	8	7	8	4	156	58	77	994	0.00
	22:00	4	7	3	7	8	7	8	4	177	58	77	993	0.00
	22:15	3	7	3	7	7	7	7	5	171	58	75	993	0.00
	22:30	3	7	3	6	7	7	7	5	156	58	76	993	0.00
	22:45	3	7	3	6	7	7	7	4	174	57	76	993	0.00
	23:00	3	7	3	6	7	7	7	4	172	57	76	993	0.00
	23:15	3	6	3	6	7	7	8	4	172	57	75	993	0.00
	23:30	3	6	3	6	7	6	7	4	172	57	76	993	0.00
	23:45	4	6	3	6	7	6	7	4	165	57	75	993	0.00
	00:00	3	7	3	6	6	7	8	4	174	57	74	992	0.00

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

Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	1	7	3	6	7	6	7	3	169	57	73	992	0.00
	00:30	0	7	3	7	7	7	7	3	173	57	72	992	0.00
	00:45	0	6	2	6	7	6	7	3	168	57	72	992	0.00
	01:00	0	6	2	7	6	6	7	3	163	56	72	992	0.00
	01:15	0	6	2	6	6	6	7	3	162	56	72	991	0.00
	01:30	0	6	3	6	6	6	6	4	160	56	71	991	0.00
	01:45	0	6	2	6	6	6	6	3	162	56	72	991	0.00
	02:00	0	6	2	6	6	6	6	4	160	56	71	991	0.00
	02:15	0	6	2	6	6	6	6	3	152	56	72	991	0.00
	02:30	0	6	2	6	6	6	6	4	147	56	72	991	0.00
	02:45	0	6	2	6	6	6	6	4	144	56	72	991	0.00
	03:00	0	5	2	6	5	6	6	4	143	56	72	991	0.00
	03:15	0	6	2	6	6	5	6	3	141	56	73	991	0.00
	03:30	0	6	2	6	5	6	6	3	125	56	74	990	0.00
	03:45	0	6	2	6	6	6	7	4	117	55	75	990	0.00
	04:00	0	6	2	6	6	6	6	4	123	55	76	990	0.00
	04:15	0	6	2	6	6	6	7	4	141	55	76	990	0.00
	04:30	0	6	2	6	6	6	6	4	152	56	78	990	0.00
	04:45	0	5	2	5	5	5	5	4	169	55	85	990	0.00
	05:00	0	5	2	6	5	5	5	4	160	54	91	990	0.00
	05:15	0	5	2	8	5	4	6	4	141	54	93	990	0.00
	05:30	0	5	2	7	5	5	5	4	133	53	93	990	0.01
	05:45	0	6	2	7	5	5	6	4	125	53	91	989	0.00
	06:00	0	6	2	7	6	5	6	4	126	53	89	989	0.00
	06:15	0	6	2	6	6	6	7	4	127	53	91	989	0.02
	06:30	0	6	2	7	6	6	6	5	120	52	93	989	0.01
	06:45	0	5	2	6	6	5	6	5	120	52	94	989	0.01
	07:00	0	6	2	7	5	5	6	5	124	52	95	989	0.01
	07:15	0	5	2	7	6	5	6	5	127	52	95	989	0.00
	07:30	0	5	2	7	5	5	6	5	126	52	96	989	0.01
	07:45	0	5	2	7	5	4	5	6	132	53	96	988	0.01
	08:00	0	5	1	7	5	4	5	5	135	53	95	988	0.01
	08:15	0	4	1	6	4	4	5	5	130	53	95	988	0.00
	08:30	0	4	1	6	4	4	4	6	134	54	95	988	0.01
	08:45	0	4	1	7	4	4	5	5	134	54	96	988	0.01
	09:00	0	4	1	6	4	4	4	6	132	54	96	988	0.02
	09:15	0	3	1	5	4	3	4	6	126	54	96	988	0.00
	09:30	0	3	1	6	4	3	4	6	128	54	96	988	0.02
	09:45	0	3	1	6	3	3	4	6	124	53	97	988	0.01
	10:00	0	3	1	6	3	3	3	6	121	54	97	988	0.02
	10:15	0	3	1	5	3	3	4	7	112	54	97	987	0.01
	10:30	0	3	1	5	3	3	4	6	124	54	97	987	0.01
	10:45	0	2	0	5	2	2	3	6	121	54	97	987	0.01
	11:00	0	2	0	3	2	2	2	6	122	54	97	987	0.00
	11:15	0	2	0	2	2	2	2	6	117	55	96	986	0.00
	11:30	0	2	0	3	2	2	2	6	126	55	96	986	0.00
	11:45	0	2	0	2	2	2	2	5	131	55	96	986	0.01
12/25/2023	12:00	0	1	0	2	2	2	2	6	124	55	97	985	0.01
	12:15	0	1	0	1	1	2	2	6	127	55	97	985	0.01
	12:30	0	1	0	2	2	2	2	5	125	55	97	985	0.01
	12:45	0	1	0	3	2	2	2	6	123	55	97	984	0.01
	13:00	0	1	0	2	2	2	2	5	128	55	97	984	0.01
	13:15	0	1	0	1	2	2	2	4	140	55	97	984	0.01
	13:30	0	1	0	2	1	2	2	5	142	55	97	984	0.00
	13:45	0	1	0	2	2	2	2	5	142	55	97	984	0.00
	14:00	0	1	0	1	1	2	2	4	151	55	97	984	0.01
	14:15	0	1	0	1	1	2	2	5	148	55	97	984	0.01
	14:30	0	0	0	1	1	3	2	5	150	55	97	984	0.01
	14:45	0	1	0	0	1	2	2	3	148	55	97	984	0.01
	15:00	0	0	0	0	1	2	3	3	164	55	97	984	0.01
	15:15	0	0	0	1	1	3	3	3	163	55	98	984	0.01
	15:30	0	0	0	0	1	2	2	3	145	55	98	984	0.02
	15:45	0	0	0	0	1	2	2	3	181	55	98	984	0.01
	16:00	0	0	0	0	1	2	2	4	151	55	98	984	0.02
	16:15	0	0	0	0	1	2	2	4	157	55	98	984	0.01
	16:30	0	0	0	1	1	2	2	4	195	55	94	984	0.01
	16:45	0	1	0	1	1	2	2	4	234	51	96	985	0.02
	17:00	0	0	0	0	2	2	2	5	231	49	97	986	0.02
	17:15	0	0	0	0	1	2	2	6	228	48	98	986	0.02
	17:30	0	0	0	0	1	2	2	6	227	47	97	987	0.01
	17:45	0	1	0	1	1	2	2	6	236	47	95	987	0.00
	18:00	0	1	0	1	2	2	2	6	232	47	97	987	0.00
	18:15	0	1	0	1	2	2	3	7	228	46	96	988	0.00
	18:30	0	1	0	1	2	2	2	7	234	46	94	988	0.00
	18:45	0	1	0	1	1	2	2	8	230	45	95	988	0.00
	19:00	0	1	0	1	1	1	1	6	225	45	95	989	0.00
	19:15	0	1	0	1	1	1	1	6	226	44	94	989	0.00
	19:30	0	1	0	1	1	2	1	6	224	44	94	989	0.00
	19:45	0	1	0	1	2	2	2	6	224	44	94	989	0.00
	20:00	0	1	0	2	2	2	2	5	222	44	94	989	0.00
	20:15	0	2	0	2	2	2	3	7	228	43	94	989	0.00
	20:30	0	2	0	2	2	2	2	7	226	43	93	990	0.00
	20:45	0	1	0	2	2	2	2	6	227	43	93	990	0.00
	21:00	0	1	0	2	2	2	2	5	224	43	93	990	0.00
	21:15	0	1	0	2	2	1	2	5	219	42	94	990	0.00
	21:30	0	2	0	2	2	2	2	6	222	42	92	991	0.00
	21:45	0	1	0	1	2	2	1	6	228	42	92	991	0.00
	22:00	0	1	0	1	1	1	1	6	227	41	91	991	0.00
	22:15	0	1	0	1	1	2	1	5	216	41	91	991	0.00
	22:30	0	2	0	1	1	2	2	6	224	41	89	991	0.00
	22:45	0	1	0	0	1	1	1	6	224	41	87	991	0.00
	23:00	0	1	0	0	1	1	1	5	221	41	87	992	0.00
	23:15	0	0	0	0	1	1	1	4	220	41	88	992	0.00
	23:30	0	1	0	0	1	1	1	4	215	41	88	992	0.00
	23:45	0	0	0	0	1	1	1	5	220	41	87	992	0.00
	00:00	0	0	0	0	1	1	1	5	221	41	88	992	0.00

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

Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	0	0	0	0	1	1	1	5	215	41	88	992	0.00
	00:30	0	0	0	0	0	1	1	6	229	41	90	992	0.00
	00:45	0	0	0	0	0	1	1	6	227	40	94	992	0.00
	01:00	1	1	0	1	1	1	2	6	231	38	90	992	0.00
	01:15	0	0	0	1	0	0	1	5	229	38	88	992	0.00
	01:30	0	0	0	1	0	0	1	5	223	38	86	992	0.00
	01:45	0	0	0	1	0	0	0	6	227	39	84	992	0.00
	02:00	0	0	0	0	0	0	1	5	227	39	83	992	0.00
	02:15	0	0	0	1	0	1	1	4	228	39	87	992	0.00
	02:30	0	0	0	1	0	0	1	5	226	38	89	993	0.00
	02:45	0	0	0	2	0	0	1	5	227	38	90	993	0.00
	03:00	0	0	0	1	0	0	1	5	227	37	89	993	0.00
	03:15	0	1	0	1	1	1	1	4	235	37	89	993	0.00
	03:30	1	1	0	1	1	1	1	4	232	37	89	993	0.00
	03:45	1	1	0	1	1	1	1	3	232	37	89	993	0.00
	04:00	1	1	0	1	1	1	1	3	230	37	90	993	0.00
	04:15	1	1	0	1	1	1	1	4	223	37	86	993	0.00
	04:30	1	1	0	2	1	1	1	4	234	37	81	993	0.00
	04:45	1	1	0	3	1	2	2	4	232	37	81	993	0.00
	05:00	2	2	0	3	1	2	2	4	229	37	80	993	0.00
	05:15	2	2	0	3	2	2	3	3	229	37	81	993	0.00
	05:30	1	2	0	3	2	2	2	4	231	37	81	993	0.00
	05:45	1	2	0	3	2	2	3	3	233	37	79	993	0.00
	06:00	1	2	0	3	2	2	2	3	223	37	82	993	0.00
	06:15	2	2	0	3	2	1	2	2	212	37	81	993	0.00
	06:30	1	1	0	3	2	1	2	2	213	37	83	993	0.00
	06:45	1	1	0	2	1	1	2	2	201	37	81	993	0.00
	07:00	1	2	0	2	1	1	2	2	197	37	82	993	0.00
	07:15	1	2	0	2	2	1	2	2	204	37	84	994	0.00
	07:30	1	2	0	1	2	2	2	3	205	37	84	994	0.00
	07:45	2	2	0	3	2	1	2	3	210	37	78	994	0.00
	08:00	1	2	0	2	2	1	2	4	208	37	77	994	0.00
	08:15	1	1	0	2	1	1	1	4	205	36	78	994	0.00
	08:30	1	1	0	2	1	1	1	4	197	36	72	994	0.00
	08:45	1	1	0	3	1	1	1	4	206	37	75	994	0.00
	09:00	1	2	0	2	2	1	2	5	210	37	70	994	0.00
	09:15	1	1	0	2	1	1	1	4	205	37	72	994	0.00
	09:30	1	1	0	2	1	1	1	4	209	37	72	994	0.00
	09:45	1	1	0	3	2	1	2	5	206	38	69	994	0.00
	10:00	1	1	0	3	1	1	2	4	211	39	67	994	0.00
	10:15	1	1	0	2	1	1	1	4	195	40	67	994	0.00
	10:30	1	1	0	2	1	1	1	6	214	40	67	994	0.00
	10:45	1	1	0	2	1	1	1	6	213	40	65	994	0.00
	11:00	1	1	0	2	1	1	1	6	210	40	64	994	0.00
	11:15	0	1	0	1	1	0	1	6	215	40	63	994	0.00
	11:30	0	0	0	1	0	0	1	5	220	40	64	994	0.00
	11:45	1	1	0	2	1	1	1	5	210	41	64	993	0.00
12/26/2023	12:00	1	1	0	1	1	1	1	5	218	41	62	993	0.00
	12:15	0	1	0	0	0	0	1	6	214	41	59	993	0.00
	12:30	0	0	0	0	0	0	0	6	207	42	60	993	0.00
	12:45	0	0	0	1	0	0	1	6	205	43	59	993	0.00
	13:00	0	0	0	2	0	0	1	6	200	43	58	992	0.00
	13:15	0	1	0	1	0	0	1	7	204	43	59	992	0.00
	13:30	0	1	0	1	0	1	1	6	202	44	57	992	0.00
	13:45	0	1	0	1	0	0	1	6	191	44	58	992	0.00
	14:00	0	1	0	0	0	1	1	5	197	44	56	992	0.00
	14:15	0	1	0	0	0	1	1	4	183	45	54	992	0.00
	14:30	1	1	0	0	1	1	1	5	201	44	54	992	0.00
	14:45	1	1	0	0	1	1	1	5	193	45	56	992	0.00
	15:00	0	1	0	0	0	1	1	4	193	45	54	992	0.00
	15:15	1	1	0	0	0	2	2	4	193	45	54	992	0.00
	15:30	0	1	0	1	1	1	1	5	187	44	55	992	0.00
	15:45	1	1	0	1	1	1	1	5	202	44	57	992	0.00
	16:00	0	1	0	1	1	1	1	5	199	43	59	992	0.00
	16:15	0	1	0	0	1	0	1	3	193	42	63	992	0.00
	16:30	1	1	0	1	1	0	1	3	194	41	66	993	0.00
	16:45	1	1	0	1	1	0	1	3	195	41	69	993	0.00
	17:00	1	1	0	1	1	1	1	2	190	40	69	993	0.00
	17:15	0	1	0	1	1	0	1	2	186	39	70	993	0.00
	17:30	1	1	0	1	1	0	1	2	187	38	73	993	0.00
	17:45	1	1	0	1	1	0	1	2	191	38	73	993	0.00
	18:00	1	1	0	1	1	0	1	2	186	37	75	993	0.00
	18:15	2	2	0	2	1	1	2	2	184	36	76	993	0.00
	18:30	3	3	1	4	2	2	2	2	164	37	74	993	0.00
	18:45	6	6	2	6	5	3	4	2	144	37	74	993	0.00
	19:00	2	2	0	2	4	5	6	2	154	37	74	993	0.00
	19:15	1	2	0	2	2	2	2	2	166	36	75	993	0.00
	19:30	1	2	0	2	2	1	2	2	162	36	75	993	0.00
	19:45	2	2	0	2	1	1	1	2	155	36	75	993	0.00
	20:00	1	2	0	2	2	1	2	2	150	36	77	993	0.00
	20:15	2	2	0	2	2	1	2	1	168	36	77	993	0.00
	20:30	2	2	0	2	2	1	2	2	160	36	78	993	0.00
	20:45	2	2	0	2	2	1	2	2	170	35	79	993	0.00
	21:00	2	2	0	2	2	1	2	2	149	35	78	993	0.00
	21:15	2	2	0	2	2	1	2	2	150	35	79	993	0.00
	21:30	2	2	1	3	2	2	2	2	158	36	79	993	0.00
	21:45	2	2	1	2	2	2	2	2	150	36	79	993	0.00
	22:00	2	3	1	3	2	2	2	2	171	36	79	993	0.00
	22:15	3	3	1	3	3	2	3	2	176	36	77	993	0.00
	22:30	2	3	1	3	3	2	3	2	181	37	76	993	0.00
	22:45	2	2	1	2	2	2	3	2	176	37	75	993	0.00
	23:00	2	2	1	2	2	2	2	3	177	37	77	993	0.00
	23:15	3	3	1	3	3	2	3	2	173	36	78	993	0.00
	23:30	3	3	1	3	3	3	3	2	156	36	80	993	0.00
	23:45	4	4	1	3	3	3	4	2	155	36	80	993	0.00
	00:00	3	3	1	3	3	3	4	2	169	36	79	993	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
12/27/2023	00:15	2	2	1	3	2	3	3	2	165	36	79	993	0.00
	00:30	1	2	1	3	2	2	3	2	161	36	79	993	0.00
	00:45	2	3	1	3	3	2	3	2	179	37	79	993	0.00
	01:00	1	3	1	3	2	3	3	2	175	37	79	993	0.00
	01:15	1	3	1	3	2	2	3	2	172	37	79	993	0.00
	01:30	2	3	1	3	3	3	3	3	165	36	79	993	0.00
	01:45	2	2	1	3	2	2	3	3	164	36	80	993	0.00
	02:00	2	3	1	3	2	2	3	3	163	36	80	993	0.00
	02:15	2	3	1	3	3	3	3	3	159	36	81	993	0.00
	02:30	2	3	1	3	3	3	3	3	161	36	81	993	0.00
	02:45	2	3	1	3	3	3	3	3	162	36	82	993	0.00
	03:00	2	3	1	3	3	3	4	3	160	36	82	993	0.00
	03:15	2	3	1	3	3	3	4	3	170	36	82	993	0.00
	03:30	2	3	1	3	3	3	3	3	179	37	81	992	0.00
	03:45	2	3	1	3	3	3	3	3	142	37	79	992	0.00
	04:00	2	3	1	3	3	3	3	4	145	38	78	992	0.00
	04:15	1	2	1	2	2	2	3	4	151	39	76	992	0.00
	04:30	1	2	1	2	2	2	2	4	171	40	76	992	0.00
	04:45	1	2	1	2	2	2	2	4	158	40	81	992	0.01
	05:00	1	2	0	3	2	2	2	5	146	40	83	992	0.00
	05:15	1	2	1	4	2	2	3	4	144	40	85	992	0.00
	05:30	1	2	0	4	2	2	3	4	152	40	84	992	0.00
	05:45	1	2	1	3	2	2	2	4	150	40	85	992	0.00
	06:00	1	2	1	3	2	2	2	4	137	40	85	991	0.00
	06:15	2	3	1	5	3	3	4	5	129	38	84	991	0.00
	06:30	3	4	1	4	4	4	5	5	120	37	85	991	0.00
	06:45	3	4	1	4	4	4	4	6	119	37	85	991	0.00
	07:00	2	3	1	3	3	3	4	5	127	37	84	991	0.00
	07:15	2	4	1	3	3	4	4	5	115	37	85	991	0.00
	07:30	2	3	1	3	3	3	4	5	122	37	85	991	0.00
	07:45	2	3	1	3	3	4	4	6	118	37	85	991	0.00
	08:00	1	2	0	2	3	3	4	5	124	37	87	991	0.00
	08:15	2	3	1	4	2	2	3	6	132	37	85	991	0.00
	08:30	2	3	1	4	4	3	4	6	125	37	84	991	0.01
	08:45	2	4	2	4	4	3	5	6	110	37	84	991	0.00
	09:00	3	4	2	4	5	3	5	5	129	37	83	991	0.00
	09:15	3	4	2	4	5	4	5	6	107	38	83	991	0.00
	09:30	2	4	2	4	5	3	5	7	112	38	83	991	0.00
	09:45	2	4	2	4	4	3	5	7	116	38	83	991	0.00
	10:00	2	4	2	4	4	4	5	6	129	38	84	991	0.00
	10:15	2	4	2	4	4	3	5	6	117	38	84	991	0.00
	10:30	2	4	1	4	4	3	5	5	118	39	82	991	0.00
	10:45	2	3	1	4	4	3	4	6	118	39	81	991	0.00
	11:00	1	3	1	5	4	3	4	6	119	40	80	990	0.00
	11:15	1	3	1	5	4	3	4	8	117	41	79	990	0.00
	11:30	2	3	1	5	3	3	4	6	130	42	75	990	0.00
	11:45	2	3	1	5	4	3	4	7	123	42	76	990	0.00
	12:00	1	3	1	5	4	3	4	5	131	42	75	990	0.00
	12:15	2	3	1	5	3	3	4	6	134	43	74	989	0.00
	12:30	1	3	1	4	4	3	4	6	128	43	72	989	0.00
	12:45	1	2	1	3	3	3	3	6	128	43	71	989	0.00
	13:00	1	2	1	5	2	2	3	5	126	44	72	989	0.00
	13:15	1	2	1	3	3	2	3	5	137	44	71	989	0.00
	13:30	1	2	1	4	3	2	3	6	110	44	71	988	0.00
	13:45	1	2	1	4	3	2	3	6	112	44	71	988	0.00
	14:00	3	4	2	7	4	3	5	6	115	44	72	988	0.00
	14:15	5	7	3	8	8	7	9	7	111	43	72	988	0.00
	14:30	3	4	2	5	5	5	6	7	105	43	74	988	0.00
	14:45	2	3	1	5	4	4	4	7	100	43	74	988	0.00
	15:00	1	2	1	5	3	2	4	6	110	43	75	988	0.00
	15:15	2	3	1	5	4	3	5	7	104	43	72	988	0.00
	15:30	1	2	1	4	3	3	4	7	97	42	77	988	0.00
	15:45	1	3	1	5	4	3	4	7	99	42	77	989	0.00
	16:00	1	3	1	5	4	3	4	5	98	42	79	989	0.00
	16:15	2	3	1	4	3	3	4	5	96	42	81	989	0.00
	16:30	2	4	2	4	4	3	5	6	85	41	84	989	0.00
	16:45	2	4	2	5	4	4	6	7	89	41	87	989	0.00
	17:00	3	4	2	5	4	4	6	6	77	41	86	989	0.00
	17:15	2	4	2	4	4	3	5	6	88	41	84	989	0.00
	17:30	1	3	1	4	3	3	4	5	98	41	84	989	0.01
	17:45	1	3	1	4	3	3	4	6	90	40	86	989	0.00
	18:00	2	3	1	5	3	3	4	6	89	40	88	989	0.01
	18:15	2	4	2	5	4	3	5	6	83	39	88	990	0.01
	18:30	2	4	1	5	4	3	5	8	77	39	89	990	0.01
	18:45	1	3	1	4	3	2	4	8	75	39	88	990	0.00
	19:00	0	2	1	4	2	1	3	8	82	39	88	990	0.00
	19:15	0	2	1	4	2	1	2	8	82	39	88	990	0.00
	19:30	0	1	0	3	2	1	2	8	85	39	88	990	0.01
	19:45	0	1	0	3	2	1	2	8	83	39	88	990	0.00
	20:00	0	1	0	3	1	0	2	8	92	39	87	990	0.00
	20:15	0	1	0	3	1	1	2	7	89	39	88	990	0.00
	20:30	0	1	0	3	2	1	2	7	84	39	88	990	0.00
	20:45	0	2	1	4	2	1	3	7	73	39	88	990	0.00
	21:00	0	2	1	4	3	2	3	5	76	39	88	990	0.00
	21:15	1	2	1	4	3	2	3	4	112	39	90	990	0.01
	21:30	0	2	1	3	2	2	3	4	98	39	89	990	0.01
	21:45	1	2	1	4	3	2	3	5	85	39	89	990	0.00
	22:00	2	3	2	5	4	3	5	3	89	39	91	990	0.01
	22:15	5	7	3	8	7	6	9	3	68	39	92	990	0.00
	22:30	7	9	4	10	10	8	11	4	46	39	94	990	0.01
	22:45	9	11	5	12	11	9	12	3	44	39	94	990	0.00
	23:00	10	13	6	14	14	11	15	3	40	39	94	990	0.00
	23:15	12	14	6	14	14	12	16	3	38	39	94	990	0.00
	23:30	10	13	5	12	13	11	15	3	41	38	94	990	0.00
	23:45	10	11	5	12	11	10	13	3	40	38	93	989	0.00
	00:00	8	11	4	12	11	9	12	3	42	38	92	989	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
12/28/2023	00:15	7	10	5	11	10	9	11	3	46	38	92	989	0.00
	00:30	5	11	4	11	10	9	11	5	44	38	91	989	0.00
	00:45	5	10	4	11	10	8	11	3	36	38	91	989	0.00
	01:00	6	10	4	11	9	9	11	3	36	38	92	989	0.00
	01:15	5	11	4	11	10	8	11	3	31	38	91	989	0.00
	01:30	6	10	4	10	10	9	11	3	39	38	91	989	0.00
	01:45	5	9	4	10	9	8	10	3	33	38	91	989	0.00
	02:00	4	9	4	10	8	7	9	3	36	38	92	989	0.00
	02:15	8	16	8	17	13	11	13	3	27	38	92	990	0.00
	02:30	5	16	8	18	15	11	13	3	31	38	92	990	0.00
	02:45	8	15	7	15	13	11	13	3	23	38	92	990	0.00
	03:00	6	11	5	12	11	10	12	3	22	38	91	990	0.00
	03:15	6	11	5	12	12	9	12	4	22	38	91	989	0.00
	03:30	16	20	9	22	21	16	20	4	17	38	92	990	0.00
	03:45	18	23	11	24	21	21	25	3	6	37	92	990	0.00
	04:00	15	21	11	21	22	18	22	3	5	37	92	990	0.00
	04:15	15	19	9	20	19	18	21	3	0	37	92	990	0.00
	04:30	12	18	8	18	17	16	19	3	0	37	92	990	0.00
	04:45	12	17	8	17	16	14	17	2	7	37	92	990	0.00
	05:00	11	17	7	17	16	15	17	3	4	37	92	990	0.00
	05:15	9	14	6	14	14	13	16	3	344	37	91	990	0.00
	05:30	8	13	5	13	13	11	14	2	343	36	89	990	0.00
	05:45	9	13	6	12	12	12	14	3	343	36	89	990	0.00
	06:00	8	13	6	11	12	11	13	3	351	35	88	990	0.00
	06:15	6	12	5	10	11	10	12	2	336	35	88	990	0.00
	06:30	5	11	5	9	11	9	11	3	330	35	89	990	0.00
	06:45	6	10	4	9	10	9	10	3	331	35	89	990	0.00
	07:00	5	10	4	9	10	9	10	3	347	35	90	990	0.00
	07:15	5	11	4	9	10	9	11	3	346	35	90	990	0.00
	07:30	5	10	4	9	9	8	10	3	347	35	88	990	0.00
	07:45	2	6	3	8	9	8	9	3	341	35	87	990	0.00
	08:00	7	11	4	9	7	10	11	3	343	35	87	990	0.00
	08:15	7	11	5	12	11	6	6	3	331	35	86	990	0.00
	08:30	8	12	5	13	12	11	12	3	320	35	85	990	0.00
	08:45	6	10	5	11	9	9	10	3	315	35	84	990	0.00
	09:00	4	9	4	10	9	7	9	3	313	35	85	991	0.00
	09:15	5	9	4	10	9	8	9	3	291	35	86	991	0.00
	09:30	6	10	4	10	9	8	10	2	306	35	84	991	0.00
	09:45	5	9	4	10	9	8	9	3	304	35	84	991	0.00
	10:00	5	9	4	10	9	9	10	2	270	36	83	991	0.00
	10:15	5	10	4	10	9	8	10	2	294	36	84	991	0.00
	10:30	7	10	5	11	10	9	11	3	323	36	84	991	0.00
	10:45	9	12	5	12	13	11	13	2	235	37	83	991	0.00
	11:00	9	15	7	14	14	12	14	3	233	37	84	991	0.00
	11:15	11	16	7	16	15	14	16	3	258	37	85	991	0.00
	11:30	11	16	7	17	15	15	17	3	237	37	85	990	0.00
	11:45	9	13	6	13	12	12	13	3	251	37	85	990	0.00
	12:00	6	11	5	10	10	9	11	2	227	37	85	990	0.00
	12:15	4	9	4	9	9	8	9	3	267	36	86	990	0.00
	12:30	4	8	4	8	8	8	8	2	239	37	85	990	0.00
	12:45	3	8	3	8	8	7	8	3	244	37	86	990	0.00
	13:00	4	7	3	7	7	7	7	2	227	37	85	989	0.00
	13:15	2	7	3	7	6	6	7	3	227	37	85	989	0.00
	13:30	3	7	3	8	7	6	8	3	230	37	87	989	0.00
	13:45	3	7	3	8	7	6	8	2	214	37	87	989	0.00
	14:00	4	8	3	8	8	7	8	3	215	37	89	989	0.00
	14:15	3	7	3	7	7	6	6	3	221	37	88	989	0.00
	14:30	0	4	1	4	4	4	4	3	231	37	88	989	0.00
	14:45	0	4	2	5	4	4	4	3	221	37	90	989	0.00
	15:00	0	4	2	5	4	4	4	2	236	36	91	989	0.01
	15:15	1	5	2	6	4	4	4	3	231	36	93	989	0.00
	15:30	1	5	2	6	4	4	5	3	214	36	93	989	0.00
	15:45	1	5	2	6	5	4	5	3	233	35	93	990	0.00
	16:00	1	5	2	6	5	5	5	3	244	35	93	990	0.00
	16:15	1	5	2	6	4	4	5	3	232	35	94	990	0.00
	16:30	1	5	2	6	5	4	5	3	235	35	95	989	0.00
	16:45	0	5	2	5	4	4	5	3	232	35	95	989	0.00
	17:00	1	5	2	5	4	4	5	3	233	35	94	989	0.00
	17:15	0	4	2	5	4	4	5	3	227	35	94	990	0.00
	17:30	0	4	1	4	3	3	4	3	223	35	93	990	0.00
	17:45	0	3	1	3	3	2	2	3	222	35	92	990	0.00
	18:00	0	2	0	2	1	1	1	3	231	35	92	990	0.00
	18:15	0	1	0	2	1	1	1	3	245	35	92	990	0.00
	18:30	0	1	0	2	1	1	1	2	240	35	92	990	0.00
	18:45	0	2	0	2	2	1	1	2	227	35	92	990	0.00
	19:00	0	2	1	2	2	2	2	3	237	35	92	990	0.00
	19:15	0	3	1	3	2	2	2	3	237	34	92	990	0.00
	19:30	0	3	1	4	3	2	3	3	229	34	92	989	0.00
	19:45	2	4	2	5	5	4	5	2	228	34	92	989	0.00
	20:00	1	5	2	6	5	4	5	2	246	34	92	989	0.00
	20:15	2	6	2	7	6	5	6	3	235	34	94	989	0.00
	20:30	4	8	3	8	7	6	8	3	231	33	96	989	0.00
	20:45	4	9	3	8	7	6	8	2	216	33	97	989	0.00
	21:00	4	8	3	8	7	6	8	3	226	33	97	989	0.00
	21:15	4	8	3	9	7	6	8	3	216	33	97	989	0.00
	21:30	3	8	3	8	7	6	7	3	214	33	97	989	0.00
	21:45	2	6	3	6	5	5	6	3	217	33	97	989	0.00
	22:00	2	6	2	6	5	5	6	2	222	33	97	989	0.00
	22:15	2	6	3	7	6	5	6	2	201	33	97	989	0.00
	22:30	2	6	2	7	5	5	6	2	233	33	97	988	0.00
	22:45	1	6	3	6	5	5	6	2	224	33	97	988	0.00
	23:00	1	5	2	6	5	4	6	2	233	33	97	988	0.00
	23:15	1	5	2	5	5	4	5	3	214	33	98	988	0.00
	23:30	1	5	2	5	5	4	5	3	209	33	98	988	0.00
	23:45	0	5	2	5	4	3	4	3	234	33	98	988	0.00
	00:00	0	4	2	5	4	4	5	3	238	32	98	988	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	2	4	2	4	4	4	4	3	242	32	98	988	0.00
	00:30	2	4	2	4	4	4	4	3	243	32	98	987	0.00
	00:45	2	3	1	3	4	3	4	2	244	32	98	987	0.00
	01:00	2	3	1	3	4	3	4	2	224	32	98	987	0.00
	01:15	2	3	1	3	3	3	4	2	219	32	98	987	0.00
	01:30	2	3	1	3	3	3	4	2	220	33	98	987	0.00
	01:45	1	3	1	3	3	3	4	2	221	33	98	987	0.00
	02:00	1	3	1	3	3	3	3	2	235	33	98	987	0.00
	02:15	2	3	1	3	3	3	3	2	235	33	98	987	0.00
	02:30	2	3	1	3	3	3	4	2	244	33	98	987	0.00
	02:45	2	3	1	3	4	3	4	1	240	33	98	987	0.00
	03:00	2	3	1	3	Offline	3	3	2	235	33	98	987	0.00
	03:15	1	3	1	3	Offline	3	4	2	218	33	98	987	0.00
	03:30	2	3	1	3	Offline	3	4	2	212	33	98	987	0.00
	03:45	2	3	1	4	Offline	3	4	2	222	33	98	987	0.00
	04:00	3	Offline	2	4	Offline	4	4	2	224	33	98	987	0.00
	04:15	2	Offline	2	4	Offline	4	4	2	214	33	98	987	0.00
	04:30	3	Offline	2	4	Offline	4	5	2	220	33	98	987	0.00
	04:45	2	Offline	2	4	Offline	4	5	2	228	33	98	987	0.00
	05:00	3	Offline	2	4	Offline	4	5	2	222	33	98	987	0.00
	05:15	3	Offline	2	4	Offline	4	5	2	215	33	98	987	0.00
	05:30	3	Offline	2	4	Offline	4	5	2	230	33	98	987	0.00
	05:45	3	Offline	2	4	Offline	4	5	2	231	33	98	987	0.00
	06:00	2	Offline	2	4	Offline	4	5	2	225	33	98	987	0.00
	06:15	2	1	2	4	Offline	4	4	2	224	33	98	987	0.00
	06:30	2	5	1	4	Offline	3	4	2	220	33	98	987	0.00
	06:45	2	4	2	4	Offline	3	4	2	233	33	97	988	0.00
	07:00	2	Offline	2	4	Offline	4	4	2	245	33	97	988	0.00
	07:15	3	Offline	2	4	Offline	4	4	2	226	33	98	988	0.00
	07:30	3	Offline	2	4	Offline	4	5	2	230	33	98	988	0.00
	07:45	3	Offline	2	4	Offline	Offline	5	2	220	33	98	988	0.00
	08:00	3	Offline	2	4	Offline	Offline	5	2	222	33	98	988	0.00
	08:15	2	Offline	2	4	Offline	Offline	4	2	235	33	98	988	0.00
	08:30	2	3	1	4	Offline	Offline	4	2	254	33	98	988	0.00
	08:45	2	3	1	3	Offline	Offline	4	2	248	33	98	989	0.01
	09:00	2	2	1	3	3	Offline	3	2	239	34	98	989	0.00
	09:15	2	2	1	3	3	2	3	2	245	34	98	989	0.00
	09:30	1	2	1	3	3	2	3	2	230	34	98	989	0.00
	09:45	0	1	1	3	2	2	3	2	279	34	97	989	0.00
	10:00	0	1	1	3	2	2	2	2	271	35	97	989	0.00
	10:15	0	1	0	2	2	2	2	3	283	35	96	989	0.00
	10:30	0	2	0	3	1	1	2	2	288	35	96	989	0.00
	10:45	1	2	0	3	2	2	2	3	303	35	96	990	0.03
	11:00	1	2	1	3	2	2	2	3	323	36	95	989	0.05
	11:15	1	2	1	3	2	2	3	3	301	36	95	989	0.03
	11:30	1	3	1	3	3	2	3	3	307	36	95	989	0.03
	11:45	2	3	1	4	3	3	4	2	304	36	95	989	0.01
12/29/2023	12:00	2	4	1	4	3	3	4	2	286	36	95	989	0.01
	12:15	2	4	1	4	4	3	4	3	303	36	96	989	0.00
	12:30	2	4	1	5	4	3	4	3	301	36	96	989	0.00
	12:45	2	4	1	4	4	3	4	3	315	37	95	989	0.00
	13:00	2	4	1	4	3	3	4	3	307	37	95	989	0.00
	13:15	1	3	1	4	3	3	4	2	300	37	95	989	0.00
	13:30	2	4	1	5	4	3	4	3	291	37	95	989	0.00
	13:45	2	4	1	5	4	4	5	3	291	37	95	989	0.00
	14:00	2	4	1	4	4	3	4	2	279	37	95	990	0.00
	14:15	2	4	1	4	4	3	4	2	294	37	95	990	0.00
	14:30	2	4	1	5	3	3	4	3	293	37	94	990	0.00
	14:45	3	4	1	5	4	4	5	2	260	37	95	990	0.00
	15:00	2	4	1	5	4	4	5	2	269	37	95	990	0.00
	15:15	2	4	1	4	3	3	4	2	261	37	95	990	0.00
	15:30	2	4	1	5	4	4	5	2	261	37	95	990	0.00
	15:45	3	4	2	5	4	4	5	3	261	37	95	990	0.00
	16:00	3	4	2	6	5	4	5	2	267	37	95	991	0.00
	16:15	3	6	2	7	Offline	4	5	2	247	37	95	991	0.00
	16:30	4	5	2	6	Offline	5	6	2	248	37	95	991	0.00
	16:45	4	5	2	6	Offline	5	6	2	224	37	95	991	0.00
	17:00	4	6	2	7	Offline	5	6	3	218	37	95	991	0.00
	17:15	7	Offline	3	9	Offline	Offline	9	3	226	37	96	991	0.00
	17:30	6	Offline	4	10	Offline	Offline	10	3	226	37	95	991	0.00
	17:45	8	Offline	4	9	Offline	Offline	10	2	228	37	95	992	0.00
	18:00	6	Offline	3	9	Offline	Offline	9	2	212	37	95	992	0.00
	18:15	7	Offline	3	10	Offline	Offline	10	3	222	37	95	992	0.00
	18:30	7	Offline	3	9	Offline	Offline	9	3	228	37	95	992	0.00
	18:45	7	Offline	4	10	Offline	Offline	11	3	218	37	95	992	0.00
	19:00	8	Offline	4	11	Offline	Offline	11	3	215	37	95	992	0.00
	19:15	11	Offline	5	13	Offline	Offline	13	3	223	36	95	992	0.00
	19:30	9	Offline	4	11	Offline	Offline	12	3	229	36	94	992	0.00
	19:45	8	Offline	5	11	Offline	Offline	12	3	230	36	94	992	0.00
	20:00	9	Offline	5	10	Offline	Offline	11	3	224	35	94	992	0.00
	20:15	8	Offline	4	10	Offline	Offline	11	3	219	35	95	992	0.00
	20:30	8	Offline	4	10	Offline	Offline	12	3	222	35	95	992	0.00
	20:45	7	Offline	4	8	Offline	Offline	10	3	225	35	94	993	0.00
	21:00	6	Offline	3	7	Offline	Offline	9	3	218	35	94	993	0.00
	21:15	7	Offline	4	8	Offline	Offline	10	3	228	35	94	993	0.00
	21:30	8	Offline	4	9	Offline	Offline	10	3	223	35	94	993	0.00
	21:45	9	Offline	4	9	Offline	Offline	11	3	221	35	94	992	0.00
	22:00	11	Offline	6	12	Offline	Offline	14	3	227	34	95	992	0.00
	22:15	11	Offline	6	13	Offline	Offline	16	3	228	35	94	992	0.00
	22:30	14	Offline	6	14	Offline	Offline	17	3	230	35	94	992	0.00
	22:45	13	Offline	7	15	Offline	Offline	17	2	232	35	95	992	0.00
	23:00	14	Offline	8	16	Offline	Offline	18	3	228	35	95	992	0.00
	23:15	16	Offline	7	17	Offline	Offline	20	2	230	35	95	992	0.00
	23:30	14	Offline	8	15	Offline	Offline	19	2	232	35	94	992	0.00
	23:45	12	Offline	7	13	Offline	Offline	16	3	239	35	93	992	0.00
	00:00	13	Offline	6	13	Offline	Offline	15	2	248	34	91	992	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	9	Offline	5	12	Offline	Offline	14	2	251	34	91	992	0.00
	00:30	11	Offline	6	12	Offline	Offline	13	3	247	34	90	992	0.00
	00:45	12	Offline	6	13	Offline	Offline	14	3	243	34	90	992	0.00
	01:00	10	Offline	6	13	Offline	Offline	14	3	245	34	90	992	0.00
	01:15	11	Offline	6	13	Offline	Offline	14	2	227	34	90	992	0.00
	01:30	10	Offline	5	12	Offline	Offline	13	2	225	34	90	992	0.00
	01:45	11	Offline	6	13	Offline	Offline	14	2	242	34	90	992	0.00
	02:00	11	Offline	7	14	Offline	Offline	15	2	242	35	91	993	0.00
	02:15	12	Offline	7	13	Offline	Offline	14	2	243	35	90	993	0.00
	02:30	12	Offline	6	13	Offline	Offline	15	2	235	35	90	993	0.00
	02:45	10	Offline	6	13	Offline	Offline	14	2	234	35	90	993	0.00
	03:00	10	Offline	6	12	Offline	Offline	14	2	236	35	90	992	0.00
	03:15	11	Offline	6	12	Offline	Offline	13	2	226	35	90	992	0.00
	03:30	10	Offline	6	12	Offline	Offline	13	2	229	35	91	992	0.00
	03:45	10	Offline	6	12	Offline	Offline	13	2	234	35	92	992	0.00
	04:00	9	Offline	5	12	Offline	Offline	13	2	237	34	92	992	0.00
	04:15	10	Offline	5	12	Offline	Offline	13	2	224	34	93	992	0.00
	04:30	12	Offline	6	13	Offline	Offline	14	2	231	34	94	992	0.00
	04:45	12	Offline	6	13	Offline	Offline	15	2	230	33	96	992	0.00
	05:00	10	Offline	6	13	Offline	Offline	15	2	216	32	96	992	0.00
	05:15	11	Offline	5	13	Offline	Offline	13	2	223	31	97	992	0.00
	05:30	12	Offline	6	12	Offline	Offline	13	2	225	30	98	992	0.00
	05:45	10	Offline	6	13	Offline	Offline	13	2	216	30	98	992	0.00
	06:00	11	Offline	6	13	Offline	Offline	13	2	228	30	98	992	0.00
	06:15	11	Offline	6	12	Offline	Offline	13	2	218	29	98	992	0.00
	06:30	10	Offline	6	12	Offline	Offline	14	1	227	29	99	992	0.00
	06:45	11	Offline	6	14	Offline	Offline	14	2	228	29	99	992	0.00
	07:00	12	Offline	7	16	Offline	Offline	14	1	229	29	99	992	0.00
	07:15	12	Offline	7	15	Offline	Offline	14	1	222	28	99	992	0.00
	07:30	11	Offline	6	14	Offline	Offline	13	1	218	28	99	992	0.00
	07:45	12	13	6	13	Offline	Offline	14	2	223	28	100	992	0.00
	08:00	11	15	6	13	Offline	Offline	14	2	213	30	99	992	0.00
	08:15	13	13	6	14	11	Offline	15	3	218	31	99	992	0.00
	08:30	11	12	7	14	16	11	16	3	222	31	98	992	0.00
	08:45	12	13	7	13	15	15	15	3	223	32	96	992	0.00
	09:00	11	14	7	14	14	13	14	3	203	33	95	993	0.00
	09:15	12	13	7	14	14	12	13	4	208	34	91	993	0.00
	09:30	13	13	7	14	13	13	14	4	211	34	89	993	0.00
	09:45	13	13	7	13	12	11	13	4	209	35	88	993	0.00
	10:00	13	13	6	13	12	10	13	4	222	36	85	993	0.00
	10:15	11	11	6	13	12	11	13	4	229	37	85	993	0.00
	10:30	12	12	7	12	12	11	13	4	227	38	84	993	0.00
	10:45	11	10	6	12	11	11	12	4	211	39	80	993	0.00
	11:00	12	12	6	14	11	12	12	4	215	39	80	992	0.00
	11:15	11	11	6	14	12	12	14	4	212	40	80	992	0.00
	11:30	10	12	6	15	12	14	14	4	205	41	78	992	0.00
	11:45	11	12	6	15	13	12	13	5	221	41	77	992	0.00
12/30/2023	12:00	10	11	6	13	12	13	13	5	217	42	75	992	0.00
	12:15	9	10	5	12	12	12	12	6	223	42	75	991	0.00
	12:30	9	10	5	12	11	12	12	6	213	43	74	991	0.00
	12:45	8	9	5	11	11	12	12	6	218	43	72	991	0.00
	13:00	8	9	5	11	11	12	12	5	206	44	72	991	0.00
	13:15	9	9	5	11	12	13	12	5	222	45	71	990	0.00
	13:30	8	9	5	11	11	11	11	5	221	45	72	990	0.00
	13:45	8	9	5	11	10	11	11	5	208	45	70	990	0.00
	14:00	8	9	5	12	11	11	12	6	217	45	72	990	0.00
	14:15	8	9	5	12	11	10	10	5	213	46	69	990	0.00
	14:30	7	8	4	12	10	11	11	5	210	46	68	990	0.00
	14:45	8	8	4	12	11	10	10	6	209	46	68	990	0.00
	15:00	9	10	5	12	12	10	11	5	210	46	69	990	0.00
	15:15	11	12	6	13	14	13	13	6	210	45	70	990	0.00
	15:30	11	12	5	13	13	11	12	5	211	45	71	990	0.00
	15:45	12	12	6	14	12	11	12	6	218	45	72	990	0.00
	16:00	14	14	7	16	14	11	12	6	201	44	74	991	0.00
	16:15	14	12	6	15	12	12	12	5	208	43	77	991	0.00
	16:30	11	12	6	14	12	12	13	5	218	42	77	991	0.00
	16:45	11	12	6	14	12	12	13	4	214	42	79	991	0.00
	17:00	12	12	6	15	12	12	13	4	208	41	81	991	0.00
	17:15	11	12	6	14	12	12	13	3	219	40	83	991	0.00
	17:30	9	11	5	13	11	12	13	4	213	40	82	991	0.00
	17:45	10	11	6	13	12	11	12	3	214	40	83	991	0.00
	18:00	11	12	5	13	12	11	13	3	214	39	84	991	0.00
	18:15	11	12	5	13	13	12	13	3	212	38	86	991	0.00
	18:30	10	12	6	13	12	13	13	3	219	38	85	991	0.00
	18:45	10	12	6	13	12	11	13	3	216	38	87	991	0.00
	19:00	11	12	5	13	12	12	13	3	217	38	86	991	0.00
	19:15	11	12	5	13	12	11	13	3	211	38	86	991	0.00
	19:30	10	12	5	13	12	12	13	3	200	38	87	991	0.00
	19:45	10	12	5	13	12	12	13	3	205	38	86	991	0.00
	20:00	12	12	6	13	12	12	14	3	215	38	89	991	0.00
	20:15	11	12	5	13	12	12	13	3	212	37	91	991	0.00
	20:30	12	12	5	14	13	13	14	3	212	37	90	991	0.00
	20:45	12	13	6	12	13	13	14	3	204	36	90	991	0.00
	21:00	11	12	5	13	12	13	14	2	209	36	92	991	0.00
	21:15	12	12	5	12	13	12	14	2	222	35	93	991	0.00
	21:30	12	12	5	12	13	12	14	2	216	34	94	991	0.00
	21:45	10	12	5	13	14	13	14	2	215	34	95	991	0.00
	22:00	11	11	6	13	14	13	14	2	215	34	96	991	0.00
	22:15	10	11	6	13	13	12	13	2	200	33	96	991	0.00
	22:30	10	11	6	13	13	13	13	2	205	33	96	991	0.00
	22:45	9	11	5	12	13	11	13	2	215	32	97	991	0.00
	23:00	10	11	5	12	13	11	12	2	213	32	97	991	0.00
	23:15	10	11	5	12	14	12	13	2	206	32	98	991	0.00
	23:30	9	11	6	12	14	11	12	2	208	32	98	991	0.00
	23:45	8	10	5	12	13	10	11	2	207	32	98	991	0.00
	00:00	9	10	5	11	12	11	11	2	211	32	98	991	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
12/31/2023	00:15	7	11	5	11	10	9	11	2	219	31	99	991	0.00
	00:30	6	11	5	10	11	10	11	2	208	32	98	991	0.00
	00:45	6	11	4	11	11	10	11	2	201	31	98	991	0.00
	01:00	6	10	4	10	10	9	10	2	199	32	99	991	0.00
	01:15	5	9	4	9	9	9	9	2	194	32	99	991	0.00
	01:30	5	9	4	9	9	8	9	1	179	33	99	991	0.00
	01:45	5	10	4	9	9	8	9	1	190	33	99	991	0.00
	02:00	6	10	4	10	10	11	12	2	205	33	99	991	0.00
	02:15	6	10	4	10	10	10	11	1	199	33	99	991	0.00
	02:30	6	10	5	10	11	10	11	1	175	33	98	991	0.00
	02:45	6	11	4	10	10	10	12	1	180	32	98	991	0.00
	03:00	6	10	4	10	10	9	10	1	205	32	99	991	0.00
	03:15	5	9	4	10	9	9	10	2	198	32	99	991	0.00
	03:30	5	10	4	9	10	8	10	3	209	34	99	991	0.00
	03:45	7	11	5	11	10	10	11	3	224	34	97	991	0.00
	04:00	8	13	6	14	13	11	13	2	269	35	95	991	0.00
	04:15	10	15	7	16	15	13	15	2	289	35	93	991	0.00
	04:30	13	17	7	17	16	15	17	3	262	34	91	991	0.00
	04:45	11	15	7	15	15	12	16	3	280	34	88	991	0.00
	05:00	8	13	6	13	13	12	14	3	282	34	87	992	0.00
	05:15	8	13	6	13	12	11	13	2	266	34	88	992	0.00
	05:30	8	12	5	12	12	10	12	2	257	33	88	992	0.00
	05:45	5	10	4	9	9	9	10	3	248	33	85	992	0.00
	06:00	1	6	2	5	6	5	5	3	251	33	79	992	0.00
	06:15	0	3	1	3	3	3	2	3	278	33	75	993	0.00
	06:30	0	3	1	3	3	2	2	3	269	32	79	993	0.00
	06:45	0	3	1	3	2	2	2	3	242	32	78	993	0.00
	07:00	0	3	1	3	3	2	2	3	245	32	77	993	0.00
	07:15	0	3	1	3	3	2	2	2	245	32	77	993	0.00
	07:30	0	3	1	4	2	2	2	2	252	32	78	994	0.00
	07:45	0	3	1	4	3	2	2	3	238	32	79	994	0.00
	08:00	0	3	1	3	3	3	2	3	252	32	81	994	0.00
	08:15	0	3	1	3	3	2	2	3	242	32	84	994	0.00
	08:30	0	3	1	3	3	2	2	3	244	32	84	994	0.00
	08:45	0	3	1	3	3	3	3	3	247	32	84	994	0.00
	09:00	0	4	1	3	3	3	3	2	250	32	85	994	0.00
	09:15	1	4	2	5	4	4	4	3	262	31	83	994	0.00
	09:30	1	5	2	5	5	4	4	3	253	31	82	995	0.00
	09:45	1	5	2	5	5	4	4	3	248	32	81	995	0.00
	10:00	1	5	2	5	5	4	4	2	241	32	80	995	0.00
	10:15	2	6	2	6	6	5	5	3	242	33	79	995	0.00
	10:30	1	6	2	5	5	5	5	2	235	33	78	995	0.00
	10:45	1	6	3	6	5	5	5	3	244	33	77	995	0.00
	11:00	2	6	2	6	5	5	5	3	245	33	78	995	0.00
	11:15	2	6	2	5	6	5	5	2	240	33	79	995	0.00
	11:30	1	6	2	6	5	4	5	3	239	33	79	995	0.00
	11:45	3	7	3	7	7	8	7	3	241	33	78	995	0.00
	12:00	3	7	3	6	7	6	6	3	244	33	79	995	0.00
	12:15	2	7	2	7	6	6	6	3	239	33	79	995	0.00
	12:30	1	5	2	5	5	5	5	3	234	33	80	995	0.00
	12:45	1	6	2	5	5	5	5	3	232	33	81	995	0.00
	13:00	2	5	2	5	5	5	5	3	235	33	79	995	0.00
	13:15	0	4	2	4	4	4	4	2	234	33	80	995	0.00
	13:30	0	5	2	4	4	4	4	3	230	33	79	995	0.00
	13:45	1	5	2	5	4	4	4	3	231	33	81	996	0.00
	14:00	1	4	2	4	4	4	4	2	229	33	82	996	0.00
	14:15	0	4	2	4	3	3	3	3	241	33	82	996	0.00
	14:30	0	4	2	4	4	3	3	3	244	33	84	996	0.00
	14:45	0	4	1	4	3	3	3	3	242	33	86	996	0.00
	15:00	0	3	1	3	3	3	3	3	243	32	87	996	0.00
	15:15	0	4	1	3	3	3	3	2	244	32	88	996	0.00
	15:30	0	4	1	4	3	3	3	3	254	32	89	996	0.00
	15:45	0	4	1	4	4	4	4	3	243	33	88	997	0.00
	16:00	1	4	2	4	4	4	4	3	243	33	87	997	0.00
	16:15	0	4	2	4	4	4	4	3	239	33	87	997	0.00
	16:30	0	5	2	4	4	4	4	2	232	33	86	997	0.00
	16:45	0	4	2	4	3	4	4	2	228	33	86	997	0.00
	17:00	0	4	1	4	4	3	3	3	230	33	86	997	0.00
	17:15	0	5	2	4	4	3	3	2	225	33	87	998	0.00
	17:30	0	5	2	5	4	4	4	3	234	33	87	998	0.00
	17:45	0	4	1	4	4	4	4	2	235	33	87	998	0.00
	18:00	0	4	1	4	3	3	3	2	248	33	87	998	0.00
	18:15	0	4	1	4	3	3	3	2	243	33	88	998	0.00
	18:30	0	3	1	4	3	4	4	2	244	33	88	999	0.00
	18:45	0	4	1	4	4	4	4	2	235	33	89	999	0.00
	19:00	0	4	1	4	4	3	4	2	245	33	89	999	0.00
	19:15	0	4	1	4	4	4	4	2	233	34	89	999	0.00
	19:30	0	4	1	4	3	3	3	2	240	34	89	999	0.00
	19:45	0	3	1	3	3	3	3	2	238	34	89	999	0.00
	20:00	0	3	1	4	3	3	3	2	233	34	88	999	0.00
	20:15	0	4	1	4	3	3	3	2	244	34	87	1000	0.00
	20:30	0	3	1	3	3	3	3	2	258	34	85	1000	0.00
	20:45	0	3	1	3	2	2	2	3	273	34	84	1000	0.00
	21:00	0	2	1	2	2	2	1	3	268	34	84	1000	0.00
	21:15	0	2	0	2	1	1	1	2	257	34	84	1000	0.00
	21:30	0	2	0	2	1	1	1	2	265	34	83	1000	0.00
	21:45	0	2	0	2	2	1	1	2	261	34	84	1000	0.00
	22:00	0	2	0	2	2	2	1	3	271	34	83	1000	0.00
	22:15	0	2	0	2	2	2	1	2	252	34	83	1000	0.00
	22:30	0	2	0	2	1	1	1	2	252	34	83	1000	0.00
	22:45	0	2	0	2	1	1	1	2	255	34	83	1001	0.00
	23:00	0	2	0	2	1	1	1	2	266	34	82	1001	0.00
	23:15	0	1	0	1	1	1	1	2	266	34	82	1001	0.00
	23:30	0	2	0	1	1	1	1	2	264	34	81	1001	0.00
	23:45	0	2	0	1	1	1	1	2	261	34	82	1001	0.00
	00:00	0	2	0	1	1	Offline	1	2	259	34	82	1001	0.00

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

Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	0	2	0	2	2	Offline	2	2	266	34	82	1001	0.00
	00:30	0	2	0	2	2	Offline	2	2	278	33	83	1001	0.00
	00:45	0	2	0	2	2	Offline	2	3	275	33	83	1001	0.00
	01:00	0	2	0	2	1	Offline	2	3	284	33	82	1001	0.00
	01:15	0	1	0	1	1	Offline	2	2	274	33	83	1002	0.00
	01:30	0	1	0	1	1	Offline	2	3	270	33	82	1002	0.00
	01:45	0	2	0	2	2	Offline	2	2	261	33	82	1002	0.00
	02:00	0	2	0	2	2	Offline	2	2	259	33	82	1002	0.00
	02:15	0	2	0	2	2	Offline	2	3	285	33	80	1002	0.00
	02:30	0	1	0	1	1	Offline	1	3	299	33	80	1002	0.00
	02:45	0	1	0	1	1	Offline	1	3	306	33	80	1002	0.00
	03:00	0	1	0	1	1	Offline	1	2	307	33	80	1002	0.00
	03:15	0	1	0	1	1	Offline	1	2	292	33	80	1002	0.00
	03:30	0	1	0	1	1	Offline	1	2	295	33	80	1003	0.00
	03:45	0	1	0	1	1	Offline	1	3	284	33	80	1003	0.00
	04:00	0	1	0	1	1	Offline	1	2	280	33	80	1003	0.00
	04:15	0	1	0	1	1	Offline	1	2	286	33	80	1003	0.00
	04:30	0	1	0	1	1	Offline	1	2	274	33	80	1003	0.00
	04:45	0	1	0	1	1	Offline	1	3	305	32	81	1003	0.00
	05:00	0	1	0	1	Offline	Offline	1	3	273	32	82	1003	0.00
	05:15	0	1	0	1	Offline	Offline	1	3	277	32	82	1003	0.00
	05:30	0	1	0	1	Offline	Offline	1	2	253	32	83	1003	0.00
	05:45	0	1	0	1	Offline	Offline	1	2	257	32	83	1003	0.00
	06:00	0	1	0	1	Offline	Offline	1	3	277	32	83	1004	0.00
	06:15	0	1	0	1	Offline	Offline	1	2	259	32	84	1004	0.00
	06:30	0	2	0	1	Offline	Offline	2	3	290	32	84	1004	0.00
	06:45	0	1	0	1	Offline	Offline	1	2	257	32	84	1004	0.00
	07:00	0	1	0	1	Offline	Offline	1	2	270	32	84	1004	0.00
	07:15	0	1	0	1	Offline	Offline	1	2	253	32	85	1004	0.00
	07:30	0	1	0	1	Offline	Offline	1	3	267	32	84	1004	0.00
	07:45	0	1	0	1	Offline	Offline	1	2	262	32	84	1005	0.00
	08:00	0	1	0	1	Offline	Offline	1	2	271	32	83	1005	0.00
	08:15	0	1	0	1	Offline	Offline	1	3	274	32	83	1005	0.00
	08:30	0	1	0	1	Offline	Offline	1	3	276	32	83	1005	0.00
	08:45	0	1	0	1	0	1	1	2	259	32	83	1005	0.00
	09:00	0	1	0	1	1	0	1	3	257	32	83	1006	0.00
	09:15	0	1	0	2	1	0	1	2	259	33	81	1006	0.00
	09:30	0	1	0	1	1	1	1	2	297	33	79	1006	0.00
	09:45	0	1	0	1	1	1	1	3	307	34	77	1006	0.00
	10:00	0	1	0	1	1	1	1	4	309	34	75	1006	0.00
	10:15	0	1	0	1	1	1	1	3	305	35	72	1007	0.00
	10:30	0	1	0	1	1	1	1	3	272	36	68	1007	0.00
	10:45	0	1	0	1	1	1	1	3	260	37	63	1007	0.00
	11:00	0	1	0	1	1	1	1	3	270	37	65	1007	0.00
	11:15	0	1	0	3	2	1	1	3	311	37	64	1007	0.00
	11:30	0	1	0	1	2	1	1	3	253	37	65	1006	0.00
	11:45	0	1	0	1	1	1	1	3	251	37	67	1006	0.00
1/1/2024	12:00	0	1	0	1	2	2	2	3	258	37	65	1006	0.00
	12:15	0	1	0	1	2	2	2	3	237	37	68	1006	0.00
	12:30	1	2	1	3	3	3	3	2	256	37	68	1006	0.00
	12:45	1	3	1	3	3	3	4	3	248	37	69	1006	0.00
	13:00	1	2	1	3	3	3	3	2	257	36	72	1006	0.00
	13:15	3	3	1	4	4	4	4	2	222	36	70	1006	0.00
	13:30	3	4	2	4	5	5	5	3	242	35	73	1006	0.00
	13:45	3	4	1	4	4	4	4	3	249	35	71	1006	0.00
	14:00	3	4	2	4	3	4	4	2	250	34	72	1006	0.00
	14:15	2	3	1	3	3	4	4	3	254	34	75	1006	0.00
	14:30	2	3	1	3	3	4	4	2	255	34	73	1006	0.00
	14:45	1	3	1	2	3	3	3	2	229	34	72	1006	0.00
	15:00	2	3	1	3	3	3	3	2	228	34	75	1006	0.00
	15:15	2	3	1	3	3	4	4	3	253	34	73	1006	0.00
	15:30	2	3	1	4	3	3	4	3	237	34	74	1006	0.00
	15:45	1	3	1	3	3	3	3	3	256	33	74	1006	0.00
	16:00	1	3	1	3	2	3	3	2	252	33	74	1006	0.00
	16:15	1	2	1	2	2	2	3	2	226	33	75	1006	0.00
	16:30	1	2	1	3	5	7	8	2	228	33	77	1006	0.00
	16:45	1	2	0	2	2	2	3	2	234	33	78	1006	0.00
	17:00	0	2	0	2	2	2	2	2	240	33	77	1006	0.00
	17:15	1	2	1	3	2	2	2	3	245	32	77	1006	0.00
	17:30	1	2	0	2	3	3	3	3	236	32	78	1006	0.00
	17:45	4	5	2	5	5	5	6	3	238	32	79	1006	0.00
	18:00	2	3	1	3	3	5	6	3	247	32	79	1006	0.00
	18:15	1	2	1	3	3	3	3	2	244	32	78	1006	0.00
	18:30	1	3	1	4	4	4	4	2	236	32	79	1006	0.00
	18:45	3	4	1	4	6	5	7	3	235	32	79	1006	0.00
	19:00	6	6	3	7	6	6	7	3	235	32	79	1006	0.00
	19:15	6	7	3	6	4	5	5	4	236	31	79	1006	0.00
	19:30	4	5	2	5	4	4	4	5	243	31	80	1006	0.00
	19:45	3	5	1	5	5	5	5	3	238	31	80	1006	0.00
	20:00	4	5	2	5	5	4	5	4	234	31	81	1006	0.00
	20:15	4	5	2	5	4	4	5	3	236	31	81	1006	0.00
	20:30	3	5	2	6	5	4	5	3	251	30	82	1006	0.00
	20:45	4	5	2	6	5	5	6	2	247	30	83	1006	0.00
	21:00	4	5	2	6	5	5	6	3	236	30	82	1006	0.00
	21:15	4	6	2	7	6	5	6	3	240	30	82	1006	0.00
	21:30	5	7	3	8	7	6	7	4	244	30	82	1006	0.00
	21:45	6	8	3	9	7	7	8	3	249	29	82	1006	0.00
	22:00	7	8	3	8	7	8	9	3	245	29	83	1006	0.00
	22:15	7	9	3	9	8	8	9	3	244	29	84	1006	0.00
	22:30	6	9	4	9	9	8	9	3	242	29	84	1006	0.00
	22:45	7	9	4	9	9	7	10	3	240	29	84	1006	0.00
	23:00	8	10	4	10	8	8	10	3	245	29	85	1006	0.00
	23:15	8	10	4	10	9	9	11	4	241	29	84	1006	0.00
	23:30	7	10	4	10	10	8	10	4	234	30	85	1006	0.00
	23:45	8	10	4	10	9	8	11	4	247	30	85	1006	0.00
	00:00	8	9	4	9	10	8	11	4	245	30	85	1006	0.00

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

Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	5	8	3	7	7	8	9	4	246	30	84	1005	0.00
	00:30	4	8	3	6	6	6	8	3	245	30	85	1005	0.00
	00:45	4	8	3	6	7	6	8	3	249	30	85	1005	0.00
	01:00	4	8	3	6	7	6	8	3	248	30	85	1005	0.00
	01:15	4	8	3	5	6	6	8	3	242	30	85	1005	0.00
	01:30	4	7	3	6	6	5	7	4	242	30	84	1005	0.00
	01:45	4	8	3	6	6	6	8	4	236	30	85	1005	0.00
	02:00	3	7	2	5	6	6	7	3	239	30	85	1005	0.00
	02:15	3	7	2	5	6	5	7	4	244	30	83	1005	0.00
	02:30	4	8	3	7	7	6	8	5	235	29	83	1005	0.00
	02:45	6	9	3	7	8	6	9	4	250	29	82	1005	0.00
	03:00	3	8	3	6	7	7	8	4	245	29	82	1005	0.00
	03:15	4	8	3	6	6	6	8	4	244	29	81	1005	0.00
	03:30	4	7	3	6	6	6	8	4	246	29	81	1005	0.00
	03:45	3	7	2	6	6	5	7	4	244	29	82	1005	0.00
	04:00	2	7	2	6	6	5	7	3	238	29	84	1005	0.00
	04:15	2	6	2	6	5	5	6	1	224	28	86	1005	0.00
	04:30	3	6	2	5	5	4	6	1	230	27	88	1005	0.00
	04:45	2	6	2	5	5	4	6	1	231	26	89	1004	0.00
	05:00	2	6	2	6	6	4	6	1	254	25	91	1004	0.00
	05:15	2	6	2	6	5	4	6	1	260	25	93	1004	0.00
	05:30	3	7	2	6	6	5	6	1	227	25	93	1004	0.00
	05:45	3	7	2	7	6	5	7	1	210	25	93	1004	0.00
	06:00	4	8	3	8	7	6	8	1	254	25	94	1004	0.00
	06:15	5	10	3	8	8	6	9	1	237	25	94	1004	0.00
	06:30	7	12	4	10	10	7	11	1	231	25	94	1004	0.00
	06:45	9	14	5	12	11	10	13	2	249	26	91	1004	0.00
	07:00	11	16	6	14	13	12	15	2	245	27	91	1005	0.00
	07:15	13	16	7	15	13	11	16	2	246	27	91	1005	0.00
	07:30	14	18	7	17	14	13	17	2	248	27	91	1005	0.00
	07:45	13	19	8	18	17	14	19	2	243	27	90	1005	0.00
	08:00	15	19	7	18	18	15	19	3	234	27	89	1005	0.00
	08:15	14	19	8	17	17	13	19	4	231	28	87	1005	0.00
	08:30	11	17	8	15	15	15	18	3	227	29	85	1004	0.00
	08:45	13	16	7	13	14	13	17	3	224	30	84	1004	0.00
	09:00	10	16	6	12	13	11	14	4	224	30	84	1004	0.00
	09:15	12	14	6	11	12	11	14	5	226	31	83	1004	0.00
	09:30	10	14	6	11	12	11	15	6	223	31	82	1004	0.00
	09:45	11	13	5	10	10	10	12	6	216	32	82	1004	0.00
	10:00	7	12	5	9	9	9	11	6	221	32	80	1004	0.00
	10:15	7	11	4	8	9	8	10	6	222	33	79	1004	0.00
	10:30	8	11	5	9	10	11	11	7	224	33	78	1004	0.00
	10:45	4	7	5	9	10	8	12	5	230	34	77	1004	0.00
	11:00	5	10	3	7	5	10	10	5	216	35	75	1003	0.00
	11:15	4	9	4	10	10	5	7	6	221	36	76	1003	0.00
	11:30	3	9	4	10	11	9	10	6	219	36	74	1003	0.00
	11:45	3	9	4	9	9	8	9	6	222	36	73	1003	0.00
1/2/2024	12:00	3	9	4	10	10	9	9	7	219	37	72	1002	0.00
	12:15	4	10	4	11	9	9	10	6	208	37	71	1002	0.00
	12:30	4	10	5	12	12	10	11	7	216	37	72	1002	0.00
	12:45	5	11	5	12	10	10	11	6	223	38	70	1001	0.00
	13:00	4	10	4	11	11	10	11	6	215	38	69	1001	0.00
	13:15	3	9	4	9	10	10	11	5	205	39	67	1001	0.00
	13:30	2	8	4	9	10	9	10	6	216	40	68	1001	0.00
	13:45	3	9	4	9	9	9	10	6	217	40	65	1001	0.00
	14:00	3	9	4	9	9	9	10	6	221	40	67	1000	0.00
	14:15	3	9	4	9	9	10	11	5	222	40	65	1000	0.00
	14:30	3	9	4	10	10	10	11	6	218	41	65	1000	0.00
	14:45	3	9	4	10	10	10	11	5	214	41	65	1000	0.00
	15:00	5	10	4	11	11	11	12	5	211	40	65	1000	0.00
	15:15	4	10	4	11	11	11	12	5	214	40	64	1000	0.00
	15:30	3	9	4	10	9	8	9	5	213	40	65	1000	0.00
	15:45	3	9	4	10	10	7	9	6	219	39	67	1000	0.00
	16:00	4	9	4	10	9	8	8	4	222	39	69	999	0.00
	16:15	4	9	4	9	8	7	9	5	213	38	71	999	0.00
	16:30	4	9	4	10	8	7	9	4	208	38	72	1000	0.00
	16:45	3	8	3	9	8	7	8	4	222	37	74	1000	0.00
	17:00	2	8	3	9	8	7	8	4	213	37	76	1000	0.00
	17:15	3	8	3	9	8	7	8	3	204	36	78	999	0.00
	17:30	6	15	7	16	16	9	12	3	207	35	80	999	0.00
	17:45	6	12	5	11	12	12	14	4	205	35	80	999	0.00
	18:00	2	9	3	9	8	7	8	3	212	35	80	999	0.00
	18:15	3	8	3	9	8	7	8	3	205	35	80	999	0.00
	18:30	3	9	3	9	8	7	8	3	215	34	80	999	0.00
	18:45	2	9	4	10	9	7	9	3	212	34	81	999	0.00
	19:00	4	10	4	11	10	7	10	3	209	34	81	999	0.00
	19:15	5	10	4	11	10	8	10	3	208	34	82	999	0.00
	19:30	4	11	4	11	10	8	10	3	213	34	82	999	0.00
	19:45	4	11	5	11	10	9	11	2	205	33	84	999	0.00
	20:00	4	11	5	10	10	8	10	3	208	32	84	999	0.00
	20:15	4	11	4	10	10	8	10	2	209	32	86	999	0.00
	20:30	5	11	5	10	10	9	10	3	220	32	86	999	0.00
	20:45	6	11	5	11	10	9	11	2	234	32	86	999	0.00
	21:00	5	12	5	12	10	9	11	2	229	32	87	999	0.00
	21:15	6	12	5	12	11	9	12	2	233	32	86	999	0.00
	21:30	6	12	5	11	11	9	11	2	226	31	86	999	0.00
	21:45	5	12	5	11	11	9	12	2	239	31	87	999	0.00
	22:00	6	12	5	12	11	10	12	2	241	31	87	999	0.00
	22:15	8	13	5	12	11	9	12	3	227	31	86	998	0.00
	22:30	7	13	5	13	12	10	13	2	233	31	86	998	0.00
	22:45	5	12	5	12	12	10	13	2	233	31	87	998	0.00
	23:00	6	12	5	12	12	10	12	2	234	30	88	998	0.00
	23:15	6	12	5	12	12	9	12	2	224	30	90	998	0.00
	23:30	5	12	5	12	12	9	12	2	232	29	90	998	0.00
	23:45	5	12	5	12	12	10	12	1	227	28	92	998	0.00
	00:00	5	12	5	12	13	9	11	2	231	29	92	998	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	8	12	5	11	10	9	12	2	223	30	90	997	0.00
	00:30	11	12	5	12	11	10	13	2	223	30	88	997	0.00
	00:45	10	13	5	12	12	10	13	2	228	30	89	997	0.00
	01:00	9	12	5	12	11	10	13	2	221	30	89	997	0.00
	01:15	10	12	6	12	11	10	12	2	235	30	90	998	0.00
	01:30	10	12	5	12	10	10	12	2	231	29	90	997	0.00
	01:45	10	13	5	12	11	10	13	2	239	30	90	997	0.00
	02:00	10	13	5	12	11	11	13	2	233	29	90	997	0.00
	02:15	10	13	5	12	11	10	12	1	223	28	91	997	0.00
	02:30	10	13	6	14	11	10	13	1	241	28	93	997	0.00
	02:45	8	12	6	13	11	10	12	1	242	27	93	997	0.00
	03:00	10	12	6	14	12	11	13	1	252	27	94	997	0.00
	03:15	11	14	6	14	13	10	13	1	253	27	95	997	0.00
	03:30	11	14	6	14	12	12	15	1	252	27	95	997	0.00
	03:45	12	15	7	15	13	13	15	1	259	26	96	997	0.00
	04:00	13	16	7	17	13	13	16	1	262	26	97	997	0.00
	04:15	13	15	7	17	14	13	17	1	289	26	97	997	0.00
	04:30	13	16	8	18	16	15	18	1	294	27	97	997	0.00
	04:45	16	17	8	19	17	15	19	1	257	27	97	997	0.00
	05:00	17	18	8	20	17	16	20	1	260	26	96	997	0.00
	05:15	16	19	9	20	18	17	21	1	258	26	97	997	0.00
	05:30	18	20	9	21	20	18	22	1	283	26	97	997	0.00
	05:45	17	20	9	21	19	17	22	1	313	27	96	997	0.00
	06:00	17	20	9	21	19	18	21	2	348	27	95	997	0.00
	06:15	20	21	10	21	21	20	23	2	350	26	95	997	0.00
	06:30	17	20	8	19	20	17	22	2	347	26	96	997	0.00
	06:45	16	19	9	19	19	18	21	1	285	27	96	997	0.00
	07:00	17	20	9	20	18	18	22	1	254	27	95	997	0.00
	07:15	16	20	9	20	18	17	22	1	245	27	95	997	0.00
	07:30	9	20	9	20	19	18	22	2	233	27	95	998	0.00
	07:45	17	14	6	15	20	19	23	2	252	27	95	998	0.00
	08:00	19	21	9	21	13	14	20	2	240	28	95	998	0.00
	08:15	23	24	10	23	22	16	19	2	250	28	94	998	0.00
	08:30	24	28	13	27	27	25	31	2	245	29	94	998	0.00
	08:45	20	25	12	25	25	22	28	2	232	29	94	998	0.00
	09:00	21	24	11	24	22	20	26	2	240	30	93	998	0.00
	09:15	22	24	11	25	24	21	27	2	241	30	93	998	0.00
	09:30	21	25	11	25	25	22	28	2	242	30	93	998	0.00
	09:45	22	25	11	25	25	23	28	2	233	31	92	998	0.00
	10:00	24	25	11	26	26	24	28	2	233	32	90	999	0.00
	10:15	25	27	13	28	26	24	29	2	236	33	89	998	0.00
	10:30	22	25	11	26	24	23	27	2	248	33	87	998	0.00
	10:45	19	22	11	22	21	20	25	2	272	34	83	998	0.00
	11:00	17	20	9	19	18	17	20	2	251	34	80	998	0.00
	11:15	18	18	8	20	19	17	20	2	273	35	79	998	0.00
	11:30	15	18	8	18	15	16	17	2	245	35	77	998	0.00
	11:45	15	18	8	19	17	16	19	2	253	36	78	997	0.00
1/3/2024	12:00	18	17	8	20	18	18	18	2	297	36	75	997	0.00
	12:15	18	17	8	17	18	15	20	2	273	36	73	997	0.00
	12:30	12	14	7	15	15	17	16	2	314	36	75	997	0.00
	12:45	11	13	7	13	13	12	15	2	298	35	74	997	0.00
	13:00	11	12	5	14	12	14	12	2	252	36	74	997	0.00
	13:15	10	12	6	13	13	11	15	2	251	36	74	997	0.00
	13:30	13	14	6	14	13	14	14	3	289	35	77	997	0.00
	13:45	12	14	7	16	14	14	15	2	303	35	76	997	0.00
	14:00	12	14	7	14	15	13	15	2	331	35	76	997	0.00
	14:15	14	15	7	15	15	16	17	2	259	35	76	997	0.00
	14:30	15	16	7	17	15	14	18	3	327	34	78	997	0.00
	14:45	14	15	8	17	16	14	17	3	323	34	78	997	0.00
	15:00	15	16	8	16	16	15	17	3	354	34	78	997	0.00
	15:15	16	16	7	17	18	16	18	3	345	34	78	998	0.00
	15:30	14	17	8	19	15	16	19	3	347	34	77	998	0.00
	15:45	16	18	9	17	16	15	20	3	348	34	77	998	0.00
	16:00	17	16	7	16	18	16	18	2	264	34	78	998	0.00
	16:15	14	17	8	19	18	17	18	2	300	34	77	998	0.00
	16:30	17	18	8	17	16	15	19	2	307	34	78	998	0.00
	16:45	16	18	8	16	16	15	18	2	287	34	78	998	0.00
	17:00	12	15	6	15	16	15	17	2	308	34	78	998	0.00
	17:15	14	15	7	15	15	14	17	2	284	33	79	999	0.00
	17:30	13	14	7	14	14	13	16	2	288	33	80	999	0.00
	17:45	11	14	7	15	14	13	16	1	291	33	80	999	0.00
	18:00	17	17	8	19	18	16	17	2	282	33	80	999	0.00
	18:15	15	17	8	18	19	17	18	2	296	33	79	1000	0.00
	18:30	15	18	8	18	17	15	20	2	302	33	79	1000	0.00
	18:45	19	19	9	18	18	17	21	3	345	33	78	1000	0.00
	19:00	14	17	8	18	17	17	20	2	340	33	79	1000	0.00
	19:15	16	16	8	17	18	15	18	3	344	33	78	1000	0.00
	19:30	15	16	7	16	15	14	17	1	314	33	79	1000	0.00
	19:45	13	16	7	16	15	15	18	1	288	33	80	1000	0.00
	20:00	13	16	8	16	17	15	18	2	308	33	78	1000	0.00
	20:15	14	15	7	16	15	15	17	3	334	34	78	1001	0.00
	20:30	13	14	6	14	15	12	16	2	321	34	78	1001	0.00
	20:45	11	14	6	13	13	13	15	3	351	33	77	1001	0.00
	21:00	14	15	7	15	15	15	17	3	347	33	76	1001	0.00
	21:15	14	14	7	15	15	13	16	3	338	33	77	1001	0.00
	21:30	12	14	7	16	15	12	16	2	330	33	77	1001	0.00
	21:45	12	14	6	14	13	14	16	2	308	33	78	1001	0.00
	22:00	13	14	6	14	14	13	15	2	302	33	78	1001	0.00
	22:15	13	15	6	14	15	14	16	2	323	33	79	1001	0.00
	22:30	11	15	7	15	15	13	16	2	303	33	79	1001	0.00
	22:45	14	14	7	14	15	14	17	1	266	34	79	1001	0.00
	23:00	14	14	6	14	13	14	18	2	313	34	78	1001	0.00
	23:15	10	13	5	14	12	13	14	2	307	34	78	1002	0.00
	23:30	12	13	6	14	14	13	15	1	277	34	77	1002	0.00
	23:45	19	18	8	17	19	15	19	1	233	34	78	1002	0.00
	00:00	22	22	11	24	21	19	22	1	239	34	79	1002	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
1/4/2024	00:15	20	20	12	23	20	16	17	1	229	34	79	1002	0.00
	00:30	13	15	7	13	15	12	13	1	229	33	80	1002	0.00
	00:45	10	13	5	12	13	12	13	1	237	33	81	1002	0.00
	01:00	12	13	6	13	13	10	14	1	240	33	79	1002	0.00
	01:15	14	14	7	13	14	13	14	1	292	33	79	1002	0.00
	01:30	10	14	6	12	14	14	13	2	238	33	79	1002	0.00
	01:45	12	13	6	12	14	12	13	2	231	33	80	1002	0.00
	02:00	12	13	6	12	14	11	13	2	237	33	80	1002	0.00
	02:15	11	13	6	12	13	12	14	2	225	33	80	1003	0.00
	02:30	11	13	6	13	13	12	14	1	249	33	79	1003	0.00
	02:45	13	13	6	13	14	13	14	2	239	33	80	1003	0.00
	03:00	12	14	6	13	14	12	14	2	232	33	80	1003	0.00
	03:15	11	14	6	12	14	11	13	1	236	33	81	1003	0.00
	03:30	11	14	6	12	13	12	13	1	248	33	81	1003	0.00
	03:45	13	13	6	12	13	12	13	2	242	32	81	1003	0.00
	04:00	11	13	6	12	12	12	13	2	229	32	81	1003	0.00
	04:15	11	14	6	13	13	11	13	2	238	32	80	1003	0.00
	04:30	12	13	6	12	13	11	13	2	231	32	82	1003	0.00
	04:45	9	11	5	10	12	10	11	2	213	32	85	1003	0.00
	05:00	11	12	5	11	11	10	12	2	231	32	84	1003	0.00
	05:15	10	12	5	12	12	10	13	2	235	32	83	1004	0.00
	05:30	12	12	6	12	14	10	13	2	237	32	82	1004	0.00
	05:45	13	14	6	13	13	12	14	2	238	32	82	1004	0.00
	06:00	11	14	7	13	14	13	14	2	231	32	85	1004	0.00
	06:15	12	14	6	14	13	11	14	2	232	32	83	1004	0.00
	06:30	14	16	7	13	14	13	16	2	232	32	83	1004	0.00
	06:45	15	16	8	16	15	15	17	2	238	32	83	1004	0.00
	07:00	16	18	8	17	19	16	19	2	238	32	85	1005	0.00
	07:15	14	17	8	18	18	15	17	2	238	32	86	1005	0.00
	07:30	10	15	7	16	17	14	16	2	243	32	86	1005	0.00
	07:45	1	10	5	11	17	15	19	2	243	32	84	1005	0.00
	08:00	2	18	8	18	12	15	18	1	270	33	84	1005	0.00
	08:15	1	20	9	19	20	13	15	1	278	33	83	1005	0.00
	08:30	2	21	10	20	20	18	22	1	19	33	83	1006	0.00
	08:45	3	21	10	20	19	20	22	2	22	33	83	1006	0.00
	09:00	3	20	8	20	19	17	21	2	19	34	81	1006	0.00
	09:15	0	20	9	17	19	18	22	2	29	34	78	1006	0.00
	09:30	3	19	10	20	20	20	20	3	30	34	78	1006	0.00
	09:45	2	20	10	17	17	16	22	2	43	35	74	1006	0.00
	10:00	1	17	7	16	17	17	17	2	20	36	71	1006	0.00
	10:15	0	11	4	10	11	12	12	3	49	36	61	1006	0.00
	10:30	0	8	3	7	8	8	8	2	25	37	55	1006	0.00
	10:45	0	7	3	7	8	8	9	2	64	39	55	1006	0.00
	11:00	0	8	3	8	9	8	9	2	266	40	53	1006	0.00
	11:15	0	9	3	10	10	9	10	2	215	40	53	1006	0.00
	11:30	0	7	2	7	7	7	8	3	180	39	53	1006	0.00
	11:45	0	7	2	6	6	6	7	2	152	40	51	1006	0.00
	12:00	0	7	2	6	7	6	7	2	146	40	54	1006	0.00
	12:15	0	7	2	6	6	7	7	3	140	40	53	1006	0.00
	12:30	0	7	2	6	6	7	7	4	107	40	52	1005	0.00
	12:45	0	7	2	9	6	7	7	3	149	41	49	1005	0.00
	13:00	0	7	2	6	6	7	7	3	184	42	51	1005	0.00
	13:15	0	7	2	6	6	7	7	3	173	41	52	1005	0.00
	13:30	0	7	2	6	6	8	8	3	149	42	51	1005	0.00
	13:45	0	7	2	6	6	7	7	3	141	40	54	1005	0.00
	14:00	0	7	2	7	6	7	8	2	161	38	57	1005	0.00
	14:15	0	7	3	8	7	7	7	2	181	38	56	1005	0.00
	14:30	0	7	3	6	7	7	7	2	155	37	57	1005	0.00
	14:45	0	7	3	7	7	7	8	3	149	39	53	1005	0.00
	15:00	0	7	2	6	7	7	8	2	111	41	54	1005	0.00
	15:15	0	8	3	10	8	8	9	3	137	41	53	1005	0.00
	15:30	0	8	3	10	8	9	9	2	171	41	51	1005	0.00
	15:45	0	7	2	8	7	7	8	2	158	41	54	1005	0.00
	16:00	0	7	2	7	7	7	8	3	146	39	58	1005	0.00
	16:15	0	7	2	6	6	7	7	2	181	38	60	1005	0.00
	16:30	0	7	3	7	6	6	7	2	200	37	66	1005	0.00
	16:45	0	7	3	6	7	6	7	2	190	36	63	1005	0.00
	17:00	0	9	4	10	8	6	6	1	122	35	65	1004	0.00
	17:15	0	9	4	8	7	8	8	1	219	35	66	1005	0.00
	17:30	0	9	3	10	10	7	8	1	219	34	69	1005	0.00
	17:45	0	11	4	10	12	9	11	1	147	34	70	1005	0.00
	18:00	0	11	4	10	9	9	10	1	160	33	72	1005	0.00
	18:15	0	10	4	10	9	9	10	1	194	32	74	1005	0.00
	18:30	0	10	4	10	9	9	10	1	228	31	78	1005	0.00
	18:45	0	9	4	9	9	7	8	1	230	30	82	1005	0.00
	19:00	0	10	4	9	8	7	9	1	249	29	81	1005	0.00
	19:15	0	9	3	9	8	8	9	2	254	29	81	1005	0.00
	19:30	0	9	4	10	8	7	8	1	254	28	82	1005	0.00
	19:45	0	11	5	13	10	8	10	1	240	29	83	1005	0.00
	20:00	0	10	4	9	9	9	10	1	87	29	79	1005	0.00
	20:15	0	9	3	9	9	7	8	1	72	30	79	1005	0.00
	20:30	0	8	3	9	7	6	8	1	211	30	85	1005	0.00
	20:45	0	8	3	7	7	6	7	1	234	28	88	1005	0.00
	21:00	0	7	3	7	6	6	7	1	239	27	87	1005	0.00
	21:15	0	7	3	8	7	5	6	1	259	26	89	1005	0.00
	21:30	0	7	3	8	7	5	7	1	318	26	89	1004	0.00
	21:45	0	8	3	8	7	6	7	1	330	26	91	1004	0.00
	22:00	0	8	3	9	7	6	7	1	301	25	92	1004	0.00
	22:15	0	8	3	9	7	6	7	0	25	25	93	1004	0.00
	22:30	0	8	3	10	8	6	8	0	250	25	93	1004	0.00
	22:45	0	9	4	10	8	7	8	1	297	25	94	1004	0.00
	23:00	0	18	8	25	16	11	15	1	311	25	94	1004	0.00
	23:15	18	50	25	59	47	40	48	1	324	25	94	1004	0.00
	23:30	16	44	19	43	66	63	72	1	325	25	94	1004	0.00
	23:45	18	38	19	46	51	42	50	1	26	25	94	1004	0.00
	00:00	13	33	18	41	31	31	34	1	7	26	94	1003	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
1/5/2024	00:15	6	13	9	22	21	17	20	1	44	26	92	1003	0.00
	00:30	9	13	7	13	12	14	16	1	16	26	91	1003	0.00
	00:45	7	11	5	9	10	10	12	1	58	26	91	1003	0.00
	01:00	8	11	4	9	10	10	12	1	77	27	90	1003	0.00
	01:15	9	11	5	8	10	10	12	1	66	27	90	1003	0.00
	01:30	9	11	5	9	11	10	12	1	93	26	91	1003	0.00
	01:45	8	11	5	10	11	10	12	1	184	26	91	1003	0.00
	02:00	9	11	5	9	11	9	12	1	257	26	92	1003	0.00
	02:15	9	11	5	9	10	10	12	1	337	25	93	1003	0.00
	02:30	8	11	5	9	10	10	12	1	275	25	94	1004	0.00
	02:45	9	11	5	9	10	9	12	1	316	25	94	1004	0.00
	03:00	10	12	5	9	11	11	13	1	285	25	93	1003	0.00
	03:15	10	13	5	10	12	11	13	1	242	25	92	1003	0.00
	03:30	10	13	5	10	12	11	14	1	14	26	91	1003	0.00
	03:45	10	12	6	10	12	12	14	1	241	26	91	1003	0.00
	04:00	10	12	5	9	11	11	13	1	226	26	90	1003	0.00
	04:15	11	13	6	10	12	10	12	2	111	27	88	1003	0.00
	04:30	11	14	6	10	13	12	14	1	132	27	87	1003	0.00
	04:45	10	13	6	9	12	12	14	1	145	27	86	1003	0.00
	05:00	11	13	6	10	12	11	14	2	110	27	86	1002	0.00
	05:15	11	13	6	10	13	12	14	1	125	27	86	1002	0.00
	05:30	10	14	6	11	13	13	15	1	120	27	87	1002	0.00
	05:45	11	14	6	10	13	12	15	2	116	27	87	1002	0.00
	06:00	12	14	6	12	13	13	15	2	108	27	87	1002	0.00
	06:15	12	15	7	12	14	13	16	2	124	26	88	1002	0.00
	06:30	11	14	6	12	14	14	16	2	149	26	88	1002	0.00
	06:45	12	14	6	12	14	12	16	1	145	26	88	1002	0.00
	07:00	12	14	6	12	14	13	16	1	177	26	88	1002	0.00
	07:15	12	14	6	11	14	13	15	1	124	26	89	1002	0.00
	07:30	9	14	7	11	13	12	15	1	115	26	89	1002	0.00
	07:45	6	10	4	7	13	12	15	3	79	27	88	1002	0.00
	08:00	10	14	6	13	7	12	15	2	115	27	88	1002	0.00
	08:15	9	14	6	13	14	8	10	2	154	27	87	1002	0.00
	08:30	9	15	7	14	14	13	16	2	151	28	86	1002	0.00
	08:45	10	15	7	14	14	14	17	2	149	29	83	1002	0.00
	09:00	12	14	6	12	14	12	16	3	134	31	81	1002	0.00
	09:15	9	15	7	14	14	13	15	3	149	31	80	1002	0.00
	09:30	9	14	6	12	14	12	16	2	156	31	79	1001	0.00
	09:45	11	15	7	12	13	13	15	3	135	33	75	1001	0.00
	10:00	10	15	7	14	14	14	16	4	137	34	73	1001	0.00
	10:15	12	17	8	15	17	15	18	4	129	35	73	1001	0.00
	10:30	13	18	8	16	16	18	20	4	133	36	72	1001	0.00
	10:45	13	17	8	15	19	17	19	3	140	37	68	1000	0.00
	11:00	13	17	7	15	15	17	19	3	144	37	69	1000	0.00
	11:15	13	17	7	14	17	17	18	5	132	37	69	999	0.00
	11:30	12	16	7	14	17	16	19	5	156	37	67	999	0.00
	11:45	12	16	7	14	17	16	18	4	171	38	67	1000	0.00
	12:00	13	17	7	15	18	17	19	4	147	38	68	999	0.00
	12:15	14	18	8	16	18	18	20	3	169	37	67	999	0.00
	12:30	16	19	9	17	19	19	21	3	182	38	67	1000	0.00
	12:45	16	19	8	18	19	18	21	4	192	37	66	1000	0.00
	13:00	16	19	9	19	19	19	21	3	192	38	66	1000	0.00
	13:15	15	19	8	19	18	18	21	3	204	38	65	999	0.00
	13:30	15	19	9	19	19	18	21	2	205	38	65	999	0.00
	13:45	15	18	8	18	18	18	20	2	194	38	64	998	0.00
	14:00	16	20	9	20	19	19	22	3	121	37	65	997	0.00
	14:15	16	20	9	20	19	19	22	3	107	37	67	997	0.00
	14:30	17	21	9	20	20	20	23	4	75	37	68	996	0.00
	14:45	17	21	10	20	21	21	23	4	110	36	69	996	0.00
	15:00	18	21	10	19	21	22	22	6	104	36	71	996	0.00
	15:15	14	21	9	20	19	19	23	5	98	36	73	996	0.00
	15:30	19	19	10	19	21	23	24	6	103	36	72	995	0.00
	15:45	14	20	9	20	20	18	22	6	112	35	72	994	0.00
	16:00	19	22	10	19	21	21	23	5	123	36	73	994	0.00
	16:15	16	21	10	23	22	21	23	7	114	35	73	994	0.00
	16:30	18	21	10	21	20	21	24	7	107	35	74	994	0.00
	16:45	18	20	9	18	20	19	23	5	146	35	75	994	0.00
	17:00	13	19	9	17	19	19	21	6	112	35	75	994	0.00
	17:15	14	19	9	18	19	18	21	3	137	35	75	994	0.00
	17:30	16	19	9	18	17	16	20	3	143	35	76	994	0.00
	17:45	12	18	8	17	17	17	20	3	128	35	76	994	0.00
	18:00	13	18	8	16	18	18	19	3	120	35	76	994	0.00
	18:15	14	17	8	16	18	16	19	4	118	35	75	994	0.00
	18:30	12	17	8	17	16	17	19	3	119	35	74	994	0.00
	18:45	13	16	7	16	17	16	19	2	157	35	75	994	0.00
	19:00	12	16	8	15	17	15	18	2	179	35	76	994	0.00
	19:15	10	15	8	14	14	15	17	2	229	35	76	994	0.00
	19:30	11	15	6	14	15	15	17	1	201	35	79	994	0.00
	19:45	9	15	6	14	15	14	16	1	216	35	77	994	0.00
	20:00	12	13	7	15	13	13	16	1	223	35	78	994	0.00
	20:15	9	14	6	13	14	15	16	1	188	35	79	994	0.00
	20:30	11	16	6	14	15	14	16	1	148	34	81	993	0.00
	20:45	11	15	6	13	13	13	15	1	194	34	82	993	0.00
	21:00	9	15	6	14	14	12	15	2	196	34	86	993	0.00
	21:15	11	15	6	14	14	13	15	2	187	33	90	993	0.00
	21:30	11	16	7	14	15	14	17	2	177	33	93	993	0.00
	21:45	11	17	8	16	15	14	18	2	172	32	94	993	0.00
	22:00	13	18	8	18	18	16	19	2	170	32	95	992	0.00
	22:15	12	19	8	18	18	17	20	1	146	32	96	992	0.00
	22:30	14	19	9	19	17	17	21	1	71	32	96	992	0.00
	22:45	15	22	10	21	20	19	23	1	76	32	96	992	0.00
	23:00	16	22	9	20	21	19	25	1	128	32	97	992	0.00
	23:15	15	20	9	19	18	17	22	1	135	32	97	992	0.00
	23:30	14	20	9	19	20	18	23	1	124	32	97	992	0.00
	23:45	15	20	9	20	20	17	23	1	134	32	97	991	0.00
	00:00	14	20	9	20	20	17	22	1	60	32	97	991	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	15	21	9	19	20	19	22	1	179	32	97	991	0.00
	00:30	15	22	10	20	20	17	22	1	165	32	97	991	0.00
	00:45	17	22	9	21	20	18	21	0	200	32	97	990	0.00
	01:00	15	22	10	20	21	17	22	0	232	32	98	990	0.00
	01:15	15	21	9	19	19	17	20	1	243	32	98	990	0.00
	01:30	14	21	9	20	19	17	21	1	243	32	98	990	0.00
	01:45	17	23	9	21	20	18	23	1	250	32	98	989	0.00
	02:00	16	24	10	21	20	18	22	1	249	32	98	989	0.00
	02:15	18	24	10	22	21	18	23	1	245	32	98	989	0.00
	02:30	17	24	11	22	21	18	24	1	240	32	98	989	0.00
	02:45	16	23	10	22	21	18	22	1	239	32	98	988	0.00
	03:00	18	23	10	21	20	18	24	1	189	32	98	988	0.00
	03:15	16	23	10	21	20	19	22	1	87	32	98	988	0.00
	03:30	18	24	11	21	21	19	23	1	93	33	98	988	0.00
	03:45	19	26	11	25	25	19	26	1	74	33	98	988	0.00
	04:00	25	32	15	31	29	28	31	1	72	33	98	988	0.00
	04:15	25	32	14	30	33	27	34	2	71	33	98	987	0.00
	04:30	24	31	14	29	29	27	32	2	103	33	98	987	0.00
	04:45	24	30	13	27	28	25	28	2	120	33	98	987	0.00
	05:00	18	25	10	23	22	20	25	3	122	33	98	987	0.00
	05:15	17	23	10	20	23	20	23	2	137	33	98	987	0.00
	05:30	14	21	9	19	19	17	20	3	115	33	98	987	0.00
	05:45	16	21	9	19	19	18	21	2	101	32	98	987	0.00
	06:00	14	21	9	19	19	16	21	3	106	33	98	987	0.00
	06:15	18	23	10	22	21	20	22	3	125	33	98	987	0.00
	06:30	19	27	12	25	26	22	26	3	94	33	98	986	0.00
	06:45	23	28	12	27	26	23	29	3	105	33	98	986	0.00
	07:00	21	29	13	27	28	25	29	3	111	33	98	986	0.00
	07:15	24	29	13	28	26	23	29	2	109	33	98	986	0.00
	07:30	20	28	12	25	27	25	27	2	116	33	98	986	0.00
	07:45	13	20	11	23	23	22	26	2	127	33	99	986	0.00
	08:00	20	22	6	17	21	22	26	2	154	33	98	986	0.00
	08:15	22	25	12	25	19	13	18	2	158	33	98	986	0.00
	08:30	22	26	12	26	24	21	25	2	161	33	98	986	0.00
	08:45	26	28	13	29	27	23	27	2	146	33	98	986	0.00
	09:00	29	33	15	33	32	27	32	2	153	34	97	987	0.00
	09:15	37	41	19	41	38	36	41	2	130	34	97	987	0.00
	09:30	40	44	21	45	44	39	46	2	148	34	97	987	0.00
	09:45	39	47	22	47	45	41	48	2	159	34	97	987	0.00
	10:00	42	46	22	48	44	39	47	2	158	35	97	987	0.00
	10:15	45	50	23	53	47	45	52	2	160	35	96	987	0.00
	10:30	45	52	25	56	52	46	55	2	151	35	96	986	0.00
	10:45	47	52	24	54	53	47	54	2	169	35	95	986	0.00
	11:00	42	47	21	49	46	42	48	3	158	35	95	986	0.00
	11:15	35	41	19	41	41	39	42	2	182	35	94	986	0.00
	11:30	33	38	18	39	39	37	40	3	205	35	94	986	0.00
	11:45	40	44	20	44	40	38	44	2	214	35	95	986	0.00
1/6/2024	12:00	44	47	22	46	44	41	48	2	208	35	95	985	0.00
	12:15	44	51	24	52	50	45	52	2	188	36	95	985	0.00
	12:30	48	53	25	56	53	50	56	2	210	35	96	985	0.00
	12:45	51	56	26	57	54	52	59	3	216	35	97	985	0.00
	13:00	53	57	25	57	57	55	63	3	236	35	97	984	0.00
	13:15	52	59	27	60	55	54	65	3	220	35	98	984	0.01
	13:30	57	66	29	62	61	59	66	3	226	35	98	984	0.04
	13:45	49	54	25	50	53	50	58	3	227	34	98	984	0.04
	14:00	44	48	22	47	48	44	52	3	232	34	99	984	0.04
	14:15	45	54	24	50	51	49	58	4	240	34	99	985	0.04
	14:30	47	50	22	49	48	47	53	4	236	34	99	985	0.02
	14:45	53	58	25	56	54	54	61	2	227	34	99	985	0.02
	15:00	49	60	27	57	59	53	64	2	221	34	99	984	0.01
	15:15	54	61	28	58	59	55	66	3	224	34	99	984	0.00
	15:30	59	65	30	63	59	61	70	3	223	34	99	984	0.01
	15:45	52	62	27	59	61	59	67	3	231	34	99	985	0.02
	16:00	51	56	25	52	55	49	60	3	232	34	99	985	0.00
	16:15	45	49	23	45	46	44	53	3	228	33	98	985	0.01
	16:30	39	46	20	44	45	42	49	3	240	33	98	985	0.01
	16:45	47	50	23	49	47	44	51	3	239	33	98	985	0.00
	17:00	46	50	24	49	46	42	52	3	227	33	98	985	0.01
	17:15	36	43	18	41	42	39	43	2	232	33	98	985	0.00
	17:30	35	38	18	37	Offline	35	38	2	227	33	98	985	0.00
	17:45	32	36	17	35	Offline	30	38	2	225	33	98	985	0.01
	18:00	32	37	16	36	Offline	31	37	3	232	33	98	986	0.00
	18:15	34	37	18	36	Offline	32	37	2	233	33	98	986	0.00
	18:30	35	41	19	39	Offline	33	40	3	243	33	99	986	0.01
	18:45	41	43	19	42	Offline	37	43	3	244	33	99	986	0.00
	19:00	39	44	21	43	Offline	38	42	4	242	34	98	986	0.01
	19:15	37	44	19	42	Offline	35	42	4	242	34	98	986	0.00
	19:30	37	42	19	39	Offline	37	42	4	242	34	97	986	0.01
	19:45	32	39	17	37	Offline	33	39	3	242	34	97	986	0.00
	20:00	36	39	19	37	Offline	32	39	3	239	34	97	986	0.00
	20:15	34	38	18	37	Offline	33	38	3	238	34	97	986	0.00
	20:30	32	37	16	36	Offline	31	36	3	235	34	97	986	0.00
	20:45	32	35	16	34	Offline	30	34	2	228	34	97	986	0.01
	21:00	29	34	16	33	Offline	29	33	2	230	34	97	986	0.00
	21:15	28	32	14	31	Offline	27	32	3	237	34	97	986	0.00
	21:30	27	30	14	29	Offline	25	30	3	243	33	96	986	0.00
	21:45	25	30	14	29	Offline	26	29	3	244	33	96	986	0.00
	22:00	29	32	14	30	Offline	26	31	3	247	33	96	986	0.00
	22:15	32	34	16	33	Offline	27	34	3	245	33	96	986	0.00
	22:30	30	36	17	35	Offline	31	37	2	249	33	95	986	0.00
	22:45	35	38	18	37	Offline	32	37	2	248	33	95	987	0.00
	23:00	35	39	17	38	Offline	31	38	3	225	33	95	987	0.00
	23:15	34	41	19	39	Offline	35	40	3	228	33	95	987	0.00
	23:30	39	41	19	40	Offline	34	41	3	225	33	96	987	0.00
	23:45	38	41	18	40	Offline	33	41	3	224	33	96	987	0.00
	00:00	37	43	21	42	Offline	37	43	3	229	33	96	987	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	47	54	26	57	Offline	45	55	3	233	33	97	987	0.00
	00:30	39	58	26	53	Offline	51	62	3	227	33	98	987	0.00
	00:45	34	46	20	44	Offline	38	47	3	222	33	98	987	0.00
	01:00	31	46	20	43	Offline	40	45	3	220	33	98	987	0.00
	01:15	35	46	21	44	Offline	38	45	3	213	33	98	988	0.00
	01:30	34	46	21	44	Offline	41	46	3	213	33	98	988	0.00
	01:45	36	48	23	47	Offline	40	50	3	220	32	98	988	0.00
	02:00	38	49	23	49	Offline	43	51	4	213	32	98	988	0.00
	02:15	36	51	23	50	Offline	41	52	3	213	32	98	988	0.00
	02:30	42	52	24	51	Offline	45	52	3	212	32	98	988	0.00
	02:45	38	53	24	52	Offline	43	51	3	216	32	98	988	0.00
	03:00	42	53	25	51	Offline	46	55	3	224	32	98	988	0.00
	03:15	41	52	23	50	Offline	43	54	3	225	32	98	988	0.00
	03:30	40	53	25	50	Offline	46	55	3	231	32	98	988	0.00
	03:45	30	41	18	38	Offline	39	45	3	222	32	98	989	0.00
	04:00	10	21	10	21	Offline	22	24	4	215	33	98	989	0.00
	04:15	13	22	10	23	Offline	19	20	3	213	33	98	989	0.00
	04:30	17	28	14	29	Offline	23	28	4	217	33	97	989	0.00
	04:45	21	31	14	31	Offline	26	31	4	226	32	97	989	0.00
	05:00	21	31	16	30	Offline	27	32	4	225	32	97	989	0.00
	05:15	18	31	13	29	Offline	25	31	5	228	32	97	989	0.00
	05:30	19	29	14	28	Offline	24	28	4	224	32	97	990	0.00
	05:45	15	28	12	28	Offline	23	27	4	223	32	97	990	0.00
	06:00	18	28	13	28	Offline	22	28	4	227	32	96	990	0.00
	06:15	19	29	12	29	Offline	23	29	4	221	32	96	990	0.00
	06:30	19	31	15	31	Offline	24	31	4	223	32	95	991	0.00
	06:45	23	33	14	32	Offline	Offline	32	4	224	32	95	991	0.00
	07:00	20	33	15	31	Offline	Offline	32	3	228	32	96	991	0.00
	07:15	22	32	15	31	Offline	Offline	32	3	220	32	96	991	0.00
	07:30	23	33	15	32	Offline	Offline	33	4	224	32	95	992	0.00
	07:45	21	35	16	34	Offline	Offline	36	4	223	32	96	992	0.00
	08:00	26	35	15	35	Offline	Offline	36	4	221	32	96	992	0.00
	08:15	25	37	17	36	Offline	Offline	37	3	219	32	96	992	0.00
	08:30	24	37	17	37	Offline	Offline	38	3	226	32	96	993	0.00
	08:45	30	39	18	40	Offline	Offline	38	3	228	32	96	993	0.00
	09:00	29	42	20	41	Offline	Offline	41	3	228	33	96	993	0.00
	09:15	33	44	20	43	Offline	Offline	43	3	229	33	96	993	0.00
	09:30	35	44	21	44	37	Offline	46	3	222	33	96	994	0.00
	09:45	34	46	23	46	45	Offline	48	3	223	33	95	994	0.00
	10:00	33	46	23	46	41	34	48	4	228	34	93	994	0.00
	10:15	37	47	22	46	40	40	50	3	241	34	93	994	0.02
	10:30	39	47	23	46	44	38	51	3	233	34	93	995	0.00
	10:45	34	49	22	46	43	37	51	3	225	35	92	995	0.00
	11:00	36	49	23	49	45	41	50	3	228	34	92	995	0.00
	11:15	37	47	23	47	46	38	49	3	229	34	93	995	0.00
	11:30	36	47	23	46	46	43	49	3	224	34	93	995	0.00
	11:45	35	47	22	46	46	41	48	3	231	34	93	995	0.00
1/7/2024	12:00	30	45	21	42	39	37	45	2	227	34	93	995	0.00
	12:15	18	28	13	26	26	27	29	5	236	33	93	995	0.00
	12:30	11	22	9	20	21	19	22	4	237	33	92	995	0.00
	12:45	8	19	9	20	19	17	20	4	230	33	92	996	0.00
	13:00	10	20	9	20	19	17	20	4	231	33	91	996	0.00
	13:15	9	19	8	18	19	18	18	3	228	34	91	996	0.00
	13:30	9	18	8	17	17	17	18	3	233	34	89	996	0.00
	13:45	8	18	8	17	16	16	16	4	232	34	89	996	0.00
	14:00	6	16	8	15	16	15	15	3	231	34	87	997	0.00
	14:15	6	15	7	15	15	14	16	3	231	34	87	997	0.00
	14:30	6	15	7	15	15	12	14	4	232	34	85	997	0.00
	14:45	5	13	6	13	13	14	13	3	235	34	84	997	0.00
	15:00	3	12	6	11	12	11	11	3	232	34	84	998	0.00
	15:15	1	11	5	11	12	10	10	3	229	34	83	998	0.00
	15:30	1	10	5	10	10	10	9	2	232	34	84	998	0.00
	15:45	1	10	4	9	10	10	9	2	228	34	84	999	0.00
	16:00	2	10	4	10	10	9	9	1	217	34	84	998	0.00
	16:15	2	12	6	11	10	9	9	3	215	34	85	999	0.00
	16:30	1	11	5	11	10	9	9	2	216	34	83	999	0.00
	16:45	1	10	5	9	9	10	9	2	204	34	84	998	0.00
	17:00	1	9	4	8	8	8	8	2	210	34	87	999	0.00
	17:15	1	10	4	10	8	7	7	2	207	34	83	999	0.00
	17:30	3	12	5	12	11	10	12	2	222	34	82	999	0.00
	17:45	3	11	5	11	12	11	11	1	219	34	83	999	0.00
	18:00	3	11	6	12	12	12	11	1	241	34	81	999	0.00
	18:15	1	12	5	9	11	Offline	8	2	188	33	88	1000	0.00
	18:30	1	10	5	10	10	Offline	8	2	213	33	87	1000	0.00
	18:45	3	11	4	12	10	Offline	11	1	181	33	84	1000	0.00
	19:00	1	10	4	8	10	Offline	10	2	202	33	86	1000	0.00
	19:15	0	9	4	8	Offline	Offline	8	2	189	33	87	1000	0.00
	19:30	0	8	4	8	Offline	Offline	7	2	207	33	87	1000	0.00
	19:45	0	8	3	7	Offline	Offline	7	1	196	33	89	1000	0.00
	20:00	0	7	3	7	Offline	Offline	6	2	204	33	87	1000	0.00
	20:15	0	7	3	7	Offline	Offline	6	2	201	33	85	1000	0.00
	20:30	0	6	3	7	Offline	Offline	5	2	203	33	83	1001	0.00
	20:45	0	6	3	5	Offline	Offline	5	2	189	33	83	1000	0.00
	21:00	0	7	3	5	Offline	Offline	4	2	202	33	81	1000	0.00
	21:15	0	7	3	6	Offline	Offline	5	2	199	33	82	1001	0.00
	21:30	0	7	3	6	Offline	Offline	6	2	195	33	80	1001	0.00
	21:45	0	9	4	8	Offline	Offline	6	2	200	33	82	1001	0.00
	22:00	3	10	5	9	Offline	Offline	9	2	183	33	82	1001	0.00
	22:15	2	11	5	10	Offline	Offline	9	2	177	33	83	1001	0.00
	22:30	4	13	6	13	Offline	Offline	11	2	158	33	84	1001	0.00
	22:45	6	15	7	12	Offline	Offline	13	2	143	33	84	1001	0.00
	23:00	5	14	6	13	Offline	Offline	13	2	183	33	84	1002	0.00
	23:15	6	15	6	13	Offline	Offline	13	2	176	33	85	1002	0.00
	23:30	5	15	7	14	Offline	Offline	13	2	163	33	86	1002	0.00
	23:45	10	19	8	16	Offline	Offline	17	2	169	33	86	1002	0.00
	00:00	10	18	9	16	Offline	Offline	17	1	177	33	86	1002	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	12	17	7	16	Offline	Offline	18	1	179	32	89	1002	0.00
	00:30	17	18	8	16	Offline	Offline	20	1	188	31	90	1002	0.00
	00:45	15	18	8	16	Offline	Offline	18	1	165	30	92	1002	0.00
	01:00	17	18	8	16	Offline	Offline	18	1	90	30	92	1002	0.00
	01:15	17	18	8	16	Offline	Offline	17	1	178	29	93	1002	0.00
	01:30	17	18	8	17	Offline	Offline	18	1	188	29	93	1002	0.00
	01:45	17	20	8	17	Offline	Offline	19	1	172	29	93	1002	0.00
	02:00	20	21	8	18	Offline	Offline	21	2	125	30	91	1001	0.00
	02:15	20	22	9	18	Offline	Offline	20	2	152	31	90	1001	0.00
	02:30	20	24	10	21	Offline	Offline	23	3	160	31	89	1001	0.00
	02:45	23	24	11	22	Offline	Offline	24	2	160	31	89	1001	0.00
	03:00	23	24	10	22	Offline	Offline	25	3	163	32	89	1002	0.00
	03:15	20	24	11	22	Offline	Offline	25	2	156	31	89	1001	0.00
	03:30	22	24	11	22	Offline	Offline	24	2	154	31	90	1001	0.00
	03:45	22	24	10	22	Offline	Offline	23	2	156	31	89	1001	0.00
	04:00	20	24	10	22	Offline	Offline	24	3	158	31	89	1001	0.00
	04:15	21	23	11	22	Offline	Offline	24	3	156	31	89	1001	0.00
	04:30	23	23	10	21	Offline	Offline	24	3	151	31	89	1001	0.00
	04:45	20	23	9	20	Offline	Offline	23	2	159	31	90	1001	0.00
	05:00	19	23	10	20	Offline	Offline	22	2	159	31	90	1002	0.00
	05:15	21	23	10	20	Offline	Offline	23	3	152	31	91	1002	0.00
	05:30	20	21	9	19	Offline	Offline	22	2	146	31	91	1002	0.00
	05:45	18	21	10	20	Offline	Offline	20	2	170	31	91	1002	0.00
	06:00	20	21	9	20	Offline	Offline	22	2	150	31	90	1002	0.00
	06:15	20	21	9	19	Offline	Offline	22	3	111	31	90	1002	0.00
	06:30	18	22	10	19	Offline	Offline	22	3	124	31	90	1002	0.00
	06:45	21	22	9	19	Offline	Offline	22	2	132	31	90	1002	0.00
	07:00	21	22	10	20	Offline	Offline	24	3	125	31	90	1002	0.00
	07:15	19	23	10	21	Offline	Offline	24	3	129	31	89	1001	0.00
	07:30	21	23	10	21	Offline	Offline	23	4	134	31	88	1001	0.00
	07:45	15	23	10	21	Offline	Offline	24	3	142	32	88	1001	0.00
	08:00	17	15	7	15	Offline	Offline	24	4	148	32	87	1001	0.00
	08:15	23	24	10	22	13	0	16	4	153	32	87	1001	0.00
	08:30	22	23	11	22	21	17	24	4	142	33	87	1001	0.00
	08:45	21	23	11	22	14	16	24	4	132	33	86	1001	0.00
	09:00	22	23	11	23	19	17	24	4	136	33	87	1000	0.00
	09:15	24	23	11	23	20	17	24	5	132	34	87	1000	0.00
	09:30	22	23	11	23	20	17	25	5	136	34	87	999	0.00
	09:45	20	23	10	23	22	20	25	5	130	34	87	999	0.00
	10:00	22	23	10	23	23	20	25	5	135	34	88	999	0.00
	10:15	23	24	11	24	23	22	25	5	141	35	87	999	0.00
	10:30	22	23	11	24	23	19	25	4	150	35	87	999	0.00
	10:45	20	24	11	23	21	22	25	4	158	35	86	1000	0.00
	11:00	21	21	11	23	20	19	23	4	173	36	84	1000	0.00
	11:15	21	20	10	21	20	19	23	4	171	36	85	1000	0.00
	11:30	19	20	10	21	20	17	21	4	162	37	84	999	0.00
	11:45	18	20	9	20	21	19	21	5	153	37	85	999	0.00
1/8/2024	12:00	18	19	8	18	17	19	21	4	163	37	84	998	0.00
	12:15	18	17	8	17	17	16	19	5	163	37	83	998	0.00
	12:30	15	16	8	17	16	14	18	5	157	38	83	998	0.00
	12:45	15	16	8	17	16	15	18	4	153	38	83	997	0.00
	13:00	16	16	7	17	16	15	16	5	155	38	82	997	0.00
	13:15	16	16	7	16	15	15	17	4	146	38	82	997	0.00
	13:30	14	15	7	16	15	15	16	4	144	38	84	996	0.00
	13:45	14	15	7	16	14	15	16	5	129	37	85	996	0.00
	14:00	16	15	7	16	15	14	17	5	131	37	84	996	0.00
	14:15	16	16	7	17	17	15	18	5	119	37	85	995	0.00
	14:30	15	16	8	17	17	15	18	6	106	37	86	995	0.00
	14:45	16	17	8	18	17	15	19	6	104	36	87	995	0.00
	15:00	17	17	8	18	16	16	19	6	113	36	87	995	0.00
	15:15	17	17	8	18	16	15	18	6	117	36	87	995	0.00
	15:30	15	16	7	17	16	14	18	5	117	37	86	995	0.00
	15:45	14	16	7	16	16	14	18	6	100	37	86	994	0.00
	16:00	15	15	7	16	15	15	17	6	94	37	89	994	0.00
	16:15	15	15	8	16	14	13	16	7	106	36	91	993	0.01
	16:30	15	19	7	17	19	17	20	9	67	35	94	991	0.02
	16:45	17	18	8	18	17	16	19	10	68	35	93	991	0.01
	17:00	17	18	8	19	17	16	20	9	88	35	93	991	0.01
	17:15	16	18	8	19	19	16	19	7	102	35	95	991	0.02
	17:30	18	18	8	18	Offline	16	19	8	102	35	95	991	0.01
	17:45	16	18	8	18	14	16	21	9	82	35	95	990	0.01
	18:00	17	18	8	19	Offline	16	19	7	84	35	94	990	0.00
	18:15	16	18	8	19	Offline	16	19	7	111	35	93	990	0.00
	18:30	17	18	8	17	Offline	15	19	8	107	35	92	990	0.00
	18:45	15	16	8	16	Offline	14	17	9	90	36	92	989	0.00
	19:00	15	15	7	16	Offline	14	16	7	114	36	92	989	0.00
	19:15	14	15	7	16	Offline	13	17	5	135	36	91	989	0.00
	19:30	14	14	6	15	Offline	12	14	6	116	36	90	989	0.00
	19:45	12	13	6	13	Offline	12	14	6	121	36	90	989	0.01
	20:00	12	13	6	13	Offline	12	13	7	117	35	94	989	0.02
	20:15	11	13	5	13	Offline	11	13	7	122	34	95	989	0.01
	20:30	12	12	5	13	Offline	11	13	5	118	33	96	988	0.00
	20:45	10	11	5	12	Offline	11	13	6	108	33	97	988	0.00
	21:00	10	11	5	11	Offline	11	12	8	112	33	98	987	0.00
	21:15	10	10	5	12	Offline	11	Offline	9	108	33	98	987	0.00
	21:30	9	11	5	11	Offline	10	Offline	9	109	33	98	986	0.00
	21:45	8	9	4	10	Offline	9	Offline	8	116	33	98	986	0.01
	22:00	7	9	4	9	Offline	Offline	Offline	8	109	33	98	986	0.00
	22:15	7	7	3	7	Offline	Offline	Offline	8	111	33	99	985	0.00
	22:30	5	6	3	7	Offline	Offline	Offline	10	109	33	99	985	0.00
	22:45	5	5	2	6	Offline	Offline	Offline	9	100	33	99	984	0.00
	23:00	4	5	2	5	Offline	Offline	Offline	7	116	33	99	984	0.00
	23:15	3	4	2	5	Offline	Offline	Offline	6	116	33	98	984	0.00
	23:30	3	4	2	4	Offline	Offline	Offline	6	115	33	99	983	0.00
	23:45	3	4	2	5	Offline	Offline	Offline	7	109	33	99	983	0.00
	00:00	3	4	2	4	Offline	Offline	Offline	6	118	33	99	982	0.00

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Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
1/9/2024	00:15	3	4	2	4	Offline	Offline	Offline	7	106	33	99	982	0.00
	00:30	2	4	1	3	Offline	Offline	Offline	8	101	33	99	981	0.00
	00:45	2	4	1	3	Offline	Offline	Offline	8	93	33	99	980	0.00
	01:00	3	5	2	4	Offline	Offline	Offline	8	102	33	99	980	0.00
	01:15	2	4	1	3	Offline	Offline	Offline	7	109	33	99	980	0.00
	01:30	2	3	1	2	Offline	Offline	Offline	7	110	33	99	980	0.00
	01:45	2	3	1	2	Offline	Offline	Offline	7	115	34	99	979	0.00
	02:00	2	3	1	2	Offline	Offline	Offline	7	114	34	98	979	0.00
	02:15	1	3	1	2	Offline	Offline	Offline	10	102	34	98	977	0.00
	02:30	1	2	1	2	Offline	Offline	Offline	10	96	34	98	975	0.00
	02:45	1	3	Offline	2	Offline	Offline	Offline	Offline	Offline	Offline	Offline	Offline	Offline
	03:00	2	3	Offline	2	Offline	Offline	Offline	Offline	Offline	Offline	Offline	Offline	Offline
	03:15	2	3	Offline	3	Offline	Offline	Offline	Offline	Offline	Offline	Offline	Offline	Offline
	03:30	2	3	Offline	3	Offline	Offline	Offline	Offline	Offline	Offline	Offline	Offline	Offline
	03:45	2	3	Offline	4	Offline	Offline	Offline	Offline	Offline	Offline	Offline	Offline	Offline
	04:00	2	3	Offline	4	Offline	Offline	Offline	Offline	Offline	Offline	Offline	Offline	Offline
	04:15	1	3	Offline	3	Offline	Offline	Offline	Offline	Offline	Offline	Offline	Offline	Offline
	04:30	1	2	Offline	4	Offline	Offline	Offline	Offline	Offline	Offline	Offline	Offline	Offline
	04:45	1	2	Offline	4	Offline	Offline	Offline	Offline	Offline	Offline	Offline	Offline	Offline
	05:00	2	3	Offline	3	Offline	Offline	Offline	Offline	Offline	Offline	Offline	Offline	Offline
	05:15	1	2	Offline	3	Offline	Offline	Offline	Offline	Offline	Offline	Offline	Offline	Offline
	05:30	1	2	Offline	4	Offline	Offline	Offline	Offline	Offline	Offline	Offline	Offline	Offline
	05:45	1	2	Offline	3	Offline	Offline	Offline	Offline	Offline	Offline	Offline	Offline	Offline
	06:00	1	2	Offline	3	Offline	Offline	Offline	Offline	Offline	Offline	Offline	Offline	Offline
	06:15	1	2	Offline	3	Offline	Offline	Offline	Offline	Offline	Offline	Offline	Offline	Offline
	06:30	1	2	Offline	1	Offline	Offline	Offline	Offline	Offline	Offline	Offline	Offline	Offline
	06:45	1	2	Offline	3	Offline	Offline	Offline	Offline	Offline	Offline	Offline	Offline	Offline
	07:00	1	2	Offline	2	Offline	Offline	Offline	Offline	Offline	Offline	Offline	Offline	Offline
	07:15	1	2	Offline	2	Offline	Offline	Offline	Offline	Offline	Offline	Offline	Offline	Offline
	07:30	1	2	Offline	2	Offline	Offline	Offline	Offline	Offline	Offline	Offline	Offline	Offline
	07:45	0	1	Offline	2	Offline	Offline	Offline	Offline	Offline	Offline	Offline	Offline	Offline
	08:00	0	1	Offline	2	Offline	Offline	Offline	Offline	Offline	Offline	Offline	Offline	Offline
	08:15	0	1	Offline	1	Offline	Offline	Offline	Offline	Offline	Offline	Offline	Offline	Offline
	08:30	0	1	0	1	Offline	1	Offline	4	208	38	100	965	0.02
	08:45	0	1	0	0	68	0	Offline	3	159	38	100	965	0.00
	09:00	0	1	0	0	5	0	Offline	3	185	38	100	965	0.01
	09:15	0	1	0	1	Offline	0	14	3	192	38	100	964	0.00
	09:30	0	1	0	0	0	0	8	3	198	38	100	964	0.01
	09:45	0	1	0	0	18	0	1	4	206	38	100	964	0.00
	10:00	0	0	0	0	0	1	0	5	224	39	100	963	0.00
	10:15	0	0	0	0	0	0	0	6	223	39	100	963	0.00
	10:30	0	0	0	0	0	0	0	6	218	39	100	963	0.01
	10:45	0	0	0	0	0	0	0	7	222	40	99	963	0.00
	11:00	0	0	0	0	0	0	0	8	228	40	98	962	0.00
	11:15	0	0	0	0	0	0	0	7	227	40	96	962	0.00
	11:30	0	0	0	0	0	0	0	6	227	40	95	961	0.00
	11:45	0	0	0	0	0	0	1	7	232	41	92	961	0.00
	12:00	0	0	0	0	0	0	0	6	224	41	92	961	0.00
	12:15	0	0	0	0	0	0	0	7	228	41	90	961	0.00
	12:30	0	0	0	0	0	0	0	8	230	40	89	961	0.00
	12:45	0	0	0	0	0	0	0	7	227	40	90	961	0.00
	13:00	0	0	0	0	0	0	0	6	226	40	89	961	0.00
	13:15	0	0	0	0	0	0	0	6	234	40	88	961	0.00
	13:30	0	0	0	0	0	0	0	6	229	39	88	961	0.00
	13:45	0	0	0	1	0	0	0	7	232	39	88	961	0.00
	14:00	0	0	0	0	0	0	0	6	228	39	88	961	0.00
	14:15	0	0	0	0	0	0	0	7	226	39	88	961	0.00
	14:30	0	0	0	0	0	0	0	7	230	38	90	961	0.00
	14:45	0	0	0	0	0	0	0	6	229	37	93	961	0.00
	15:00	0	0	0	0	0	0	0	6	229	36	93	961	0.00
	15:15	0	0	0	0	0	0	0	6	229	36	91	961	0.00
	15:30	0	0	0	0	0	0	0	7	235	36	89	961	0.00
	15:45	0	0	0	0	0	0	0	7	234	36	91	961	0.00
	16:00	0	0	0	0	0	0	0	4	223	35	93	962	0.00
	16:15	0	0	0	0	0	0	0	7	235	35	94	962	0.00
	16:30	0	0	0	0	0	0	0	7	237	34	95	962	0.00
	16:45	0	0	0	0	0	0	0	6	241	34	96	962	0.00
	17:00	0	0	0	0	0	0	0	6	235	34	97	962	0.00
	17:15	0	0	0	0	0	0	0	5	237	34	97	962	0.00
	17:30	0	0	0	0	0	0	0	5	236	34	96	963	0.01
	17:45	0	0	0	0	0	0	0	5	235	34	96	963	0.00
	18:00	0	0	0	0	0	0	0	5	235	34	96	963	0.00
	18:15	0	0	0	0	0	0	0	4	238	34	97	963	0.00
	18:30	2	2	0	2	2	1	2	4	235	33	97	964	0.00
	18:45	3	5	1	3	3	3	5	4	238	33	96	964	0.00
	19:00	5	5	1	4	4	4	5	4	239	33	96	964	0.00
	19:15	1	2	0	1	2	2	2	4	244	33	97	965	0.00
	19:30	1	1	0	0	0	1	1	4	243	33	97	965	0.00
	19:45	1	1	0	0	1	0	1	4	246	33	97	965	0.00
	20:00	1	1	0	1	1	1	1	4	238	33	97	966	0.01
	20:15	2	2	0	1	1	1	2	4	245	33	96	966	0.00
	20:30	2	2	0	2	1	1	2	3	246	33	96	967	0.00
	20:45	2	2	0	2	2	2	2	3	238	33	96	967	0.00
	21:00	2	2	0	2	2	2	2	3	238	33	96	967	0.00
	21:15	2	2	0	2	2	2	2	4	240	33	96	968	0.00
	21:30	2	2	0	1	1	1	2	4	249	33	97	968	0.00
	21:45	2	2	0	2	2	2	3	4	251	33	97	969	0.00
	22:00	3	3	1	3	2	2	3	4	241	33	96	969	0.01
	22:15	3	3	1	3	3	2	3	3	235	33	96	970	0.00
	22:30	3	3	1	3	3	2	4	4	242	33	95	970	0.00
	22:45	3	3	1	3	3	2	4	4	247	33	93	971	0.00
	23:00	3	4	1	3	3	2	4	4	242	34	93	971	0.00
	23:15	4	4	1	4	3	3	5	5	249	34	92	972	0.00
	23:30	5	5	2	5	4	4	5	4	241	34	92	973	0.00
	23:45	5	6	2	5	5	4	6	4	244	34	92	973	0.00
	00:00	7	7	2	6	6	6	8	4	244	34	91	973	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
1/10/2024	00:15	3	7	3	6	6	6	8	4	246	34	91	973	0.00
	00:30	3	8	3	7	7	7	8	4	246	34	91	974	0.00
	00:45	3	9	3	8	7	7	10	4	240	33	91	974	0.00
	01:00	6	10	4	10	10	8	11	3	243	33	91	975	0.00
	01:15	10	16	7	16	16	14	18	3	236	33	91	975	0.00
	01:30	16	24	11	22	18	19	25	4	241	33	91	975	0.00
	01:45	16	21	9	19	21	16	22	3	231	33	91	976	0.00
	02:00	18	24	10	22	23	20	25	4	239	33	90	976	0.00
	02:15	17	24	11	21	20	20	24	4	241	33	90	977	0.00
	02:30	18	22	10	22	20	19	23	4	244	33	89	977	0.00
	02:45	17	23	Offline	22	21	19	24	Offline	Offline	Offline	Offline	Offline	Offline
	03:00	13	19	Offline	17	19	18	21	Offline	Offline	Offline	Offline	Offline	Offline
	03:15	17	22	Offline	22	19	18	23	Offline	Offline	Offline	Offline	Offline	Offline
	03:30	20	25	Offline	24	24	21	26	Offline	Offline	Offline	Offline	Offline	Offline
	03:45	18	25	Offline	23	22	21	26	Offline	Offline	Offline	Offline	Offline	Offline
	04:00	21	25	Offline	25	23	22	27	Offline	Offline	Offline	Offline	Offline	Offline
	04:15	21	28	Offline	27	28	24	30	Offline	Offline	Offline	Offline	Offline	Offline
	04:30	22	27	Offline	25	27	23	28	Offline	Offline	Offline	Offline	Offline	Offline
	04:45	20	25	Offline	23	25	22	27	Offline	Offline	Offline	Offline	Offline	Offline
	05:00	17	24	Offline	22	21	21	25	Offline	Offline	Offline	Offline	Offline	Offline
	05:15	16	21	Offline	20	21	17	22	Offline	Offline	Offline	Offline	Offline	Offline
	05:30	13	20	Offline	18	Offline	17	21	Offline	Offline	Offline	Offline	Offline	Offline
	05:45	13	19	Offline	17	Offline	16	19	Offline	Offline	Offline	Offline	Offline	Offline
	06:00	13	19	Offline	18	Offline	Offline	20	Offline	Offline	Offline	Offline	Offline	Offline
	06:15	Offline	19	Offline	18	Offline	Offline	20	Offline	Offline	Offline	Offline	Offline	Offline
	06:30	Offline	18	Offline	16	Offline	Offline	19	Offline	Offline	Offline	Offline	Offline	Offline
	06:45	Offline	17	Offline	15	Offline	Offline	18	Offline	Offline	Offline	Offline	Offline	Offline
	07:00	Offline	16	Offline	15	Offline	Offline	16	Offline	Offline	Offline	Offline	Offline	Offline
	07:15	Offline	15	Offline	14	Offline	Offline	16	Offline	Offline	Offline	Offline	Offline	Offline
	07:30	Offline	Offline	Offline	12	Offline	Offline	15	Offline	Offline	Offline	Offline	Offline	Offline
	07:45	Offline	Offline	Offline	13	Offline	16	15	Offline	Offline	Offline	Offline	Offline	Offline
	08:00	0	Offline	Offline	12	Offline	Offline	14	Offline	Offline	Offline	Offline	Offline	Offline
	08:15	11	9	4	11	8	0	13	Offline	0	Offline	93	Offline	0.00
	08:30	5	6	3	7	6	9	13	6	250	29	93	983	0.00
	08:45	7	11	4	11	9	7	8	6	243	29	93	983	0.00
	09:00	10	13	5	13	11	10	15	5	244	29	92	983	0.00
	09:15	8	12	5	12	10	10	14	6	245	29	90	984	0.00
	09:30	6	9	3	9	8	9	11	5	238	29	88	984	0.00
	09:45	8	10	4	11	8	9	11	6	239	29	89	984	0.00
	10:00	7	9	3	10	8	9	11	5	229	29	88	984	0.00
	10:15	6	9	3	10	8	8	9	5	232	29	88	984	0.00
	10:30	8	11	5	13	11	11	13	5	221	29	89	984	0.00
	10:45	12	14	6	15	13	12	15	5	223	29	90	984	0.00
	11:00	11	15	6	14	13	13	16	6	234	29	89	984	0.00
	11:15	9	12	5	13	12	11	14	5	236	29	88	983	0.00
	11:30	11	13	6	13	12	13	14	5	233	29	88	983	0.00
	11:45	10	13	5	13	12	12	14	6	233	29	87	983	0.00
	12:00	9	13	5	14	11	13	15	6	217	29	87	983	0.00
	12:15	11	14	6	14	13	12	16	5	233	30	86	983	0.00
	12:30	12	15	7	15	14	14	17	6	220	30	86	983	0.00
	12:45	14	15	7	16	15	15	17	6	224	31	85	983	0.00
	13:00	12	15	6	15	14	14	17	6	217	31	85	983	0.00
	13:15	11	15	6	14	14	13	16	5	225	32	84	982	0.00
	13:30	12	14	6	13	13	15	17	5	235	32	83	982	0.00
	13:45	9	13	6	13	13	12	14	5	219	32	82	982	0.00
	14:00	11	13	5	13	12	15	15	5	227	32	82	982	0.00
	14:15	12	13	5	12	12	12	16	5	214	32	81	982	0.00
	14:30	8	12	5	12	13	12	14	6	215	32	82	982	0.00
	14:45	10	12	5	11	10	13	13	4	194	33	81	982	0.00
	15:00	11	13	6	13	13	12	14	4	206	33	82	982	0.00
	15:15	8	11	4	10	10	10	11	4	192	33	82	981	0.00
	15:30	6	9	4	9	8	9	10	4	187	33	83	981	0.00
	15:45	6	8	3	8	7	8	9	5	201	33	82	981	0.00
	16:00	6	5	4	9	8	8	9	4	195	33	84	981	0.00
	16:15	7	10	4	9	9	9	10	4	185	32	85	981	0.00
	16:30	7	10	4	9	9	8	11	3	189	32	86	981	0.00
	16:45	6	11	4	10	9	9	11	3	185	32	87	980	0.00
	17:00	7	10	4	9	8	8	10	3	178	32	87	980	0.00
	17:15	5	8	3	7	7	8	9	4	175	32	87	980	0.00
	17:30	4	7	2	7	6	6	7	4	176	32	88	980	0.00
	17:45	4	7	2	7	6	6	8	4	168	33	88	980	0.00
	18:00	4	7	2	7	6	6	7	4	154	33	87	980	0.00
	18:15	4	6	2	7	5	6	7	4	158	34	87	979	0.00
	18:30	3	6	2	6	5	6	7	4	161	34	86	979	0.00
	18:45	3	6	2	6	5	6	7	4	166	35	85	980	0.00
	19:00	4	6	2	6	5	5	7	4	174	35	85	980	0.00
	19:15	4	6	2	7	5	6	7	4	181	35	85	979	0.00
	19:30	3	6	2	7	5	6	7	5	200	35	84	980	0.00
	19:45	3	6	2	7	5	6	7	4	207	35	85	980	0.00
	20:00	3	6	2	7	5	5	6	4	203	35	83	980	0.00
	20:15	3	6	2	7	5	5	7	5	200	35	83	980	0.00
	20:30	3	6	2	7	5	6	7	5	198	35	83	980	0.00
	20:45	4	7	2	8	5	7	8	5	203	36	82	979	0.00
	21:00	5	8	3	8	7	7	9	6	202	36	82	979	0.00
	21:15	5	8	3	8	7	7	9	5	198	36	82	979	0.00
	21:30	5	8	3	8	7	7	9	5	198	36	82	979	0.00
	21:45	5	8	3	8	6	7	8	5	209	36	82	979	0.00
	22:00	5	7	3	8	6	7	8	6	206	36	82	978	0.00
	22:15	5	7	3	8	6	7	8	6	202	36	82	979	0.00
	22:30	4	7	3	8	6	7	8	6	202	36	82	978	0.00
	22:45	5	8	3	8	6	7	9	5	205	36	83	978	0.00
	23:00	5	8	3	8	7	7	9	5	207	36	84	978	0.00
	23:15	5	8	3	8	6	7	8	5	195	36	83	978	0.00
	23:30	4	7	3	8	6	7	8	5	198	36	83	978	0.00
	23:45	5	7	3	8	6	7	8	5	199	36	84	978	0.00
	00:00	5	7	2	8	6	7	8	5	208	36	84	978	0.00

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

Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	3	7	2	6	6	6	7	6	211	36	84	978	0.00
	00:30	3	7	2	5	6	6	7	6	219	36	83	978	0.00
	00:45	3	6	2	5	6	5	7	7	219	36	83	978	0.00
	01:00	2	6	2	4	5	5	6	5	216	36	82	978	0.00
	01:15	1	5	2	4	5	4	5	6	235	37	82	978	0.00
	01:30	2	5	2	4	4	4	5	5	231	37	81	979	0.00
	01:45	2	5	2	4	4	5	5	6	237	37	80	979	0.00
	02:00	1	5	2	4	4	4	5	6	234	37	79	979	0.00
	02:15	1	4	2	3	4	4	5	6	232	37	79	980	0.00
	02:30	1	4	2	4	4	4	5	7	230	37	79	980	0.00
	02:45	2	5	2	4	5	4	5	5	224	37	80	980	0.00
	03:00	2	6	2	5	6	6	7	5	226	37	80	981	0.00
	03:15	3	6	2	5	6	6	7	4	223	37	82	981	0.00
	03:30	4	7	3	6	6	6	7	5	233	37	81	981	0.00
	03:45	3	6	3	5	6	6	7	5	234	37	82	981	0.00
	04:00	3	7	3	6	6	6	7	5	239	36	83	981	0.00
	04:15	3	7	3	5	6	6	7	5	235	36	84	982	0.00
	04:30	5	7	3	6	7	7	8	5	239	36	83	982	0.00
	04:45	3	7	3	6	7	6	8	4	245	36	84	982	0.00
	05:00	4	8	3	6	7	6	8	3	238	35	84	982	0.00
	05:15	5	9	3	7	9	7	9	3	235	35	85	982	0.00
	05:30	6	9	3	8	8	8	10	5	236	34	85	983	0.00
	05:45	5	8	3	7	9	8	9	4	237	34	86	984	0.00
	06:00	4	8	3	7	8	7	8	4	238	34	88	984	0.00
	06:15	5	8	3	7	8	7	9	4	240	34	88	984	0.00
	06:30	6	9	4	8	8	8	9	4	245	34	86	985	0.00
	06:45	6	10	4	8	9	8	10	3	242	34	86	985	0.00
	07:00	6	10	4	9	10	9	11	3	251	33	86	986	0.00
	07:15	8	11	5	10	12	10	12	3	227	33	87	986	0.00
	07:30	7	12	5	10	13	11	14	2	241	33	87	986	0.00
	07:45	6	9	3	10	13	10	13	2	229	33	87	987	0.00
	08:00	11	13	5	11	9	12	14	2	237	33	87	987	0.00
	08:15	12	14	6	14	14	9	11	2	231	33	87	988	0.00
	08:30	12	15	6	15	15	14	16	2	231	33	87	988	0.00
	08:45	14	16	7	16	18	16	20	2	235	33	86	989	0.00
	09:00	14	16	7	16	17	14	19	2	236	33	86	989	0.00
	09:15	13	17	7	16	17	14	19	2	234	34	86	989	0.00
	09:30	15	18	8	17	17	17	19	2	241	34	86	989	0.00
	09:45	16	20	9	18	18	18	20	3	232	34	86	990	0.00
	10:00	16	18	8	18	18	15	19	3	236	34	85	990	0.00
	10:15	15	19	8	18	17	17	20	3	232	34	85	990	0.00
	10:30	14	16	7	17	18	17	18	3	234	34	86	990	0.00
	10:45	16	18	8	17	18	16	19	3	229	34	87	991	0.00
	11:00	13	16	7	16	16	15	19	3	234	34	84	991	0.00
	11:15	13	16	7	15	16	16	18	3	231	34	84	990	0.00
	11:30	15	17	7	16	16	15	18	3	240	34	85	990	0.00
	11:45	14	17	7	17	16	17	18	4	238	34	85	990	0.00
1/11/2024	12:00	13	17	8	17	19	17	19	3	233	34	84	990	0.00
	12:15	16	17	8	17	16	16	20	2	255	34	83	990	0.00
	12:30	16	19	9	18	19	19	22	2	246	35	82	990	0.00
	12:45	15	17	9	18	18	17	20	2	242	35	83	990	0.00
	13:00	17	18	7	17	17	17	19	2	238	36	82	990	0.00
	13:15	14	18	9	18	18	17	21	3	219	35	83	991	0.00
	13:30	14	17	8	19	18	19	19	3	219	35	83	991	0.00
	13:45	16	17	8	15	16	17	18	3	187	36	82	991	0.00
	14:00	13	16	6	14	15	14	17	3	200	36	83	990	0.00
	14:15	12	15	7	15	15	16	16	2	158	36	82	990	0.00
	14:30	12	13	6	13	13	13	16	3	134	36	83	990	0.00
	14:45	11	14	6	15	14	14	17	3	92	37	82	990	0.00
	15:00	12	14	7	15	16	14	16	3	129	36	83	990	0.00
	15:15	12	14	7	13	13	13	15	3	126	36	83	990	0.00
	15:30	9	13	5	12	12	11	14	2	96	37	84	990	0.00
	15:45	10	13	5	12	12	11	13	3	82	36	85	990	0.00
	16:00	10	13	5	12	13	10	13	3	123	36	86	990	0.00
	16:15	9	12	6	14	12	10	13	3	114	36	87	990	0.00
	16:30	9	12	5	12	12	11	13	3	125	36	87	990	0.00
	16:45	9	12	5	11	11	10	13	3	118	35	88	990	0.00
	17:00	9	12	5	12	11	10	13	3	88	35	90	990	0.00
	17:15	10	14	6	13	13	11	15	3	61	35	90	990	0.00
	17:30	9	12	5	11	12	10	13	3	53	35	90	990	0.00
	17:45	9	12	5	11	12	10	13	4	59	34	91	989	0.00
	18:00	10	12	5	12	12	11	13	3	82	35	90	989	0.00
	18:15	9	13	5	12	12	11	14	5	66	35	90	989	0.00
	18:30	10	13	5	12	12	10	13	5	94	35	89	989	0.00
	18:45	9	12	5	11	11	10	13	5	83	35	89	989	0.00
	19:00	8	12	5	11	11	11	13	6	95	35	90	989	0.00
	19:15	9	12	5	11	12	11	13	5	91	35	90	989	0.00
	19:30	9	12	5	11	12	10	13	5	94	35	90	989	0.00
	19:45	8	12	5	10	12	10	13	5	96	35	91	989	0.00
	20:00	8	11	4	10	11	10	12	6	99	35	91	988	0.00
	20:15	8	11	4	10	10	10	12	5	109	36	90	989	0.00
	20:30	8	11	5	11	11	9	12	6	100	36	91	988	0.00
	20:45	8	12	5	11	11	10	13	5	116	36	91	989	0.00
	21:00	9	12	5	11	12	10	12	5	103	36	91	988	0.00
	21:15	8	12	4	10	12	10	12	6	95	36	91	988	0.00
	21:30	7	11	4	10	11	9	12	8	95	36	91	987	0.00
	21:45	8	10	4	10	10	9	11	8	94	36	90	987	0.00
	22:00	7	10	4	9	9	9	10	9	91	37	90	986	0.00
	22:15	6	9	3	9	9	8	10	8	102	37	89	985	0.00
	22:30	7	9	4	9	9	8	10	8	92	37	89	985	0.00
	22:45	6	10	4	9	10	9	11	7	98	37	92	985	0.01
	23:00	9	11	4	12	11	10	12	10	86	36	94	984	0.03
	23:15	7	10	4	11	10	9	12	9	79	36	94	984	0.05
	23:30	9	12	5	14	12	10	13	5	22	36	95	984	0.01
	23:45	12	16	7	16	16	13	17	6	30	35	95	984	0.00
	00:00	12	14	6	14	14	13	15	5	25	35	95	983	0.01

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	6	13	6	12	13	11	13	4	44	36	93	983	0.00
	00:30	2	11	5	11	10	8	11	9	87	37	93	983	0.05
	00:45	3	11	5	10	10	9	11	11	85	36	94	982	0.03
	01:00	2	11	4	12	11	9	10	13	94	36	94	981	0.02
	01:15	3	11	5	10	10	9	11	12	86	36	94	981	0.00
	01:30	2	11	4	11	10	8	11	12	86	36	94	980	0.02
	01:45	2	11	5	11	10	9	10	12	90	36	95	980	0.01
	02:00	3	11	5	13	12	11	12	11	91	36	94	980	0.00
	02:15	4	12	5	13	12	10	13	9	102	36	93	980	0.00
	02:30	4	13	6	12	12	11	13	9	90	36	93	979	0.00
	02:45	4	12	5	13	13	10	11	8	106	36	95	979	0.01
	03:00	4	13	5	13	11	10	13	7	121	36	96	979	0.01
	03:15	4	13	6	13	12	10	12	6	130	36	97	979	0.02
	03:30	4	12	5	13	11	11	13	7	106	36	97	979	0.03
	03:45	3	12	5	13	12	10	11	7	109	36	98	978	0.06
	04:00	2	10	4	11	10	9	11	6	124	36	99	978	0.02
	04:15	1	9	4	8	8	8	9	45	138	37	99	978	0.02
	04:30	0	8	3	8	7	7	8	49	139	38	99	977	0.03
	04:45	0	8	3	7	8	7	8	57	134	38	99	977	0.05
	05:00	0	7	3	6	6	6	7	122	334	38	99	975	0.04
	05:15	0	5	2	5	5	5	5	34	117	38	100	975	0.00
	05:30	0	6	2	5	5	5	5	16	94	38	100	974	0.00
	05:45	0	5	2	6	5	5	5	9	100	38	99	974	0.01
	06:00	0	7	3	7	7	6	6	11	94	38	99	973	0.00
	06:15	0	8	3	7	7	6	8	7	104	38	100	973	0.00
	06:30	0	6	2	5	5	5	5	5	127	38	100	974	0.00
	06:45	0	4	1	4	4	3	4	7	112	39	100	973	0.00
	07:00	0	3	1	4	3	3	3	7	105	40	100	973	0.00
	07:15	0	3	1	4	3	3	3	7	107	40	100	972	0.00
	07:30	0	4	1	4	4	3	4	7	110	39	100	972	0.00
	07:45	1	3	2	5	4	4	4	7	111	39	99	972	0.00
	08:00	3	5	1	3	3	4	4	5	122	39	99	972	0.00
	08:15	4	6	2	6	4	4	4	6	96	39	100	971	0.00
	08:30	5	7	2	6	6	6	7	5	104	39	100	970	0.00
	08:45	5	7	3	6	6	6	8	6	113	39	100	970	0.00
	09:00	5	7	3	7	6	6	8	5	129	39	100	970	0.00
	09:15	5	7	3	7	6	7	8	5	133	39	100	970	0.00
	09:30	5	7	3	7	6	6	8	4	139	39	100	969	0.00
	09:45	6	8	3	9	7	7	8	4	140	40	100	969	0.00
	10:00	6	8	3	8	7	7	9	3	139	40	100	969	0.01
	10:15	6	8	3	10	7	7	9	3	138	41	100	968	0.00
	10:30	7	9	3	10	9	8	9	3	141	41	100	968	0.01
	10:45	6	8	3	8	8	8	9	3	142	43	100	967	0.00
	11:00	5	7	3	7	7	6	8	3	138	43	100	967	0.00
	11:15	5	7	3	7	6	6	7	2	148	44	100	966	0.01
	11:30	5	7	3	7	7	6	8	2	161	44	100	966	0.01
	11:45	4	6	2	6	6	6	7	3	181	44	100	966	0.01
1/12/2024	12:00	2	3	1	5	4	4	5	4	170	45	100	965	0.02
	12:15	1	3	1	3	3	3	4	4	185	45	100	964	0.00
	12:30	1	3	1	2	3	3	4	5	196	46	100	963	0.02
	12:45	1	2	1	2	3	3	4	6	208	46	100	963	0.03
	13:00	1	2	1	2	2	3	4	4	186	46	100	963	0.04
	13:15	1	3	1	2	2	4	5	5	227	46	99	963	0.03
	13:30	1	3	1	3	3	4	5	7	223	46	97	964	0.03
	13:45	0	0	0	2	0	1	1	8	227	43	95	964	0.01
	14:00	0	0	0	2	0	0	0	7	225	41	93	964	0.00
	14:15	0	0	0	0	0	1	1	8	226	40	92	964	0.00
	14:30	0	0	0	1	0	1	1	10	237	38	91	964	0.00
	14:45	0	0	0	1	0	0	0	8	235	37	92	965	0.00
	15:00	0	0	0	0	0	0	0	7	232	37	91	965	0.00
	15:15	0	0	0	0	0	0	0	7	230	36	88	966	0.00
	15:30	0	0	0	0	0	0	0	8	236	35	89	966	0.00
	15:45	1	2	0	1	1	1	2	8	237	34	90	967	0.00
	16:00	7	9	3	9	8	7	9	8	241	32	91	967	0.00
	16:15	15	15	7	15	15	12	16	8	239	31	90	968	0.00
	16:30	23	23	11	23	22	19	24	8	244	30	90	968	0.00
	16:45	29	31	15	30	30	27	34	7	242	29	90	969	0.00
	17:00	30	33	15	32	30	27	35	9	245	28	90	969	0.00
	17:15	30	35	16	34	30	29	35	9	245	27	90	970	0.00
	17:30	30	32	15	31	30	29	33	9	247	26	89	970	0.00
	17:45	29	30	14	30	30	25	30	8	247	25	89	970	0.00
	18:00	25	28	12	25	28	24	29	8	247	25	89	970	0.00
	18:15	23	24	12	27	24	21	26	10	246	24	88	971	0.00
	18:30	21	25	11	25	22	19	24	9	246	24	86	971	0.00
	18:45	21	23	11	23	22	20	24	8	246	24	85	971	0.00
	19:00	24	24	11	22	23	20	24	8	247	23	85	971	0.00
	19:15	20	23	11	21	21	19	21	10	246	22	84	972	0.00
	19:30	18	19	9	19	19	17	20	9	244	22	85	972	0.00
	19:45	19	20	9	19	18	16	20	10	247	21	83	972	0.00
	20:00	15	19	8	17	17	15	18	9	248	21	83	972	0.00
	20:15	16	19	8	17	16	14	18	10	246	21	83	973	0.00
	20:30	15	19	8	16	15	15	18	9	247	21	83	973	0.00
	20:45	16	17	8	16	16	14	16	8	248	20	83	973	0.00
	21:00	14	18	8	17	16	15	18	9	245	20	82	973	0.00
	21:15	15	17	8	Offline	14	13	16	10	246	20	81	974	0.00
	21:30	15	17	7	Offline	15	13	15	9	242	20	83	974	0.00
	21:45	14	16	7	Offline	14	12	15	8	244	20	82	974	0.00
	22:00	14	17	7	Offline	15	14	15	9	243	19	82	974	0.00
	22:15	14	16	7	Offline	13	12	15	9	243	19	84	975	0.00
	22:30	15	17	7	Offline	14	13	16	9	249	19	85	975	0.00
	22:45	14	16	6	Offline	15	13	16	8	245	18	86	975	0.00
	23:00	15	17	7	Offline	14	14	16	9	246	18	86	976	0.00
	23:15	17	17	7	Offline	14	13	16	8	246	18	82	976	0.00
	23:30	14	16	7	Offline	14	13	14	7	248	18	84	976	0.00
	23:45	13	16	7	Offline	14	13	15	8	243	18	84	976	0.00
	00:00	14	16	7	Offline	15	12	14	7	242	17	82	977	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	13	14	7	Offline	13	12	15	9	246	17	82	977	0.00
	00:30	12	14	6	Offline	13	12	15	9	241	17	83	977	0.00
	00:45	13	13	5	Offline	14	12	15	7	245	17	83	977	0.00
	01:00	12	14	6	Offline	12	11	15	7	242	17	84	977	0.00
	01:15	11	13	6	Offline	12	13	15	8	245	17	83	978	0.00
	01:30	12	13	6	Offline	12	11	15	6	242	17	83	978	0.00
	01:45	13	13	6	Offline	13	11	15	7	244	17	82	978	0.00
	02:00	11	13	5	Offline	13	11	14	7	242	17	81	979	0.00
	02:15	12	13	5	Offline	12	11	14	7	246	17	82	979	0.00
	02:30	12	13	6	Offline	13	12	13	7	244	17	82	979	0.00
	02:45	10	13	5	Offline	12	12	14	6	245	17	83	979	0.00
	03:00	12	13	6	Offline	12	11	14	7	243	17	83	980	0.00
	03:15	12	13	6	Offline	12	11	14	6	244	17	83	980	0.00
	03:30	11	13	6	Offline	13	12	14	6	248	17	83	980	0.00
	03:45	11	13	5	Offline	13	11	14	5	243	17	84	980	0.00
	04:00	13	13	6	Offline	12	11	14	6	250	17	84	981	0.00
	04:15	12	13	6	Offline	13	11	15	6	248	17	83	981	0.00
	04:30	12	14	6	Offline	12	13	14	6	248	17	83	981	0.00
	04:45	13	14	6	Offline	13	12	15	5	248	17	82	982	0.00
	05:00	13	13	6	Offline	13	11	15	5	247	17	81	982	0.00
	05:15	12	14	6	Offline	13	13	15	5	250	17	80	983	0.00
	05:30	14	14	7	Offline	13	12	15	6	245	16	81	983	0.00
	05:45	13	14	6	Offline	14	12	15	5	249	16	82	984	0.00
	06:00	11	14	6	Offline	13	11	14	5	257	16	82	984	0.00
	06:15	12	14	6	Offline	13	11	15	6	249	16	80	984	0.00
	06:30	12	13	5	Offline	12	13	14	5	249	15	82	985	0.00
	06:45	12	13	6	Offline	14	12	15	5	250	15	80	985	0.00
	07:00	11	13	5	Offline	12	11	15	5	251	15	83	986	0.00
	07:15	14	13	6	Offline	12	11	13	6	252	14	80	986	0.00
	07:30	11	12	6	Offline	12	11	13	6	248	14	80	986	0.00
	07:45	11	12	5	Offline	13	12	13	5	251	14	80	987	0.00
	08:00	11	12	5	Offline	10	9	13	5	251	14	79	987	0.00
	08:15	9	12	5	0	10	10	12	6	246	14	80	987	0.00
	08:30	9	11	5	9	11	11	12	6	256	15	78	987	0.00
	08:45	10	11	5	9	11	9	12	5	252	15	80	988	0.00
	09:00	8	10	5	11	10	9	12	4	248	16	79	988	0.00
	09:15	10	11	5	12	10	10	12	5	242	16	79	988	0.00
	09:30	11	11	5	12	12	10	11	5	247	16	78	988	0.00
	09:45	9	11	5	12	10	9	13	5	249	17	77	989	0.00
	10:00	11	12	5	14	10	11	12	5	249	18	76	989	0.00
	10:15	11	11	5	13	11	12	13	6	252	18	77	989	0.00
	10:30	11	12	5	13	10	9	12	5	252	18	77	989	0.00
	10:45	11	10	5	14	12	11	13	4	253	19	76	989	0.00
	11:00	10	10	4	11	10	11	11	5	244	19	77	990	0.00
	11:15	11	11	5	13	11	11	12	5	249	19	77	989	0.00
	11:30	10	11	5	12	10	9	12	4	248	20	76	989	0.00
	11:45	10	11	5	13	10	10	12	6	242	19	77	989	0.00
1/13/2024	12:00	10	11	5	13	10	11	12	7	245	19	77	989	0.00
	12:15	9	10	4	11	10	11	11	5	246	20	76	989	0.00
	12:30	10	10	4	12	11	10	11	5	245	20	77	988	0.00
	12:45	10	10	4	13	8	10	12	4	255	21	76	989	0.00
	13:00	10	10	4	13	11	10	12	6	248	20	78	989	0.00
	13:15	11	11	5	12	10	11	12	6	242	19	79	989	0.00
	13:30	9	10	4	12	10	9	10	5	245	19	79	990	0.00
	13:45	11	12	4	14	10	11	13	6	244	18	81	990	0.00
	14:00	9	11	5	13	12	10	12	4	256	18	83	990	0.00
	14:15	9	10	4	12	9	9	11	3	256	17	86	990	0.00
	14:30	10	10	4	12	9	9	10	5	251	16	87	990	0.00
	14:45	7	9	4	11	9	8	10	4	249	16	90	991	0.00
	15:00	8	10	4	13	10	9	11	3	250	16	90	991	0.00
	15:15	9	10	4	12	9	8	11	5	245	15	89	991	0.00
	15:30	8	9	4	10	9	9	11	4	254	15	89	992	0.00
	15:45	7	9	4	10	8	8	10	3	254	14	91	992	0.00
	16:00	9	9	4	11	8	8	10	5	254	14	90	992	0.00
	16:15	7	9	4	10	9	9	10	5	249	13	90	992	0.00
	16:30	9	9	4	10	9	9	11	5	246	13	91	993	0.00
	16:45	7	9	4	9	9	8	10	4	249	12	91	993	0.00
	17:00	8	9	4	10	9	8	11	4	255	12	92	993	0.00
	17:15	9	9	4	10	8	9	10	4	252	11	92	993	0.00
	17:30	7	10	4	10	8	9	10	4	256	11	91	993	0.00
	17:45	7	9	3	8	9	7	9	3	250	11	91	993	0.00
	18:00	8	8	4	8	7	7	9	4	248	10	91	994	0.00
	18:15	8	9	4	9	8	8	10	4	248	10	91	994	0.00
	18:30	8	10	4	10	9	7	11	5	249	10	91	994	0.00
	18:45	10	10	4	9	9	9	10	4	241	10	91	994	0.00
	19:00	10	12	5	13	12	11	13	4	240	9	90	994	0.00
	19:15	13	13	5	12	10	12	12	5	247	9	90	995	0.00
	19:30	10	11	5	13	11	9	13	5	247	9	90	995	0.00
	19:45	13	13	5	12	13	13	13	4	245	9	89	995	0.00
	20:00	12	13	5	12	11	11	13	5	247	8	89	995	0.00
	20:15	33	38	16	42	36	29	36	4	252	8	88	995	0.00
	20:30	77	69	35	69	59	61	64	4	247	8	87	996	0.00
	20:45	24	33	13	32	28	23	29	3	244	7	87	996	0.00
	21:00	18	18	8	15	15	18	18	4	244	7	87	996	0.00
	21:15	10	14	6	14	14	12	14	4	245	7	87	996	0.00
	21:30	11	12	4	12	11	9	13	4	241	7	89	996	0.00
	21:45	11	13	5	12	11	10	13	4	239	7	89	996	0.00
	22:00	11	13	5	14	12	14	14	5	243	6	87	996	0.00
	22:15	15	15	7	15	15	12	17	4	246	5	87	997	0.00
	22:30	12	14	5	12	12	12	14	4	236	4	88	997	0.00
	22:45	16	15	7	18	17	14	18	6	237	3	85	997	0.00
	23:00	17	17	7	19	17	17	17	5	234	3	84	997	0.00
	23:15	14	15	6	15	13	14	16	5	243	2	86	997	0.00
	23:30	13	16	6	17	16	13	17	4	232	2	83	998	0.00
	23:45	15	17	7	17	16	15	17	5	239	0	83	998	0.00
	00:00	15	16	6	15	13	14	14	5	239	-1	82	998	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
1/14/2024	00:15	13	14	6	14	13	14	15	5	234	-1	82	998	0.00
	00:30	12	12	6	12	13	12	13	5	239	-2	83	998	0.00
	00:45	9	12	5	14	10	10	13	5	231	-2	82	998	0.00
	01:00	11	13	6	14	13	12	13	5	230	-2	81	999	0.00
	01:15	11	12	5	10	10	11	11	4	234	-3	82	999	0.00
	01:30	9	11	4	13	10	9	12	4	230	-3	80	999	0.00
	01:45	36	43	21	41	34	27	31	4	239	-3	80	999	0.00
	02:00	16	18	7	14	15	18	17	4	232	-3	83	999	0.00
	02:15	15	17	7	20	15	13	15	4	228	-3	83	999	0.00
	02:30	18	21	9	18	16	21	21	4	234	-3	82	999	0.00
	02:45	8	11	4	11	12	9	11	4	230	-3	81	999	0.00
	03:00	10	12	5	13	8	11	12	4	235	-4	79	1000	0.00
	03:15	10	10	4	10	11	11	11	3	228	-4	80	1000	0.00
	03:30	8	11	4	11	9	9	11	4	237	-4	81	1000	0.00
	03:45	9	10	4	10	9	9	10	5	236	-5	80	1000	0.00
	04:00	10	12	5	12	11	11	12	4	239	-5	81	1000	0.00
	04:15	8	10	4	13	9	9	11	5	243	-5	79	1000	0.00
	04:30	60	62	29	68	66	56	68	4	241	-6	76	1001	0.00
	04:45	42	43	19	43	51	59	60	5	246	-7	75	1001	0.00
	05:00	29	30	13	25	29	30	31	4	239	-7	78	1001	0.00
	05:15	15	19	7	21	16	14	18	4	241	-7	77	1001	0.00
	05:30	12	15	6	14	13	13	14	4	242	-8	80	1002	0.00
	05:45	10	10	4	10	9	9	10	5	245	-8	75	1002	0.00
	06:00	9	11	4	12	10	10	11	4	240	-9	74	1002	0.00
	06:15	13	15	6	16	13	12	13	4	241	-9	76	1002	0.00
	06:30	11	12	5	12	10	10	11	5	233	-9	75	1003	0.00
	06:45	9	12	4	12	11	10	12	4	240	-9	77	1003	0.00
	07:00	10	11	4	11	9	10	10	5	236	-10	76	1003	0.00
	07:15	9	11	4	12	12	9	12	4	239	-10	77	1003	0.00
	07:30	8	10	4	12	9	10	10	4	232	-10	80	1003	0.00
	07:45	10	12	4	11	12	9	12	5	237	-10	76	1004	0.00
	08:00	10	11	4	13	11	11	12	4	239	-10	75	1004	0.00
	08:15	10	11	4	13	11	11	12	4	241	-9	73	1004	0.00
	08:30	12	13	5	14	13	13	14	4	229	-9	73	1004	0.00
	08:45	21	20	9	24	18	13	16	5	239	-9	72	1004	0.00
	09:00	16	18	7	16	19	21	21	5	238	-8	71	1005	0.00
	09:15	9	10	4	11	11	10	11	6	235	-8	68	1005	0.00
	09:30	7	9	4	11	10	9	10	4	234	-7	66	1005	0.00
	09:45	7	9	4	10	11	9	10	5	235	-6	67	1005	0.00
	10:00	7	9	4	10	10	9	10	6	234	-7	69	1005	0.00
	10:15	8	10	4	10	10	9	11	5	232	-7	68	1005	0.00
	10:30	8	11	4	11	11	10	11	5	236	-5	66	1005	0.00
	10:45	9	10	4	12	11	10	12	5	236	-5	67	1005	0.00
	11:00	8	10	4	10	10	10	11	6	236	-5	67	1005	0.00
	11:15	8	10	4	11	9	9	10	6	233	-6	68	1005	0.00
	11:30	8	10	4	11	9	9	10	6	237	-6	67	1005	0.00
	11:45	8	10	4	11	9	9	11	7	232	-5	68	1005	0.00
	12:00	8	10	4	11	9	9	10	6	233	-5	68	1005	0.00
	12:15	7	10	4	11	9	9	10	7	234	-5	68	1005	0.00
	12:30	8	10	4	10	9	9	10	4	232	-3	67	1005	0.00
	12:45	8	10	4	10	9	9	10	5	228	-3	66	1005	0.00
	13:00	8	10	4	10	9	8	10	5	233	-3	68	1005	0.00
	13:15	8	10	4	10	9	8	10	5	232	-3	67	1005	0.00
	13:30	8	10	4	10	9	9	10	5	233	-3	67	1005	0.00
	13:45	8	10	4	10	9	9	10	6	231	-3	68	1005	0.00
	14:00	8	10	4	9	9	9	10	5	231	-2	68	1005	0.00
	14:15	8	10	4	10	9	9	10	5	229	-3	68	1005	0.00
	14:30	8	9	4	10	9	9	10	4	230	-2	68	1005	0.00
	14:45	8	10	4	10	9	9	10	4	227	-2	69	1005	0.00
	15:00	8	10	4	10	10	9	10	4	240	-2	68	1004	0.00
	15:15	12	14	6	15	12	11	12	3	232	-2	67	1004	0.00
	15:30	20	22	9	21	20	20	21	3	230	-2	68	1004	0.00
	15:45	11	14	6	12	13	13	14	3	233	-1	68	1004	0.00
	16:00	10	12	5	12	10	10	11	3	232	-1	69	1005	0.00
	16:15	11	14	5	14	12	12	13	3	230	-1	69	1005	0.00
	16:30	11	13	5	14	12	12	13	3	226	-2	69	1005	0.00
	16:45	12	15	6	15	14	14	15	3	224	-2	71	1005	0.00
	17:00	10	12	5	13	11	11	12	4	233	-2	70	1005	0.00
	17:15	9	11	4	10	7	10	11	3	226	-2	69	1005	0.00
	17:30	9	11	4	11	9	10	11	2	225	-2	70	1005	0.00
	17:45	9	11	4	12	10	11	12	3	229	-3	71	1005	0.00
	18:00	10	10	4	10	11	11	10	2	237	-3	71	1005	0.00
	18:15	11	12	4	13	8	10	12	3	223	-3	70	1005	0.00
	18:30	11	11	5	12	11	9	11	2	228	-3	70	1005	0.00
	18:45	9	10	4	10	9	10	11	2	227	-3	71	1005	0.00
	19:00	9	11	4	12	9	10	11	3	230	-3	71	1005	0.00
	19:15	9	11	4	11	10	9	10	3	230	-3	70	1005	0.00
	19:30	9	9	4	9	8	9	11	3	229	-3	70	1005	0.00
	19:45	9	11	4	12	9	10	11	2	229	-3	70	1005	0.00
	20:00	10	12	4	11	10	10	11	2	227	-2	70	1005	0.00
	20:15	29	30	13	31	29	24	28	2	230	-2	69	1005	0.00
	20:30	84	81	38	89	90	86	97	3	222	-3	70	1005	0.00
	20:45	61	50	29	64	42	51	47	3	234	-3	70	1005	0.00
	21:00	32	35	16	29	31	38	30	3	231	-3	70	1005	0.00
	21:15	16	18	8	17	15	16	17	3	231	-3	70	1005	0.00
	21:30	12	14	6	14	13	10	14	2	227	-3	71	1005	0.00
	21:45	10	10	4	11	9	11	12	2	226	-3	72	1005	0.00
	22:00	7	11	5	13	10	11	10	3	231	-3	70	1005	0.00
	22:15	11	12	6	11	12	12	13	3	234	-3	71	1005	0.00
	22:30	12	13	4	14	10	12	13	3	227	-3	71	1005	0.00
	22:45	26	27	11	29	19	16	19	3	237	-3	71	1005	0.00
	23:00	19	24	12	20	19	18	20	3	228	-3	72	1005	0.00
	23:15	12	15	7	15	11	16	16	3	225	-3	73	1005	0.00
	23:30	26	29	10	24	23	15	21	3	223	-4	73	1005	0.00
	23:45	25	23	12	26	16	20	23	2	236	-4	74	1005	0.00
	00:00	8	15	5	11	13	12	12	2	234	-4	75	1005	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	12	13	5	15	10	11	13	2	236	-4	74	1005	0.00
	00:30	13	12	4	11	13	14	13	2	231	-5	74	1005	0.00
	00:45	11	12	5	13	11	10	14	2	231	-5	75	1005	0.00
	01:00	11	11	4	9	12	12	12	2	233	-5	75	1005	0.00
	01:15	11	11	4	11	9	10	12	2	231	-5	76	1005	0.00
	01:30	10	11	5	11	12	11	12	3	238	-5	76	1005	0.00
	01:45	18	16	6	16	16	16	19	2	232	-5	76	1005	0.00
	02:00	41	33	15	33	38	26	35	2	237	-5	76	1005	0.00
	02:15	16	22	8	18	17	19	21	2	227	-5	76	1005	0.00
	02:30	37	33	16	40	39	34	34	2	232	-5	75	1005	0.00
	02:45	31	35	14	26	24	25	31	2	229	-6	76	1005	0.00
	03:00	10	11	5	12	12	12	11	2	234	-6	76	1005	0.00
	03:15	13	11	4	11	10	8	12	2	238	-6	76	1005	0.00
	03:30	11	16	7	14	14	13	12	2	234	-6	77	1004	0.00
	03:45	11	10	4	12	9	8	12	2	239	-6	77	1004	0.00
	04:00	11	12	4	10	12	11	10	2	239	-6	76	1004	0.00
	04:15	9	10	4	12	9	9	12	2	236	-6	76	1004	0.00
	04:30	12	12	4	10	13	10	10	2	235	-6	76	1005	0.00
	04:45	13	11	4	13	10	12	13	2	234	-6	75	1005	0.00
	05:00	9	13	5	10	12	9	11	2	241	-7	76	1005	0.00
	05:15	12	11	4	12	10	12	13	2	251	-7	75	1005	0.00
	05:30	10	12	4	10	12	10	11	2	244	-7	76	1005	0.00
	05:45	10	11	5	11	10	10	13	2	233	-7	76	1005	0.00
	06:00	13	13	4	13	13	12	11	2	230	-7	75	1005	0.00
	06:15	11	12	5	11	10	10	12	3	234	-7	75	1005	0.00
	06:30	12	12	4	14	11	11	12	3	232	-7	75	1006	0.00
	06:45	18	17	7	14	16	13	16	2	233	-7	77	1006	0.00
	07:00	14	17	7	19	14	17	19	2	239	-7	77	1006	0.00
	07:15	15	16	5	13	15	13	14	2	235	-7	77	1005	0.00
	07:30	11	12	5	12	12	13	15	2	237	-7	78	1005	0.00
	07:45	14	14	5	14	14	11	13	2	238	-7	77	1005	0.00
	08:00	11	13	5	12	12	11	13	2	239	-6	76	1005	0.00
	08:15	14	14	5	14	13	12	15	2	235	-5	73	1005	0.00
	08:30	15	13	6	14	14	15	16	2	231	-4	71	1005	0.00
	08:45	15	14	6	15	15	15	14	3	229	-4	71	1005	0.00
	09:00	15	15	6	15	12	12	15	3	228	-4	70	1006	0.00
	09:15	16	16	7	15	16	15	17	3	230	-2	68	1006	0.00
	09:30	15	15	6	15	16	15	16	2	236	-1	66	1006	0.00
	09:45	14	14	6	16	16	14	16	3	228	0	64	1006	0.00
	10:00	24	22	11	27	28	23	28	3	229	1	64	1006	0.00
	10:15	17	18	8	20	22	21	23	3	229	1	63	1005	0.00
	10:30	20	21	10	25	27	23	27	4	221	1	62	1005	0.00
	10:45	17	17	8	19	24	21	24	3	241	3	61	1005	0.00
	11:00	21	19	8	18	26	24	26	3	245	3	64	1005	0.00
	11:15	13	13	6	13	16	15	16	3	250	4	61	1004	0.00
	11:30	10	11	5	11	12	11	12	3	230	4	64	1004	0.00
	11:45	10	10	5	10	11	10	11	3	239	4	63	1004	0.00
1/15/2024	12:00	10	10	5	9	11	10	11	2	234	4	65	1004	0.00
	12:15	10	10	5	9	11	10	11	2	286	4	65	1003	0.00
	12:30	9	9	4	8	10	9	10	2	257	5	63	1003	0.00
	12:45	9	9	4	9	9	9	10	2	242	6	62	1003	0.00
	13:00	9	9	4	9	9	8	10	3	239	6	63	1003	0.00
	13:15	9	10	4	9	9	8	10	2	302	6	62	1002	0.00
	13:30	9	9	4	10	9	9	10	2	256	6	63	1002	0.00
	13:45	9	9	4	9	9	9	10	3	202	6	64	1002	0.00
	14:00	9	9	4	9	9	9	10	3	215	6	63	1002	0.00
	14:15	8	9	4	9	9	8	9	3	227	7	62	1002	0.00
	14:30	8	9	4	9	8	8	9	3	230	8	61	1002	0.00
	14:45	8	9	4	9	9	8	9	3	239	8	64	1002	0.00
	15:00	8	9	4	9	9	8	10	3	244	8	64	1002	0.00
	15:15	9	9	4	9	9	9	10	3	250	7	64	1003	0.00
	15:30	9	9	4	8	9	9	10	3	235	7	67	1003	0.00
	15:45	12	12	6	11	12	12	13	3	239	7	68	1003	0.00
	16:00	21	20	9	21	20	17	20	3	236	7	68	1003	0.00
	16:15	21	22	10	21	23	23	25	3	238	7	69	1003	0.00
	16:30	15	17	8	16	16	15	16	2	239	8	70	1003	0.00
	16:45	11	12	5	11	11	11	12	2	237	8	69	1003	0.00
	17:00	10	10	4	10	10	10	11	2	246	8	70	1002	0.00
	17:15	10	10	5	9	8	9	11	2	245	8	70	1002	0.00
	17:30	10	9	4	9	10	10	11	2	243	7	68	1002	0.00
	17:45	9	9	4	9	9	9	10	2	258	7	67	1002	0.00
	18:00	9	10	4	10	10	9	10	2	249	7	68	1002	0.00
	18:15	10	10	4	11	10	9	11	2	233	7	68	1002	0.00
	18:30	10	11	5	10	11	9	11	2	248	7	68	1002	0.00
	18:45	11	10	5	11	9	11	10	2	242	7	69	1003	0.00
	19:00	10	11	5	10	11	9	11	3	236	7	73	1003	0.00
	19:15	9	10	5	9	9	9	11	2	242	7	80	1003	0.00
	19:30	8	10	5	9	9	10	10	2	238	6	82	1003	0.00
	19:45	9	10	4	9	10	9	11	2	229	6	84	1003	0.00
	20:00	9	11	5	11	11	8	12	2	236	6	84	1002	0.00
	20:15	10	11	5	9	10	10	10	2	229	5	84	1002	0.00
	20:30	11	10	4	9	10	10	11	3	228	5	85	1002	0.00
	20:45	9	10	5	10	11	8	12	2	228	5	85	1002	0.00
	21:00	11	11	5	10	10	11	12	3	232	5	85	1002	0.00
	21:15	9	11	4	8	10	9	11	2	228	5	85	1002	0.00
	21:30	9	10	5	9	10	10	12	3	226	4	86	1002	0.00
	21:45	12	11	6	12	12	11	13	2	217	4	85	1002	0.00
	22:00	11	14	6	12	12	13	14	2	220	4	85	1002	0.00
	22:15	12	12	5	10	11	11	12	2	226	4	85	1002	0.00
	22:30	9	11	5	11	12	9	13	2	227	4	86	1002	0.00
	22:45	13	11	6	12	11	10	12	3	223	4	85	1002	0.00
	23:00	9	13	5	11	11	11	11	4	226	4	85	1003	0.00
	23:15	16	16	7	14	16	12	17	3	229	4	85	1003	0.00
	23:30	15	18	8	17	19	14	22	3	226	4	85	1003	0.00
	23:45	14	14	6	13	14	16	15	3	222	3	86	1002	0.00
	00:00	11	13	5	10	14	11	14	3	229	4	86	1002	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	10	10	4	10	10	11	11	3	237	3	85	1002	0.00
	00:30	10	10	4	11	9	8	11	3	225	3	87	1002	0.00
	00:45	9	10	4	10	9	9	11	3	224	3	86	1002	0.00
	01:00	14	12	5	13	15	14	16	2	219	3	86	1002	0.00
	01:15	13	16	7	16	13	12	15	2	213	3	87	1002	0.00
	01:30	10	11	5	12	10	9	11	3	228	3	86	1001	0.00
	01:45	23	18	8	19	22	20	23	2	209	3	87	1001	0.00
	02:00	13	19	8	17	17	16	19	3	212	3	87	1002	0.00
	02:15	9	10	4	10	9	9	10	3	212	3	87	1001	0.00
	02:30	9	9	3	9	8	7	9	3	216	3	87	1002	0.00
	02:45	7	8	3	9	8	7	9	3	225	4	87	1002	0.00
	03:00	11	11	5	12	11	10	12	3	214	3	87	1002	0.00
	03:15	12	13	6	15	11	9	12	2	208	3	87	1001	0.00
	03:30	21	25	10	21	19	20	20	3	218	3	86	1001	0.00
	03:45	21	19	9	20	23	19	24	2	223	3	86	1001	0.00
	04:00	13	16	7	17	14	14	17	3	220	2	86	1001	0.00
	04:15	15	14	5	11	12	13	12	3	221	2	86	1001	0.00
	04:30	8	10	3	10	10	7	10	3	224	2	85	1001	0.00
	04:45	10	8	3	10	9	9	10	2	212	1	85	1001	0.00
	05:00	8	9	4	9	8	7	9	3	213	1	85	1002	0.00
	05:15	10	10	3	9	10	8	10	3	215	1	84	1002	0.00
	05:30	9	9	4	13	10	9	12	3	228	1	84	1002	0.00
	05:45	22	19	8	18	19	15	19	2	215	0	84	1002	0.00
	06:00	14	19	6	18	19	18	18	2	212	-1	84	1002	0.00
	06:15	9	8	3	9	8	7	10	2	215	-1	84	1002	0.00
	06:30	7	7	2	7	7	7	7	2	212	-1	84	1002	0.00
	06:45	6	6	2	6	6	5	6	2	200	-2	84	1002	0.00
	07:00	6	6	2	7	5	5	7	2	206	-2	84	1002	0.00
	07:15	6	6	2	6	6	6	6	2	213	-3	85	1002	0.00
	07:30	5	6	2	6	6	4	6	2	199	-3	84	1002	0.00
	07:45	6	5	2	7	5	5	6	3	218	-2	84	1002	0.00
	08:00	5	6	2	6	6	5	6	3	218	-2	83	1002	0.00
	08:15	6	6	2	6	5	5	6	3	212	-1	81	1002	0.00
	08:30	6	6	2	7	5	6	6	4	223	0	80	1002	0.00
	08:45	5	5	2	22	5	8	5	4	214	0	79	1002	0.00
	09:00	5	5	1	7	6	5	6	5	223	1	78	1002	0.00
	09:15	5	5	1	6	6	5	6	5	226	1	76	1002	0.00
	09:30	4	4	1	6	5	5	5	5	219	1	75	1002	0.00
	09:45	4	4	1	6	5	5	5	6	226	1	73	1002	0.00
	10:00	4	4	1	6	5	4	5	5	220	2	70	1002	0.00
	10:15	4	4	2	6	5	5	6	4	222	3	70	1002	0.00
	10:30	4	4	1	5	5	4	5	6	231	3	69	1002	0.00
	10:45	3	4	1	5	5	4	5	5	225	3	67	1002	0.00
	11:00	3	4	1	4	5	4	5	5	226	4	65	1002	0.00
	11:15	4	4	1	4	5	4	5	5	226	5	64	1002	0.00
	11:30	4	4	2	4	5	4	5	6	233	4	66	1001	0.00
	11:45	4	4	2	4	5	4	5	5	233	5	64	1001	0.00
1/16/2024	12:00	3	3	1	4	4	3	4	5	234	6	63	1001	0.00
	12:15	3	3	1	4	4	3	4	6	237	5	64	1001	0.00
	12:30	3	3	1	5	4	3	4	6	232	6	63	1000	0.00
	12:45	3	4	2	5	4	3	4	5	233	7	63	1000	0.00
	13:00	3	3	1	4	4	3	4	6	231	7	62	1000	0.00
	13:15	3	3	1	4	4	3	4	5	231	8	61	1000	0.00
	13:30	2	3	1	4	3	3	4	7	236	7	61	1000	0.00
	13:45	2	2	1	4	4	3	4	5	232	9	58	1000	0.00
	14:00	2	2	1	4	3	3	4	7	239	8	58	999	0.00
	14:15	3	3	1	4	4	4	4	6	239	9	58	999	0.00
	14:30	2	2	1	4	3	3	4	6	235	10	57	999	0.00
	14:45	2	2	1	4	3	3	4	7	236	10	56	1000	0.00
	15:00	2	2	1	4	3	3	4	6	241	10	53	1000	0.00
	15:15	2	2	1	4	3	3	3	5	235	11	56	1000	0.00
	15:30	2	3	1	4	3	3	4	6	236	10	55	1000	0.00
	15:45	2	2	1	4	3	3	4	7	240	10	55	1000	0.00
	16:00	2	2	1	4	3	3	3	7	243	10	56	1000	0.00
	16:15	2	3	1	3	3	2	3	6	240	9	56	1000	0.00
	16:30	2	2	1	2	2	2	3	6	239	9	57	1000	0.00
	16:45	2	2	1	2	3	2	3	6	243	8	59	1000	0.00
	17:00	3	2	0	3	3	2	3	5	237	8	59	1000	0.00
	17:15	3	3	1	3	3	2	3	6	240	8	59	1000	0.00
	17:30	2	2	0	3	2	2	3	5	239	7	60	1000	0.00
	17:45	2	3	1	4	3	2	3	4	241	7	62	1000	0.00
	18:00	3	3	1	4	3	3	3	4	233	6	63	1000	0.00
	18:15	4	4	1	3	3	2	3	4	239	6	64	1000	0.00
	18:30	4	4	1	4	3	3	3	4	228	6	64	1000	0.00
	18:45	3	3	1	4	3	2	3	4	229	6	63	1000	0.00
	19:00	3	3	1	4	3	3	3	4	226	6	63	999	0.00
	19:15	2	2	1	3	3	2	3	4	226	6	64	999	0.00
	19:30	3	3	1	4	2	2	3	4	226	6	64	999	0.00
	19:45	3	3	1	4	3	2	3	4	231	6	62	999	0.00
	20:00	3	3	1	4	3	2	3	5	231	6	61	999	0.00
	20:15	3	3	1	4	3	3	4	5	235	7	59	999	0.00
	20:30	3	3	1	4	3	2	3	4	233	7	60	999	0.00
	20:45	3	3	1	4	3	2	3	4	227	6	60	999	0.00
	21:00	3	3	1	4	3	2	3	5	229	6	60	999	0.00
	21:15	3	3	1	4	3	2	3	6	239	7	58	999	0.00
	21:30	2	3	1	4	3	2	3	4	230	7	58	999	0.00
	21:45	3	3	1	4	3	2	3	5	231	6	59	999	0.00
	22:00	3	3	1	4	3	3	4	5	236	6	59	999	0.00
	22:15	4	4	1	4	3	3	3	4	228	6	61	999	0.00
	22:30	3	3	1	4	3	2	3	4	238	6	62	999	0.00
	22:45	3	3	1	4	3	3	3	4	228	6	63	999	0.00
	23:00	2	3	1	4	3	2	3	4	228	6	64	999	0.00
	23:15	3	3	1	4	3	3	3	4	230	6	62	998	0.00
	23:30	3	3	1	4	3	2	3	4	229	6	63	998	0.00
	23:45	2	3	1	4	3	2	3	4	227	6	63	998	0.00
	00:00	3	3	1	4	3	2	3	4	235	6	63	998	0.00

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

Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
1/17/2024	00:15	2	3	1	3	3	3	3	3	223	6	65	998	0.00
	00:30	2	3	1	3	3	3	3	4	221	5	66	998	0.00
	00:45	2	3	1	3	3	3	3	3	223	5	67	998	0.00
	01:00	3	4	1	3	3	3	3	3	229	5	67	998	0.00
	01:15	2	3	1	3	3	3	3	4	214	5	67	997	0.00
	01:30	3	4	1	4	3	3	4	3	218	5	67	997	0.00
	01:45	3	4	1	3	3	3	4	3	216	5	67	997	0.00
	02:00	3	4	1	4	4	4	4	4	225	6	66	997	0.00
	02:15	3	4	1	4	4	4	4	4	211	6	67	997	0.00
	02:30	3	5	2	5	5	4	5	3	203	5	69	997	0.00
	02:45	3	5	2	5	5	4	5	4	211	5	71	997	0.00
	03:00	3	5	2	4	4	4	5	4	222	5	71	997	0.00
	03:15	4	6	2	5	5	5	5	4	222	5	71	997	0.00
	03:30	4	6	2	5	5	5	5	3	200	5	72	997	0.00
	03:45	4	6	2	5	5	5	6	3	207	5	73	996	0.00
	04:00	5	7	2	6	6	6	7	5	212	5	72	996	0.00
	04:15	6	7	3	7	7	6	8	3	209	5	73	996	0.00
	04:30	6	7	3	7	7	7	7	4	219	5	73	995	0.00
	04:45	5	7	3	5	6	6	7	5	219	6	72	995	0.00
	05:00	6	7	2	6	6	6	7	6	224	6	72	995	0.00
	05:15	5	6	3	6	6	6	7	5	221	7	72	995	0.00
	05:30	5	6	2	5	5	6	6	6	214	7	72	995	0.00
	05:45	5	7	2	6	6	6	7	5	216	7	72	995	0.00
	06:00	5	6	2	6	6	6	6	6	211	7	72	995	0.00
	06:15	5	6	3	5	5	6	6	5	212	7	72	995	0.00
	06:30	4	6	2	5	5	6	6	5	219	7	72	996	0.00
	06:45	5	6	2	5	5	5	6	5	219	7	72	995	0.00
	07:00	4	5	2	4	5	5	6	5	219	7	72	995	0.00
	07:15	4	5	2	4	5	5	5	5	221	7	72	995	0.00
	07:30	4	5	2	4	5	4	5	4	217	7	72	995	0.00
	07:45	1	7	1	4	5	5	5	5	219	8	70	995	0.00
	08:00	2	5	1	4	3	5	5	5	219	9	68	995	0.00
	08:15	3	5	2	4	4	3	3	7	221	10	65	995	0.00
	08:30	4	5	2	4	5	5	6	7	222	11	64	995	0.00
	08:45	3	5	2	4	5	5	6	6	228	12	62	995	0.00
	09:00	11	5	2	4	5	5	6	6	229	13	60	995	0.00
	09:15	3	5	2	4	5	5	6	6	227	14	60	995	0.00
	09:30	4	6	2	6	5	5	6	5	226	15	60	995	0.00
	09:45	5	8	3	8	8	7	7	6	239	16	58	995	0.00
	10:00	Offline	7	2	6	6	6	7	5	239	17	56	995	0.00
	10:15	Offline	7	2	7	6	6	7	5	246	19	58	995	0.00
	10:30	Offline	Offline	2	8	6	6	7	7	240	18	58	995	0.00
	10:45	4	6	Offline	Offline	Offline	6	7	6	243	19	59	995	0.00
	11:00	4	8	3	7	5	Offline	Offline	6	240	20	59	995	0.00
	11:15	4	7	3	7	6	6	7	5	238	21	58	995	0.00
	11:30	4	7	2	8	6	6	7	6	244	22	56	995	0.00
	11:45	3	7	2	7	6	7	8	6	244	23	56	995	0.00
	12:00	3	6	2	6	6	6	7	6	246	24	53	995	0.00
	12:15	2	5	2	6	6	6	6	6	237	25	52	995	0.00
	12:30	3	5	2	6	6	6	7	5	244	26	52	995	0.01
	12:45	3	5	2	6	6	6	6	6	235	28	49	994	0.00
	13:00	3	5	2	6	6	5	6	6	239	28	49	995	0.00
	13:15	6	7	3	9	6	6	7	5	240	29	48	994	0.00
	13:30	3	6	2	7	6	6	7	6	246	29	48	994	0.00
	13:45	2	5	2	7	6	6	7	5	242	29	49	994	0.00
	14:00	2	5	2	8	6	6	7	5	228	30	49	994	0.00
	14:15	3	5	2	8	6	6	7	5	233	30	47	994	0.00
	14:30	3	6	2	8	6	6	7	5	235	30	46	994	0.00
	14:45	3	6	2	8	7	6	7	5	234	31	47	994	0.00
	15:00	3	6	2	8	7	7	8	5	232	31	47	994	0.00
	15:15	4	7	2	9	7	7	8	4	211	31	49	994	0.00
	15:30	5	8	3	9	8	8	9	4	221	31	49	994	0.00
	15:45	5	7	2	9	8	8	9	3	214	32	49	994	0.00
	16:00	5	7	2	9	8	8	9	4	213	32	51	994	0.00
	16:15	5	7	3	8	8	8	9	3	223	31	53	994	0.00
	16:30	5	7	3	11	8	8	9	3	208	30	56	994	0.00
	16:45	5	7	3	8	9	8	10	3	216	29	55	994	0.00
	17:00	4	7	3	8	9	8	9	1	204	28	57	993	0.00
	17:15	4	7	3	9	8	8	9	1	193	27	59	993	0.00
	17:30	4	7	2	7	7	7	8	1	222	27	61	993	0.00
	17:45	4	7	3	7	7	7	8	1	227	26	64	993	0.00
	18:00	3	6	2	6	7	6	7	1	190	26	65	993	0.00
	18:15	3	6	2	6	7	7	7	1	152	26	66	993	0.00
	18:30	4	6	2	6	7	6	7	1	210	25	67	993	0.00
	18:45	3	6	2	6	6	5	7	1	217	25	67	993	0.00
	19:00	3	6	2	6	7	6	7	1	194	25	68	993	0.00
	19:15	3	6	2	6	6	6	7	1	204	25	66	993	0.00
	19:30	3	6	2	5	6	5	6	2	198	26	65	993	0.00
	19:45	2	5	2	5	5	5	6	2	207	26	64	993	0.00
	20:00	2	5	2	5	5	5	6	3	217	26	62	993	0.00
	20:15	2	5	2	5	5	5	5	3	215	26	62	993	0.00
	20:30	2	5	2	5	5	5	6	4	219	26	62	993	0.00
	20:45	3	6	2	5	5	5	6	3	215	26	62	993	0.00
	21:00	3	6	2	6	6	6	7	4	216	25	62	993	0.00
	21:15	3	6	2	6	5	6	6	4	215	25	63	993	0.00
	21:30	3	6	2	6	6	6	6	5	218	24	64	993	0.00
	21:45	3	6	2	5	6	5	6	4	228	24	67	994	0.00
	22:00	3	5	2	6	5	6	6	5	226	24	66	994	0.00
	22:15	3	6	2	6	6	5	6	4	230	24	65	994	0.00
	22:30	3	5	2	5	5	5	6	3	224	24	68	994	0.00
	22:45	2	6	2	5	5	5	6	4	230	24	69	994	0.00
	23:00	3	5	2	6	6	6	7	5	228	24	67	994	0.00
	23:15	3	6	2	7	6	6	6	5	228	24	68	994	0.00
	23:30	3	5	2	6	6	6	7	4	220	24	71	994	0.00
	23:45	2	6	2	5	5	5	6	3	224	24	69	994	0.00
	00:00	3	5	2	5	6	6	6	4	221	24	69	994	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
1/18/2024	00:15	2	6	2	6	5	5	6	5	223	24	70	993	0.00
	00:30	2	6	2	6	5	5	6	4	223	24	70	993	0.00
	00:45	2	6	2	6	5	5	6	4	221	24	71	993	0.00
	01:00	2	7	2	6	5	6	6	3	225	24	72	993	0.00
	01:15	1	6	2	6	5	4	5	4	221	23	71	993	0.00
	01:30	2	6	2	6	5	5	5	4	223	23	70	993	0.00
	01:45	1	6	2	6	5	5	6	4	227	24	70	993	0.00
	02:00	2	6	2	5	5	5	6	4	227	23	71	993	0.00
	02:15	1	6	2	6	6	5	6	4	226	23	71	993	0.00
	02:30	2	6	2	6	5	5	5	3	233	24	72	993	0.00
	02:45	1	6	2	6	5	5	5	3	233	23	71	993	0.00
	03:00	2	6	2	6	6	6	6	3	231	23	70	993	0.00
	03:15	1	6	2	7	5	5	6	3	235	23	70	993	0.00
	03:30	2	6	2	6	6	5	5	3	249	23	71	993	0.00
	03:45	2	6	2	6	5	5	6	2	233	23	71	992	0.00
	04:00	1	6	2	7	5	5	6	3	230	23	70	992	0.00
	04:15	1	6	2	6	5	5	5	3	229	24	71	992	0.00
	04:30	2	6	2	6	5	5	5	2	229	24	70	992	0.00
	04:45	2	6	2	7	5	4	5	3	231	24	69	992	0.00
	05:00	1	6	2	6	5	5	5	2	234	24	69	992	0.00
	05:15	1	6	2	6	5	5	6	2	222	24	68	992	0.00
	05:30	1	6	2	6	5	5	5	2	219	24	68	992	0.00
	05:45	1	6	2	6	5	5	5	2	222	24	67	992	0.00
	06:00	1	6	2	7	5	5	5	2	220	24	68	992	0.00
	06:15	1	6	2	6	5	5	6	2	218	24	71	993	0.00
	06:30	2	6	2	6	5	5	5	2	216	24	71	993	0.00
	06:45	1	6	2	5	5	5	5	2	219	24	73	993	0.00
	07:00	1	5	2	6	5	5	5	2	220	24	71	993	0.00
	07:15	1	5	2	5	5	5	5	2	220	24	72	993	0.00
	07:30	1	5	2	6	5	5	5	1	230	24	71	993	0.00
	07:45	1	6	2	6	5	5	5	1	219	24	71	993	0.00
	08:00	3	4	1	6	5	5	6	1	241	24	71	993	0.00
	08:15	4	6	2	6	6	6	5	1	223	24	69	993	0.00
	08:30	5	6	2	6	5	5	6	1	238	25	69	993	0.00
	08:45	5	6	2	6	5	6	6	1	215	25	69	993	0.00
	09:00	4	5	2	6	5	6	5	2	244	25	69	993	0.00
	09:15	4	6	2	6	5	5	5	2	213	27	65	993	0.00
	09:30	4	5	2	6	5	5	5	3	218	28	61	993	0.00
	09:45	3	5	2	5	5	5	5	3	199	29	59	993	0.00
	10:00	3	5	1	5	5	4	5	2	198	30	59	993	0.00
	10:15	3	4	2	6	5	5	5	2	203	31	55	993	0.00
	10:30	4	5	2	6	5	5	5	3	215	31	54	993	0.00
	10:45	4	5	2	7	5	5	5	3	235	32	54	993	0.00
	11:00	3	4	2	6	6	5	5	3	242	33	49	993	0.00
	11:15	4	4	2	6	5	5	5	2	233	34	50	993	0.00
	11:30	4	5	2	7	6	6	5	2	276	34	48	993	0.00
	11:45	4	5	2	6	7	6	6	2	242	35	49	993	0.00
	12:00	4	5	2	5	7	6	6	3	244	35	50	993	0.00
	12:15	5	6	2	6	7	6	7	2	283	35	46	992	0.00
	12:30	5	6	2	9	8	7	7	2	43	37	45	992	0.00
	12:45	5	6	2	7	7	7	7	2	250	37	44	992	0.00
	13:00	5	6	2	5	6	7	7	2	26	36	44	992	0.00
	13:15	4	5	2	5	6	6	7	2	86	37	43	992	0.00
	13:30	5	6	2	6	7	7	7	3	29	35	48	992	0.00
	13:45	5	6	2	6	6	7	7	3	13	36	49	992	0.00
	14:00	5	6	2	5	6	7	7	3	18	35	50	992	0.00
	14:15	5	5	2	5	6	7	7	4	16	35	51	991	0.00
	14:30	5	5	2	5	7	7	7	3	40	35	51	991	0.00
	14:45	5	6	2	6	8	7	7	3	62	35	51	992	0.00
	15:00	5	6	2	6	7	7	7	3	28	35	51	992	0.00
	15:15	5	6	2	7	6	7	7	3	28	35	55	992	0.00
	15:30	5	6	2	7	7	7	7	3	25	33	59	992	0.00
	15:45	5	6	2	7	7	7	7	3	42	33	59	992	0.00
	16:00	6	6	2	8	7	7	7	2	23	32	62	992	0.00
	16:15	6	6	3	9	7	8	8	3	31	32	61	992	0.00
	16:30	6	7	3	8	8	7	8	3	83	32	63	992	0.00
	16:45	6	7	3	10	8	8	8	1	56	32	63	992	0.00
	17:00	6	7	3	10	8	7	8	1	45	32	63	992	0.00
	17:15	7	7	3	9	9	9	9	1	161	32	64	992	0.00
	17:30	7	8	3	9	8	8	8	1	319	31	68	992	0.00
	17:45	9	9	4	10	10	10	10	1	7	32	67	993	0.00
	18:00	7	9	4	10	9	9	9	2	10	32	69	993	0.00
	18:15	7	8	3	9	9	8	9	2	18	32	73	993	0.00
	18:30	7	9	4	10	9	8	10	1	31	31	73	993	0.00
	18:45	8	9	4	11	9	0	10	1	0	31	73	993	0.00
	19:00	8	9	4	10	10	9	10	1	358	31	75	993	0.00
	19:15	8	9	4	10	10	8	10	1	7	31	74	993	0.00
	19:30	8	9	4	10	8	10	10	1	9	31	75	993	0.00
	19:45	9	9	4	11	10	8	10	2	0	31	79	993	0.00
	20:00	16	18	8	21	19	16	20	3	356	30	84	993	0.00
	20:15	21	22	10	23	22	21	24	3	357	30	88	993	0.00
	20:30	21	22	11	26	25	21	24	4	359	29	90	993	0.00
	20:45	25	27	13	29	28	25	30	5	356	28	92	994	0.00
	21:00	26	29	14	31	30	25	32	3	354	27	92	994	0.00
	21:15	29	31	15	33	30	28	35	4	354	27	92	994	0.00
	21:30	28	29	13	29	28	26	31	4	358	26	93	994	0.00
	21:45	24	26	11	26	26	24	28	5	0	25	92	994	0.00
	22:00	20	25	11	26	25	21	26	4	356	25	92	994	0.00
	22:15	21	23	10	23	23	19	25	4	351	24	93	994	0.00
	22:30	20	20	9	22	21	17	22	4	347	24	93	995	0.00
	22:45	15	18	8	18	19	16	20	5	350	23	94	995	0.00
	23:00	14	15	7	15	15	14	18	5	352	23	94	995	0.00
	23:15	12	13	6	13	13	11	15	5	352	22	94	995	0.00
	23:30	11	13	6	12	14	12	14	6	354	22	94	995	0.00
	23:45	9	11	5	11	11	10	12	4	355	21	94	995	0.00
	00:00	11	11	5	12	12	11	13	4	343	21	94	995	0.00

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

Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
1/19/2024	00:15	10	11	4	11	11	9	12	4	339	20	94	996	0.00
	00:30	8	10	4	9	9	9	10	5	337	20	94	996	0.00
	00:45	10	12	5	11	11	10	12	5	346	19	94	996	0.00
	01:00	11	12	5	11	11	9	12	5	349	19	94	996	0.00
	01:15	10	10	4	10	10	9	11	3	325	19	94	996	0.00
	01:30	8	10	4	11	9	9	10	4	328	18	93	996	0.00
	01:45	9	11	4	11	10	9	11	5	334	18	93	996	0.00
	02:00	10	12	4	12	11	9	11	6	343	18	93	997	0.00
	02:15	12	13	5	13	12	10	13	6	341	17	92	997	0.00
	02:30	12	13	6	14	12	12	14	5	332	16	92	997	0.00
	02:45	14	14	6	13	12	13	15	6	347	15	91	998	0.00
	03:00	12	15	5	12	13	11	14	6	348	15	91	998	0.00
	03:15	13	14	6	12	14	11	13	4	328	15	91	998	0.00
	03:30	14	16	7	14	14	14	16	6	348	14	91	999	0.00
	03:45	12	16	6	14	14	12	16	4	326	14	92	999	0.00
	04:00	14	16	6	13	14	12	16	3	294	14	92	999	0.00
	04:15	20	22	9	18	18	16	19	4	304	14	91	1000	0.00
	04:30	15	20	8	16	18	16	18	4	284	14	91	1000	0.00
	04:45	20	20	9	17	18	16	19	4	294	13	91	1000	0.00
	05:00	16	19	8	16	17	15	19	3	286	13	91	1000	0.00
	05:15	16	18	8	14	16	15	19	4	286	13	91	1001	0.00
	05:30	18	18	7	14	16	17	18	4	279	13	90	1001	0.00
	05:45	15	18	8	14	16	14	18	3	272	12	90	1001	0.00
	06:00	17	20	9	15	17	17	20	4	271	12	89	1002	0.00
	06:15	16	18	7	13	15	14	17	4	281	11	88	1002	0.00
	06:30	17	18	7	13	17	16	20	4	280	11	88	1003	0.00
	06:45	13	17	7	12	15	17	19	4	269	10	87	1003	0.00
	07:00	13	14	6	10	12	11	14	4	289	10	86	1003	0.00
	07:15	13	14	6	10	12	12	13	3	280	10	86	1004	0.00
	07:30	11	17	7	12	15	12	15	3	275	10	85	1004	0.00
	07:45	16	16	7	12	15	13	17	3	271	9	83	1004	0.00
	08:00	15	18	7	14	16	16	17	3	274	9	83	1004	0.00
	08:15	17	19	8	14	18	15	19	3	266	9	80	1004	0.00
	08:30	15	16	7	13	14	14	17	3	269	10	78	1005	0.00
	08:45	16	15	7	12	10	14	15	3	267	10	77	1005	0.00
	09:00	14	14	6	11	12	12	15	4	271	11	74	1005	0.00
	09:15	12	13	5	10	14	13	12	4	280	11	72	1005	0.00
	09:30	11	12	5	9	12	12	12	3	270	12	69	1005	0.00
	09:45	10	12	4	9	11	11	12	4	264	12	67	1005	0.00
	10:00	10	11	4	8	11	10	12	3	280	13	65	1005	0.00
	10:15	10	11	4	7	11	10	12	3	287	13	65	1005	0.00
	10:30	9	11	4	7	11	11	12	3	287	14	63	1005	0.00
	10:45	9	10	4	8	11	11	11	3	269	14	63	1005	0.00
	11:00	9	10	4	9	11	10	11	3	255	14	63	1005	0.00
	11:15	10	10	4	9	11	10	11	4	271	13	63	1005	0.00
	11:30	9	10	4	8	11	11	11	3	261	15	59	1005	0.00
	11:45	9	10	4	8	11	10	11	3	277	14	59	1005	0.00
	12:00	8	10	3	8	11	9	11	3	270	15	58	1005	0.00
	12:15	8	9	3	8	11	9	10	4	268	15	56	1005	0.00
	12:30	10	11	4	11	13	11	12	4	247	14	64	1005	0.00
	12:45	11	12	5	12	14	12	14	3	254	14	62	1005	0.00
	13:00	11	12	5	12	14	12	14	4	258	15	62	1005	0.00
	13:15	11	12	5	12	13	13	15	3	263	15	60	1005	0.00
	13:30	11	12	5	12	13	14	16	3	270	15	61	1005	0.00
	13:45	11	12	5	12	13	14	16	3	272	15	61	1005	0.00
	14:00	12	12	5	13	13	15	16	4	263	15	58	1006	0.00
	14:15	11	12	5	12	13	14	15	4	261	14	59	1006	0.00
	14:30	11	12	5	10	13	14	15	3	259	15	59	1006	0.00
	14:45	11	12	5	11	13	13	15	3	252	14	58	1006	0.00
	15:00	11	13	5	11	13	14	15	3	269	15	58	1006	0.00
	15:15	12	14	5	12	13	14	15	4	259	14	57	1006	0.00
	15:30	13	14	5	14	14	15	16	3	253	14	60	1006	0.00
	15:45	14	15	6	14	16	16	18	4	250	13	61	1006	0.00
	16:00	15	17	7	14	18	18	19	3	247	12	61	1006	0.00
	16:15	17	19	8	16	20	19	20	3	245	11	64	1007	0.00
	16:30	19	20	9	18	20	20	22	3	249	10	65	1007	0.00
	16:45	20	22	9	17	20	20	21	3	242	9	67	1007	0.00
	17:00	20	22	9	18	19	14	17	3	244	8	68	1008	0.00
	17:15	18	20	8	16	16	17	18	3	243	8	67	1008	0.00
	17:30	17	20	8	15	16	16	18	2	239	7	68	1008	0.00
	17:45	17	18	7	11	15	13	14	2	241	7	70	1008	0.00
	18:00	17	18	7	12	14	12	15	3	240	6	72	1008	0.00
	18:15	13	16	6	13	12	13	16	2	232	6	74	1008	0.00
	18:30	15	16	6	12	14	11	14	3	238	6	74	1009	0.00
	18:45	15	19	7	11	15	11	15	2	235	6	73	1009	0.00
	19:00	23	19	8	17	17	16	18	3	237	6	71	1009	0.00
	19:15	25	29	10	23	26	20	26	3	235	6	71	1009	0.00
	19:30	22	25	12	21	22	21	25	3	230	6	70	1009	0.00
	19:45	31	34	11	26	30	26	27	3	241	5	70	1009	0.00
	20:00	31	25	13	24	22	20	29	3	244	5	69	1009	0.00
	20:15	23	31	10	23	27	26	24	3	235	5	69	1009	0.00
	20:30	25	25	12	25	24	20	27	3	241	5	69	1009	0.00
	20:45	27	28	9	19	22	21	22	3	245	5	70	1009	0.00
	21:00	20	24	10	24	24	21	26	3	245	4	70	1009	0.00
	21:15	24	27	10	19	21	19	22	2	240	4	71	1009	0.00
	21:30	23	22	9	19	22	22	23	2	227	4	73	1010	0.00
	21:45	19	24	10	22	22	17	24	2	234	3	73	1010	0.00
	22:00	24	23	9	17	19	20	19	2	234	3	72	1009	0.00
	22:15	17	21	8	17	22	17	20	2	242	3	73	1009	0.00
	22:30	22	24	9	19	17	15	21	3	237	3	73	1009	0.00
	22:45	17	20	8	16	20	18	19	3	232	3	74	1009	0.00
	23:00	20	20	7	15	17	14	18	3	237	3	74	1010	0.00
	23:15	15	22	8	16	16	14	18	3	230	2	75	1010	0.00
	23:30	19	19	8	17	17	16	19	2	228	2	76	1010	0.00
	23:45	15	19	7	14	18	13	18	3	227	2	76	1010	0.00
	00:00	19	20	7	15	15	14	16	3	230	2	77	1010	0.00

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

Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
1/20/2024	00:15	14	17	8	Offline	15	16	17	2	226	2	77	1010	0.00
	00:30	13	16	6	Offline	16	13	17	3	225	2	77	1009	0.00
	00:45	14	15	6	Offline	14	13	18	3	227	2	77	1009	0.00
	01:00	14	18	7	Offline	15	16	16	2	231	2	77	1009	0.00
	01:15	15	14	6	Offline	17	13	16	2	225	2	77	1009	0.00
	01:30	14	17	6	Offline	14	16	18	2	220	1	78	1010	0.00
	01:45	13	16	6	Offline	14	13	16	3	222	1	78	1010	0.00
	02:00	14	14	6	Offline	15	13	14	2	232	1	79	1010	0.00
	02:15	11	14	6	Offline	15	14	15	2	226	0	79	1010	0.00
	02:30	15	15	5	Offline	13	12	16	2	226	0	79	1010	0.00
	02:45	11	15	6	Offline	15	12	15	3	230	0	80	1010	0.00
	03:00	14	14	6	Offline	15	13	15	2	228	0	80	1010	0.00
	03:15	14	15	7	Offline	16	14	16	2	216	0	81	1010	0.00
	03:30	12	15	5	Offline	13	12	16	2	220	0	81	1010	0.00
	03:45	15	15	6	Offline	14	15	17	2	218	-1	81	1010	0.00
	04:00	11	14	6	Offline	15	14	16	2	222	-1	82	1010	0.00
	04:15	15	15	6	Offline	15	12	16	2	225	-1	82	1011	0.00
	04:30	12	16	6	Offline	14	13	16	3	222	-1	81	1011	0.00
	04:45	13	16	6	Offline	15	15	16	2	216	-1	82	1011	0.00
	05:00	16	15	7	Offline	17	14	17	2	216	-1	82	1011	0.00
	05:15	12	16	7	Offline	15	13	19	2	235	-1	81	1011	0.00
	05:30	16	18	7	Offline	15	15	18	2	231	-1	82	1011	0.00
	05:45	14	17	6	Offline	19	16	17	2	226	-1	82	1011	0.00
	06:00	15	16	7	Offline	17	14	18	2	221	-2	82	1011	0.00
	06:15	16	18	8	Offline	15	16	20	2	225	-2	83	1012	0.00
	06:30	15	19	7	Offline	17	17	18	2	225	-2	84	1012	0.00
	06:45	20	18	7	Offline	20	14	18	2	224	-2	84	1012	0.00
	07:00	14	20	8	Offline	18	17	20	2	226	-3	84	1012	0.00
	07:15	19	20	8	Offline	17	18	21	2	218	-3	84	1012	0.00
	07:30	15	18	7	Offline	21	14	20	2	220	-3	84	1012	0.00
	07:45	17	19	8	Offline	62	18	18	2	217	-3	84	1013	0.00
	08:00	17	21	8	Offline	18	18	21	2	227	-2	81	1013	0.00
	08:15	15	19	9	Offline	20	16	23	2	228	0	78	1013	0.00
	08:30	22	22	8	Offline	23	18	22	2	235	1	74	1013	0.00
	08:45	16	22	10	Offline	20	21	21	3	235	2	73	1013	0.00
	09:00	22	22	10	Offline	22	18	24	3	235	3	71	1013	0.00
	09:15	22	21	10	Offline	25	20	24	3	231	4	70	1014	0.00
	09:30	21	21	10	Offline	23	22	25	4	233	4	69	1014	0.00
	09:45	22	22	11	Offline	26	25	24	4	236	4	70	1014	0.00
	10:00	20	22	11	Offline	31	31	34	3	241	6	67	1014	0.00
	10:15	20	21	11	Offline	27	25	28	3	242	7	67	1014	0.00
	10:30	20	21	11	Offline	26	26	28	4	233	7	67	1014	0.00
	10:45	20	21	10	25	27	26	29	3	274	9	65	1014	0.00
	11:00	21	20	9	25	28	27	29	3	296	10	64	1014	0.00
	11:15	22	19	9	23	30	27	32	3	252	11	64	1014	0.00
	11:30	21	20	9	23	29	36	40	4	248	11	62	1013	0.00
	11:45	19	21	10	24	34	55	61	4	242	11	65	1013	0.00
	12:00	19	19	10	26	28	36	39	4	245	11	65	1013	0.00
	12:15	20	20	10	25	29	25	28	3	244	12	64	1013	0.00
	12:30	20	20	10	26	30	25	28	3	258	13	64	1013	0.00
	12:45	18	18	10	25	26	23	25	3	250	13	63	1013	0.00
	13:00	17	17	9	24	25	22	25	3	257	14	59	1013	0.00
	13:15	17	17	9	23	26	24	26	3	244	14	64	1013	0.00
	13:30	18	19	10	24	25	26	29	4	240	13	65	1013	0.00
	13:45	19	20	11	25	25	28	30	4	241	14	65	1013	0.00
	14:00	18	19	10	25	24	27	29	4	248	15	63	1013	0.00
	14:15	18	18	10	25	24	28	29	3	252	16	63	1013	0.00
	14:30	16	16	9	24	22	24	26	3	247	16	63	1013	0.00
	14:45	14	15	8	22	21	22	24	3	250	17	63	1013	0.00
	15:00	14	16	7	20	19	22	23	2	254	17	59	1013	0.00
	15:15	14	16	7	20	19	22	23	2	265	18	59	1013	0.00
	15:30	14	14	7	19	18	21	22	3	261	17	58	1013	0.00
	15:45	15	15	7	18	20	22	23	2	280	18	59	1014	0.00
	16:00	15	15	7	19	20	21	22	2	284	18	58	1014	0.00
	16:15	17	16	7	17	20	22	23	2	266	16	62	1014	0.00
	16:30	18	18	8	18	21	22	23	3	243	15	64	1014	0.00
	16:45	20	21	10	21	19	17	21	2	249	13	67	1014	0.00
	17:00	21	22	11	23	19	18	24	3	238	12	69	1014	0.00
	17:15	22	24	11	25	17	21	21	2	247	11	72	1014	0.00
	17:30	24	25	9	23	16	16	21	2	231	10	78	1014	0.00
	17:45	25	23	10	20	20	19	21	1	225	8	84	1014	0.00
	18:00	17	24	9	18	17	18	22	1	247	7	83	1014	0.00
	18:15	20	18	8	21	17	15	22	2	218	7	86	1014	0.00
	18:30	16	22	8	17	18	18	20	1	229	6	84	1015	0.00
	18:45	16	17	8	17	19	17	18	1	210	5	86	1015	0.00
	19:00	19	19	9	17	16	15	20	1	222	5	87	1015	0.00
	19:15	15	22	9	18	17	17	20	2	224	6	87	1015	0.00
	19:30	19	21	9	18	17	18	22	1	224	5	87	1015	0.00
	19:45	21	20	9	18	18	20	22	2	231	5	86	1015	0.00
	20:00	19	23	10	20	20	18	25	1	220	5	87	1015	0.00
	20:15	24	26	11	21	19	21	26	1	261	5	87	1015	0.00
	20:30	22	24	11	22	23	24	26	1	239	6	86	1015	0.00
	20:45	23	24	11	25	26	23	26	2	182	4	87	1015	0.00
	21:00	25	26	11	24	25	23	30	2	204	3	88	1015	0.00
	21:15	26	29	14	24	30	27	31	2	217	3	88	1015	0.00
	21:30	30	31	13	32	30	29	32	1	134	2	89	1015	0.00
	21:45	27	30	13	30	35	26	34	2	186	1	89	1015	0.00
	22:00	27	31	15	31	33	32	36	1	201	1	89	1015	0.00
	22:15	30	28	12	34	25	28	34	1	129	1	88	1015	0.00
	22:30	22	30	12	28	29	24	27	1	174	0	88	1015	0.00
	22:45	25	28	12	27	24	25	28	1	200	0	89	1015	0.00
	23:00	25	26	11	27	24	24	29	2	209	0	89	1015	0.00
	23:15	27	28	12	25	32	25	33	2	204	0	88	1015	0.00
	23:30	30	31	14	29	30	32	34	2	181	-1	87	1015	0.00
	23:45	28	32	13	30	29	29	32	1	128	-1	87	1015	0.00
	00:00	28	28	11	32	27	23	32	1	113	-1	87	1015	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
1/21/2024	00:15	28	32	13	26	26	29	31	1	143	-2	88	1015	0.00
	00:30	25	28	12	29	29	24	30	1	160	-1	87	1015	0.00
	00:45	24	27	11	27	24	23	26	2	201	-2	88	1015	0.00
	01:00	26	28	11	22	24	24	29	1	164	-2	87	1015	0.00
	01:15	24	27	12	27	27	22	29	1	127	-3	86	1015	0.00
	01:30	26	30	11	26	23	26	27	1	176	-3	87	1015	0.00
	01:45	22	27	12	28	24	22	27	1	157	-3	87	1015	0.00
	02:00	23	26	11	24	25	22	28	2	206	-3	88	1015	0.00
	02:15	25	27	11	23	23	23	27	2	220	-2	87	1015	0.00
	02:30	25	28	11	25	22	22	27	2	198	-2	87	1015	0.00
	02:45	24	24	10	25	23	21	25	2	169	-3	87	1015	0.00
	03:00	21	29	12	25	23	24	29	2	169	-3	86	1015	0.00
	03:15	26	25	10	23	23	22	25	1	144	-4	86	1015	0.00
	03:30	23	30	12	26	28	26	28	1	147	-4	86	1015	0.00
	03:45	30	32	13	27	28	22	32	1	159	-4	86	1015	0.00
	04:00	30	35	13	28	33	39	36	2	187	-4	86	1015	0.00
	04:15	28	32	12	32	23	22	28	2	164	-5	86	1015	0.00
	04:30	24	26	12	26	26	23	28	2	193	-4	87	1015	0.00
	04:45	26	26	11	23	24	24	28	1	164	-4	86	1015	0.00
	05:00	22	29	11	28	24	22	26	2	180	-5	86	1015	0.00
	05:15	25	25	12	23	25	26	28	2	167	-5	85	1015	0.00
	05:30	22	27	10	28	22	20	27	1	143	-6	86	1015	0.00
	05:45	26	28	12	23	24	23	25	1	172	-5	86	1015	0.00
	06:00	22	26	12	25	25	24	29	1	179	-5	85	1015	0.00
	06:15	23	24	10	26	21	20	27	2	188	-5	87	1015	0.00
	06:30	24	27	11	22	26	24	26	2	185	-4	87	1015	0.00
	06:45	22	29	12	26	26	23	28	1	161	-3	87	1015	0.00
	07:00	22	25	10	26	23	20	28	2	175	-2	89	1015	0.00
	07:15	20	24	10	22	22	22	26	2	133	-1	88	1015	0.00
	07:30	23	26	10	25	24	22	26	2	174	-1	88	1015	0.00
	07:45	23	25	11	25	23	20	25	2	169	1	89	1015	0.00
	08:00	22	25	11	23	22	22	27	2	167	3	88	1015	0.00
	08:15	22	27	10	22	22	21	28	2	161	6	87	1015	0.00
	08:30	22	24	10	22	22	19	25	2	175	8	83	1014	0.00
	08:45	19	23	10	22	21	19	23	3	204	10	79	1014	0.00
	09:00	23	24	9	18	17	16	21	3	207	12	72	1014	0.00
	09:15	18	24	11	19	19	17	21	3	201	13	70	1014	0.00
	09:30	22	24	10	22	23	19	22	3	188	14	70	1014	0.00
	09:45	22	24	10	26	19	20	25	3	177	15	67	1014	0.00
	10:00	22	23	10	25	22	23	27	3	178	15	67	1014	0.00
	10:15	20	22	9	24	21	23	26	3	190	16	66	1014	0.00
	10:30	19	21	9	24	21	22	25	3	193	17	65	1013	0.00
	10:45	19	21	9	22	21	22	24	4	148	17	65	1013	0.00
	11:00	18	19	8	22	20	20	23	4	152	18	63	1013	0.00
	11:15	19	20	8	21	21	20	22	4	151	19	63	1013	0.00
	11:30	16	17	7	20	18	18	20	4	176	20	61	1012	0.00
	11:45	14	16	7	17	18	16	18	3	176	21	59	1012	0.00
	12:00	13	15	6	16	16	16	17	4	194	22	59	1011	0.00
	12:15	12	14	6	17	15	14	16	4	189	22	60	1011	0.00
	12:30	13	14	6	18	15	14	16	4	192	22	60	1010	0.00
	12:45	13	14	6	17	15	15	16	4	217	23	59	1010	0.00
	13:00	13	14	6	16	14	14	16	4	198	24	58	1010	0.00
	13:15	12	13	6	16	14	14	16	4	196	24	57	1010	0.00
	13:30	13	13	6	16	14	15	16	3	206	25	57	1009	0.00
	13:45	12	14	6	17	14	14	16	4	197	26	56	1009	0.00
	14:00	13	14	6	18	14	15	16	5	198	26	55	1009	0.00
	14:15	12	13	6	18	13	15	16	4	201	26	53	1009	0.00
	14:30	11	12	5	18	12	13	15	4	185	27	55	1009	0.00
	14:45	10	11	5	18	12	13	14	4	201	26	54	1008	0.00
	15:00	10	11	5	18	11	12	14	3	202	27	53	1008	0.00
	15:15	10	11	4	17	11	12	14	3	198	27	54	1008	0.00
	15:30	9	10	4	16	10	11	12	4	176	27	52	1008	0.00
	15:45	8	9	3	14	9	10	11	4	197	27	52	1008	0.00
	16:00	7	8	3	13	9	9	10	4	202	27	51	1008	0.00
	16:15	8	8	3	12	9	10	11	4	212	26	53	1008	0.00
	16:30	8	9	4	11	10	10	11	3	210	25	58	1008	0.00
	16:45	9	10	4	12	10	11	12	3	218	24	58	1008	0.00
	17:00	9	11	5	12	11	11	12	3	202	24	60	1007	0.00
	17:15	10	11	5	12	11	12	13	2	223	24	61	1008	0.00
	17:30	10	12	5	12	12	10	11	2	219	23	62	1007	0.00
	17:45	10	11	5	14	10	12	13	3	225	24	61	1007	0.00
	18:00	10	12	5	14	11	10	11	2	210	23	62	1007	0.00
	18:15	10	12	5	15	10	10	12	2	201	23	63	1007	0.00
	18:30	10	13	6	12	11	11	13	2	200	23	64	1007	0.00
	18:45	11	12	5	14	11	10	12	2	197	23	64	1007	0.00
	19:00	10	12	5	11	10	10	11	2	183	23	65	1007	0.00
	19:15	10	11	4	13	10	11	13	3	169	23	66	1006	0.00
	19:30	9	10	5	10	9	9	10	3	158	22	66	1006	0.00
	19:45	8	10	3	11	8	9	10	3	168	22	66	1006	0.00
	20:00	7	8	4	10	9	8	10	3	175	22	67	1006	0.00
	20:15	8	10	4	10	8	8	9	3	184	22	67	1006	0.00
	20:30	7	9	4	10	9	8	10	3	187	23	68	1006	0.00
	20:45	9	10	4	10	9	9	11	3	202	23	67	1006	0.00
	21:00	9	10	4	10	10	10	11	3	214	24	67	1006	0.00
	21:15	8	11	5	12	9	10	11	3	200	24	66	1006	0.00
	21:30	9	11	5	11	10	10	11	3	199	24	65	1006	0.00
	21:45	10	12	5	12	11	10	12	4	198	24	65	1005	0.00
	22:00	10	11	5	12	11	12	12	4	193	24	65	1005	0.00
	22:15	11	12	5	14	10	12	13	4	218	25	66	1005	0.00
	22:30	9	12	5	13	11	10	12	4	216	25	65	1005	0.00
	22:45	10	12	5	14	11	12	13	4	197	25	65	1005	0.00
	23:00	11	12	5	13	11	12	12	4	204	25	65	1005	0.00
	23:15	11	11	5	14	12	12	14	4	204	25	65	1005	0.00
	23:30	9	12	5	13	10	11	13	3	196	25	67	1005	0.00
	23:45	10	11	5	13	11	11	13	3	198	25	65	1004	0.00
	00:00	9	11	5	13	10	11	12	3	205	26	65	1004	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	9	11	5	13	10	10	11	3	188	26	66	1004	0.00
	00:30	7	11	5	11	10	10	11	3	204	26	66	1004	0.00
	00:45	7	11	4	11	9	10	11	3	218	26	64	1004	0.00
	01:00	6	10	4	9	10	9	10	4	214	26	61	1004	0.00
	01:15	6	10	4	10	9	9	10	5	218	27	61	1004	0.00
	01:30	6	10	4	10	10	9	10	5	215	27	62	1004	0.00
	01:45	6	10	4	10	10	9	10	4	213	27	63	1004	0.00
	02:00	6	10	4	10	10	9	11	3	202	27	63	1004	0.00
	02:15	6	10	4	10	10	9	10	3	203	27	62	1004	0.00
	02:30	6	10	4	9	10	9	10	3	201	27	62	1004	0.00
	02:45	6	10	4	10	9	9	10	4	213	27	63	1004	0.00
	03:00	6	10	4	10	10	9	11	4	211	27	63	1003	0.00
	03:15	6	10	4	11	10	10	11	4	209	27	62	1003	0.00
	03:30	6	10	4	10	10	10	11	4	205	27	63	1003	0.00
	03:45	6	10	4	10	9	9	10	4	205	27	69	1003	0.00
	04:00	5	9	3	9	9	8	9	4	210	27	74	1003	0.00
	04:15	4	9	4	9	10	9	10	4	209	27	74	1003	0.00
	04:30	5	9	3	9	9	8	9	4	212	27	76	1003	0.00
	04:45	5	9	3	8	9	8	9	4	212	27	79	1003	0.00
	05:00	4	8	3	8	8	7	9	5	206	27	81	1003	0.00
	05:15	4	8	3	8	8	7	9	5	199	27	82	1003	0.00
	05:30	3	7	3	9	7	7	8	5	202	28	84	1003	0.00
	05:45	4	7	3	10	8	7	8	5	208	28	84	1003	0.00
	06:00	3	7	3	8	7	7	8	5	209	28	86	1003	0.00
	06:15	2	7	3	7	7	6	7	5	212	28	88	1003	0.00
	06:30	3	7	3	8	7	6	8	6	207	28	88	1003	0.00
	06:45	3	7	3	8	7	6	8	6	211	28	89	1003	0.00
	07:00	2	7	2	8	7	7	8	7	210	28	89	1002	0.00
	07:15	3	7	3	8	7	7	8	6	211	29	90	1002	0.00
	07:30	2	7	3	9	7	6	8	6	208	29	89	1002	0.00
	07:45	3	8	3	9	7	7	8	7	211	29	88	1002	0.00
	08:00	4	8	3	9	8	8	9	7	209	29	89	1002	0.00
	08:15	4	8	3	9	8	7	9	6	198	29	87	1002	0.00
	08:30	4	8	3	10	8	8	9	6	201	29	86	1002	0.00
	08:45	4	8	3	9	8	8	10	6	209	29	85	1003	0.00
	09:00	4	8	3	9	8	8	9	7	205	29	87	1003	0.00
	09:15	3	8	3	10	8	8	9	6	200	29	89	1003	0.00
	09:30	5	9	4	10	9	8	10	6	203	30	88	1003	0.00
	09:45	4	9	3	10	9	9	10	6	204	30	89	1004	0.00
	10:00	5	9	3	10	9	8	10	6	191	30	91	1003	0.00
	10:15	5	9	3	10	8	9	10	7	196	30	91	1003	0.00
	10:30	5	9	3	10	9	9	10	7	191	31	91	1003	0.00
	10:45	5	9	4	10	9	8	11	7	189	31	90	1003	0.00
	11:00	5	9	4	10	10	9	11	7	200	31	89	1003	0.00
	11:15	6	10	4	10	10	10	11	8	196	31	90	1003	0.00
	11:30	8	12	5	11	12	11	13	9	196	31	90	1003	0.00
	11:45	9	14	6	13	14	13	16	7	183	31	90	1003	0.00
1/22/2024	12:00	10	14	6	15	14	12	15	7	193	31	91	1003	0.00
	12:15	7	12	5	14	12	11	14	6	198	31	92	1003	0.00
	12:30	7	11	4	12	11	11	13	7	200	31	94	1003	0.01
	12:45	6	11	5	12	12	11	12	10	202	31	95	1002	0.00
	13:00	7	11	4	12	11	10	12	Offline	Offline	Offline	Offline	Offline	Offline
	13:15	6	10	4	12	11	10	12	Offline	Offline	Offline	Offline	Offline	Offline
	13:30	7	11	4	11	10	10	12	Offline	Offline	Offline	Offline	Offline	Offline
	13:45	6	11	4	11	11	10	13	Offline	Offline	Offline	Offline	Offline	Offline
	14:00	7	11	5	11	11	11	13	Offline	Offline	Offline	Offline	Offline	Offline
	14:15	6	11	4	12	11	11	13	Offline	Offline	Offline	Offline	Offline	Offline
	14:30	7	11	4	12	11	10	12	Offline	Offline	Offline	Offline	Offline	Offline
	14:45	6	11	4	12	11	10	13	Offline	Offline	Offline	Offline	Offline	Offline
	15:00	7	11	5	12	11	11	13	Offline	Offline	Offline	Offline	Offline	Offline
	15:15	7	11	5	12	11	12	13	Offline	Offline	Offline	Offline	Offline	Offline
	15:30	6	11	4	12	11	11	13	Offline	Offline	Offline	Offline	Offline	Offline
	15:45	7	11	4	12	12	11	13	Offline	Offline	Offline	Offline	Offline	Offline
	16:00	7	11	5	12	12	11	14	Offline	Offline	Offline	Offline	Offline	Offline
	16:15	8	11	5	12	12	12	14	Offline	Offline	Offline	Offline	Offline	Offline
	16:30	7	12	5	12	13	12	14	Offline	Offline	Offline	Offline	Offline	Offline
	16:45	8	12	5	12	13	12	14	Offline	Offline	Offline	Offline	Offline	Offline
	17:00	7	12	5	13	13	11	14	Offline	Offline	Offline	Offline	Offline	Offline
	17:15	9	13	5	13	13	12	15	Offline	Offline	Offline	Offline	Offline	Offline
	17:30	8	13	5	13	13	13	15	Offline	Offline	Offline	Offline	Offline	Offline
	17:45	9	13	6	13	13	13	15	Offline	Offline	Offline	Offline	Offline	Offline
	18:00	8	13	6	13	14	12	15	Offline	Offline	Offline	Offline	Offline	Offline
	18:15	10	14	6	14	14	13	15	Offline	Offline	Offline	Offline	Offline	Offline
	18:30	9	14	6	14	14	13	16	Offline	Offline	Offline	Offline	Offline	Offline
	18:45	10	14	6	14	14	13	16	Offline	Offline	Offline	Offline	Offline	Offline
	19:00	9	14	6	14	14	14	16	Offline	Offline	Offline	Offline	Offline	Offline
	19:15	9	14	6	14	14	13	16	Offline	Offline	Offline	Offline	Offline	Offline
	19:30	10	14	6	14	15	14	16	Offline	Offline	Offline	Offline	Offline	Offline
	19:45	9	14	6	15	14	13	16	Offline	Offline	Offline	Offline	Offline	Offline
	20:00	9	13	6	14	13	12	15	Offline	Offline	Offline	Offline	Offline	Offline
	20:15	8	12	5	13	12	12	15	Offline	Offline	Offline	Offline	Offline	Offline
	20:30	7	11	5	12	12	11	13	Offline	Offline	Offline	Offline	Offline	Offline
	20:45	8	12	5	12	12	11	13	Offline	Offline	Offline	Offline	Offline	Offline
	21:00	7	12	5	12	12	11	13	Offline	Offline	Offline	Offline	Offline	Offline
	21:15	8	12	5	11	12	12	14	8	121	33	98	1002	0.02
	21:30	7	12	5	12	12	11	15	5	131	33	98	1002	0.01
	21:45	8	12	5	13	13	12	15	5	136	33	98	1002	0.01
	22:00	8	13	5	13	13	12	14	5	133	33	98	1002	0.00
	22:15	6	11	5	13	12	11	14	5	141	33	98	1002	0.01
	22:30	6	10	4	11	10	10	12	5	150	33	98	1002	0.00
	22:45	4	9	4	9	9	9	11	5	152	33	98	1002	0.02
	23:00	5	8	3	9	9	9	10	6	151	33	97	1002	0.01
	23:15	4	9	4	9	9	8	10	5	149	33	98	1001	0.01
	23:30	5	9	3	8	9	9	10	5	135	33	98	1001	0.01
	23:45	4	9	3	9	9	9	10	4	138	33	98	1001	0.01
	00:00	5	9	3	9	9	8	10	4	138	33	97	1001	0.01

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	2	9	4	9	8	8	9	3	139	33	98	1001	0.01
	00:30	1	9	3	8	8	8	9	3	146	33	98	1001	0.01
	00:45	1	8	3	8	8	7	9	3	136	33	98	1000	0.01
	01:00	1	8	3	7	7	7	9	3	130	33	98	1000	0.01
	01:15	0	7	3	7	7	7	8	3	107	33	98	1000	0.02
	01:30	0	7	3	6	7	6	8	3	128	33	98	1000	0.02
	01:45	0	7	3	6	7	6	7	3	146	33	98	1000	0.03
	02:00	0	7	3	6	7	6	7	2	162	33	98	1000	0.04
	02:15	0	7	3	6	7	6	8	1	186	33	98	1000	0.03
	02:30	0	7	3	6	7	6	8	1	325	33	98	1000	0.05
	02:45	0	7	3	6	7	6	8	1	340	33	98	1000	0.05
	03:00	0	8	3	6	7	7	8	1	32	33	98	999	0.04
	03:15	1	8	3	7	8	7	8	2	79	33	99	999	0.02
	03:30	0	7	3	7	8	7	8	2	77	33	99	999	0.02
	03:45	0	6	3	6	6	5	7	2	140	33	99	999	0.03
	04:00	0	6	2	5	5	5	7	2	148	33	99	999	0.03
	04:15	0	6	2	5	5	5	6	2	140	33	99	999	0.02
	04:30	0	7	3	5	6	6	7	3	124	33	99	999	0.01
	04:45	0	7	3	6	6	6	7	3	133	33	99	999	0.01
	05:00	0	7	3	6	6	6	7	3	132	33	99	999	0.01
	05:15	0	7	3	6	6	6	7	3	131	33	99	999	0.00
	05:30	0	6	2	5	6	6	7	3	151	33	99	999	0.01
	05:45	0	7	3	5	7	6	8	3	157	33	99	999	0.01
	06:00	0	7	3	6	6	6	7	3	152	33	99	998	0.00
	06:15	0	6	2	5	6	6	7	3	148	34	100	998	0.01
	06:30	0	6	2	5	6	5	7	3	157	34	100	998	0.01
	06:45	0	6	2	5	6	5	6	4	154	34	100	998	0.00
	07:00	0	5	2	4	5	5	6	4	163	34	100	998	0.01
	07:15	0	5	2	4	5	4	5	4	165	35	100	998	0.01
	07:30	0	5	2	4	5	4	6	5	165	35	100	998	0.00
	07:45	0	6	2	5	5	4	6	4	173	35	100	998	0.01
	08:00	0	6	2	5	5	5	6	4	169	35	100	998	0.01
	08:15	0	5	2	5	5	5	6	4	166	36	100	998	0.01
	08:30	0	6	2	6	5	4	6	4	164	36	100	998	0.01
	08:45	0	5	2	6	5	4	5	4	162	36	100	999	0.01
	09:00	0	5	2	6	5	4	5	4	165	36	100	999	0.01
	09:15	0	5	2	5	4	4	5	3	180	37	99	999	0.02
	09:30	0	5	2	6	4	4	5	3	180	37	100	999	0.02
	09:45	1	8	3	5	6	6	8	4	201	37	99	999	0.02
	10:00	1	9	4	7	8	8	10	5	182	37	99	999	0.02
	10:15	2	10	4	8	9	8	10	5	189	38	99	999	0.01
	10:30	34	19	4	8	10	8	11	5	186	38	99	999	0.00
	10:45	6	9	6	9	12	11	14	4	187	39	99	999	0.00
	11:00	6	10	5	12	14	15	17	5	188	39	99	999	0.00
	11:15	6	14	6	12	14	13	15	4	207	40	98	999	0.00
	11:30	5	15	7	8	15	14	17	5	216	40	97	999	0.00
	11:45	5	14	6	14	11	12	15	6	206	40	96	999	0.00
1/23/2024	12:00	4	12	5	12	6	5	10	5	198	40	95	999	0.00
	12:15	3	13	5	11	12	11	13	5	198	41	95	999	0.00
	12:30	4	13	6	11	13	11	15	4	210	41	95	999	0.00
	12:45	4	14	6	12	12	13	13	4	209	41	94	999	0.00
	13:00	3	13	6	12	11	12	14	4	211	41	94	999	0.00
	13:15	2	11	5	12	10	13	13	4	204	41	93	999	0.00
	13:30	1	9	4	9	9	9	11	4	210	41	93	999	0.00
	13:45	0	7	3	8	8	8	9	4	201	42	92	999	0.00
	14:00	0	7	3	6	8	6	8	4	210	41	92	999	0.00
	14:15	4	7	3	6	6	5	7	4	207	42	92	999	0.00
	14:30	5	7	3	6	6	6	8	4	203	42	92	999	0.00
	14:45	5	7	3	4	8	7	8	2	198	42	92	999	0.00
	15:00	5	8	3	6	8	7	8	3	198	42	92	999	0.00
	15:15	5	7	3	6	10	7	9	2	192	42	91	999	0.00
	15:30	5	8	3	6	8	7	9	3	194	42	92	999	0.00
	15:45	7	9	4	6	8	7	8	3	196	41	93	999	0.00
	16:00	7	9	4	6	8	8	10	2	183	41	93	999	0.00
	16:15	7	10	4	7	10	10	11	2	185	41	94	999	0.00
	16:30	8	11	5	9	11	10	12	1	188	41	94	999	0.00
	16:45	10	13	6	10	12	10	13	2	191	41	94	999	0.00
	17:00	11	14	6	11	13	11	15	2	171	40	95	999	0.00
	17:15	10	14	6	10	14	13	16	2	146	39	97	999	0.00
	17:30	13	17	7	11	17	16	20	2	139	39	97	999	0.00
	17:45	15	16	7	13	16	16	20	3	165	39	98	1000	0.00
	18:00	11	16	6	14	13	12	16	2	134	39	98	1000	0.00
	18:15	11	14	7	11	13	12	16	1	128	39	99	1000	0.00
	18:30	12	15	8	11	13	12	17	1	147	39	99	1000	0.00
	18:45	11	16	8	14	13	13	18	1	159	39	99	1000	0.00
	19:00	11	14	6	13	11	12	15	2	156	38	99	1000	0.00
	19:15	9	12	5	11	9	10	13	2	159	38	99	1000	0.00
	19:30	7	10	4	10	11	8	13	3	152	38	99	1000	0.00
	19:45	8	11	4	10	10	8	14	3	131	38	100	1000	0.00
	20:00	8	12	6	9	11	10	14	3	122	38	100	1000	0.00
	20:15	12	15	7	11	14	13	17	2	112	38	100	1000	0.00
	20:30	11	14	6	11	13	11	16	2	113	38	100	1000	0.00
	20:45	8	12	4	11	10	10	15	3	144	38	100	1000	0.00
	21:00	7	9	4	10	9	8	11	3	112	38	100	1000	0.00
	21:15	5	9	4	7	9	8	12	3	120	38	100	1000	0.00
	21:30	5	8	3	7	8	6	10	3	109	38	100	1000	0.00
	21:45	4	8	3	5	7	7	9	3	106	38	100	1000	0.00
	22:00	5	7	3	5	7	6	8	2	87	38	100	1000	0.00
	22:15	4	7	3	4	6	6	9	4	116	38	100	1000	0.00
	22:30	5	8	3	5	6	7	10	4	119	38	100	1000	0.01
	22:45	2	6	2	5	5	5	7	4	111	38	100	1000	0.01
	23:00	2	4	1	3	3	4	5	5	120	38	100	1000	0.02
	23:15	1	3	1	1	2	3	4	5	127	38	100	1000	0.02
	23:30	0	2	0	1	2	2	3	5	120	38	100	1000	0.05
	23:45	0	2	0	0	2	2	3	5	120	38	100	999	0.03
	00:00	0	2	1	0	2	2	3	5	115	38	100	999	0.03

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

Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	2	3	1	0	2	2	3	5	114	38	100	999	0.01
	00:30	2	3	1	1	2	3	4	5	107	39	100	998	0.02
	00:45	3	4	1	2	3	3	4	5	99	39	100	998	0.01
	01:00	3	5	1	2	4	4	5	6	80	39	100	998	0.02
	01:15	4	5	2	3	4	4	6	4	99	39	100	998	0.01
	01:30	3	4	1	3	3	4	5	5	90	40	100	998	0.02
	01:45	4	5	2	3	4	4	5	6	83	40	100	998	0.02
	02:00	3	5	1	4	3	4	5	6	79	40	100	998	0.01
	02:15	2	3	1	3	2	2	3	6	83	40	100	998	0.01
	02:30	1	2	0	2	2	2	3	6	89	40	100	998	0.00
	02:45	1	2	0	1	1	1	3	6	86	40	100	997	0.01
	03:00	2	2	1	2	2	2	3	6	92	40	100	997	0.01
	03:15	1	2	0	2	2	2	3	7	91	40	100	997	0.01
	03:30	1	2	0	1	1	1	2	7	84	40	100	997	0.01
	03:45	1	2	0	3	1	1	2	8	84	40	100	996	0.00
	04:00	1	2	0	1	1	1	2	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.01
	04:15	1	2	0	1	1	1	2	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.02
	04:30	1	2	0	1	1	1	2	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.01
	04:45	1	2	0	1	1	1	2	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.01
	05:00	1	1	0	0	1	1	2	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.03
	05:15	1	2	0	1	1	1	2	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.04
	05:30	1	1	0	1	1	1	2	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.04
	05:45	0	1	0	0	0	1	1	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.03
	06:00	0	1	0	0	0	0	1	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.03
	06:15	1	1	0	0	0	1	1	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.02
	06:30	1	2	0	0	1	1	1	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.01
	06:45	1	2	0	1	1	1	2	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.02
	07:00	0	1	0	1	0	1	1	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.01
	07:15	0	1	0	0	0	0	1	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.01
	07:30	0	1	0	1	0	1	1	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.01
	07:45	0	1	0	1	0	1	2	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.01
	08:00	0	1	0	1	0	1	1	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.01
	08:15	0	1	0	2	0	1	2	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	08:30	0	1	0	1	0	1	1	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.01
	08:45	1	1	0	1	1	1	1	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	09:00	1	1	0	2	1	1	2	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.01
	09:15	0	1	0	2	1	2	2	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	09:30	0	1	0	0	1	1	1	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	09:45	0	1	0	0	1	1	2	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	10:00	1	2	0	1	1	1	2	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	10:15	0	1	0	1	1	1	2	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	10:30	1	1	0	1	1	1	2	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	10:45	1	1	0	1	1	1	2	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	11:00	0	1	0	1	1	1	3	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	11:15	1	1	0	2	1	1	2	4	261	44	100	995	0.00
	11:30	1	2	0	2	1	1	3	1	302	45	100	994	0.00
	11:45	1	2	0	1	1	1	3	1	289	45	100	994	0.00
1/24/2024	12:00	6	5	0	1	2	3	5	4	265	46	100	994	0.00
	12:15	4	9	3	1	4	10	12	6	255	46	100	993	0.00
	12:30	4	6	2	6	5	5	7	6	259	46	100	993	0.00
	12:45	4	6	2	5	6	6	8	2	316	45	100	993	0.00
	13:00	2	3	1	5	3	5	6	2	313	44	100	993	0.00
	13:15	2	3	1	3	8	3	4	2	301	44	100	993	0.00
	13:30	2	3	1	3	5	4	5	2	343	44	100	993	0.00
	13:45	2	3	1	4	3	3	4	1	321	45	100	993	0.00
	14:00	2	4	2	4	5	3	5	2	344	45	100	993	0.00
	14:15	3	5	2	5	6	4	6	2	357	45	100	993	0.00
	14:30	4	7	3	6	6	6	8	2	358	45	100	993	0.00
	14:45	7	8	4	8	7	8	10	1	342	45	100	993	0.00
	15:00	8	11	5	10	9	10	13	2	291	46	100	993	0.00
	15:15	9	11	5	12	10	10	13	2	275	45	100	993	0.00
	15:30	8	11	5	12	10	10	13	2	275	45	100	994	0.00
	15:45	10	12	6	12	17	32	44	2	287	45	100	993	0.00
	16:00	11	13	7	14	31	20	19	2	280	45	100	993	0.00
	16:15	7	10	4	18	10	11	13	3	294	45	100	994	0.00
	16:30	7	8	3	9	7	7	9	2	278	44	100	994	0.00
	16:45	8	10	4	8	5	7	8	2	275	44	100	994	0.00
	17:00	7	9	4	9	5	6	7	2	287	44	100	994	0.00
	17:15	6	7	3	8	6	6	8	1	286	44	100	994	0.00
	17:30	4	5	2	7	3	5	6	2	274	43	100	995	0.00
	17:45	4	4	2	4	4	5	7	1	266	43	100	995	0.00
	18:00	3	4	1	4	4	5	7	1	260	43	100	995	0.00
	18:15	5	7	2	3	6	6	7	1	255	42	100	995	0.00
	18:30	5	7	3	6	6	6	8	1	270	42	100	995	0.00
	18:45	6	7	3	6	7	6	8	2	349	42	100	995	0.00
	19:00	9	10	4	7	9	10	13	4	341	41	100	995	0.00
	19:15	6	9	3	11	7	7	10	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	19:30	6	6	3	7	6	6	8	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	19:45	7	8	3	7	8	7	9	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	20:00	8	10	4	7	11	8	10	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	20:15	8	10	4	10	11	9	11	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	20:30	8	11	5	10	11	9	11	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	20:45	6	8	4	9	7	7	9	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	21:00	5	7	3	7	7	6	8	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	21:15	8	8	3	7	4	7	10	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	21:30	8	10	4	6	7	7	10	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	21:45	7	10	4	7	8	8	10	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	22:00	6	8	3	9	7	6	8	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	22:15	11	14	6	7	13	10	14	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	22:30	9	12	6	13	8	7	9	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.01
	22:45	10	11	5	11	12	10	14	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	23:00	13	15	7	10	15	13	17	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	23:15	18	22	10	14	19	16	20	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	23:30	17	21	11	21	19	19	23	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	23:45	13	19	10	23	16	16	21	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	00:00	16	19	10	23	19	16	21	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00

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

Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
1/25/2024	00:15	12	16	8	20	17	15	17	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	00:30	13	16	8	16	16	14	18	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	00:45	17	23	11	17	22	18	22	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	01:00	21	26	13	26	29	24	31	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	01:15	21	28	15	31	28	24	32	5	174	38	100	996	0.00
	01:30	21	30	13	31	28	23	31	5	89	37	100	996	0.00
	01:45	28	30	14	27	29	28	34	3	130	37	100	996	0.00
	02:00	24	28	13	27	29	27	33	2	104	37	100	996	0.00
	02:15	25	28	13	28	28	28	33	2	73	37	100	996	0.00
	02:30	20	22	10	26	22	19	25	2	44	37	100	996	0.00
	02:45	15	19	9	20	19	17	21	2	44	37	100	996	0.00
	03:00	17	18	8	17	19	17	21	1	107	37	100	996	0.00
	03:15	17	19	9	17	20	18	22	1	126	37	100	996	0.00
	03:30	16	18	8	18	18	16	20	1	159	37	100	996	0.00
	03:45	15	17	7	16	17	14	19	3	150	37	100	996	0.00
	04:00	14	16	7	15	17	15	19	2	133	37	100	996	0.00
	04:15	13	16	7	15	16	14	18	1	117	36	100	996	0.00
	04:30	15	16	8	15	16	Offline	18	2	94	36	100	996	0.00
	04:45	14	17	7	15	17	15	19	3	112	36	100	996	0.00
	05:00	15	18	8	15	19	16	20	3	88	36	100	996	0.00
	05:15	16	18	8	17	18	15	20	4	95	36	100	996	0.00
	05:30	15	17	8	17	18	16	20	2	97	37	100	996	0.00
	05:45	14	17	8	16	18	16	19	2	147	37	100	996	0.00
	06:00	16	16	8	15	17	15	18	2	186	37	100	997	0.00
	06:15	15	15	7	16	16	15	18	2	197	37	100	997	0.00
	06:30	15	17	8	16	18	16	20	2	187	37	100	997	0.00
	06:45	19	20	9	17	21	18	22	2	188	37	100	997	0.00
	07:00	19	20	9	19	22	18	23	1	156	37	100	997	0.00
	07:15	17	19	9	19	21	18	23	1	59	36	100	997	0.00
	07:30	17	19	9	19	19	17	21	2	49	36	100	997	0.00
	07:45	16	18	8	19	20	16	21	1	72	36	100	996	0.00
	08:00	14	17	7	17	18	14	20	1	70	36	100	996	0.00
	08:15	15	17	8	16	18	15	19	1	63	36	100	996	0.00
	08:30	13	16	7	16	17	15	19	2	66	36	100	996	0.00
	08:45	15	17	8	15	18	17	20	3	71	37	100	996	0.00
	09:00	21	22	10	17	23	20	26	4	79	37	100	996	0.00
	09:15	20	23	11	21	24	21	27	4	60	37	100	995	0.00
	09:30	21	23	10	22	24	21	26	3	55	37	100	996	0.00
	09:45	21	23	11	22	24	21	26	2	59	38	100	996	0.00
	10:00	23	26	11	21	25	23	29	2	77	38	100	996	0.00
	10:15	23	28	13	24	27	24	30	3	72	39	100	996	0.00
	10:30	24	26	12	26	25	23	29	3	99	39	100	996	0.00
	10:45	21	24	11	27	22	22	26	3	129	40	100	996	0.00
	11:00	15	17	8	19	17	16	19	5	112	40	100	995	0.00
	11:15	15	16	8	18	16	15	19	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	11:30	19	20	9	16	21	18	22	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	11:45	19	22	10	22	23	21	25	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	12:00	17	20	9	22	22	19	23	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	12:15	17	19	9	21	18	16	21	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	12:30	15	17	7	18	16	14	18	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	12:45	12	16	7	16	15	15	19	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	13:00	13	16	7	16	15	14	17	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	13:15	14	15	7	15	15	14	17	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	13:30	11	13	6	15	13	12	15	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	13:45	10	12	5	14	11	10	14	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	14:00	9	11	5	11	10	10	12	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	14:15	8	10	5	11	10	10	12	6	80	42	100	991	0.00
	14:30	9	11	5	10	14	10	13	6	69	42	100	991	0.01
	14:45	11	12	5	11	14	10	13	4	63	42	100	991	0.00
	15:00	11	13	5	12	14	11	14	4	60	42	100	990	0.00
	15:15	11	12	5	12	13	10	13	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	15:30	13	15	7	11	16	12	16	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	15:45	13	14	6	15	14	12	14	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	16:00	10	13	6	12	14	12	14	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.04
	16:15	8	10	4	13	8	8	10	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.06
	16:30	4	6	2	9	5	5	6	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.06
	16:45	2	3	1	5	3	3	4	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.05
	17:00	2	3	1	3	3	3	4	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.07
	17:15	2	3	1	4	2	2	3	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.06
	17:30	2	3	1	3	3	2	3	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.07
	17:45	2	3	1	3	2	2	3	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.06
	18:00	1	2	1	3	2	2	3	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.04
	18:15	2	3	1	4	3	2	3	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.03
	18:30	2	3	1	4	3	2	3	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.02
	18:45	2	3	1	4	3	3	4	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	19:00	2	3	1	4	3	2	3	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	19:15	3	4	1	4	3	2	4	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.02
	19:30	2	3	1	5	3	3	4	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.01
	19:45	2	3	1	4	3	2	3	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	20:00	3	4	1	4	4	3	4	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	20:15	3	4	1	4	4	3	5	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	20:30	5	6	2	5	6	6	7	6	184	40	100	990	0.00
	20:45	4	6	2	7	5	5	6	5	191	40	100	990	0.00
	21:00	3	4	1	6	4	4	5	3	184	40	100	990	0.00
	21:15	3	5	2	4	5	4	5	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	21:30	5	6	2	5	6	5	6	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	21:45	3	4	1	6	5	5	6	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	22:00	3	4	2	4	4	4	5	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	22:15	2	3	1	4	3	3	4	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	22:30	2	3	1	3	3	3	4	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	22:45	2	4	1	2	4	3	4	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	23:00	2	4	1	3	3	4	5	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	23:15	1	3	1	3	3	3	3	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	23:30	1	2	1	2	2	2	3	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	23:45	2	3	1	1	3	3	3	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00
	00:00	1	2	1	2	3	2	3	Malfunction	Malfunction	Malfunction	Malfunction	Malfunction	0.00

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

Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	2	3	0	2	3	2	3	8	159	38	100	992	0.00
	00:30	2	4	1	2	3	2	3	7	166	38	100	992	0.00
	00:45	1	2	0	3	2	2	3	7	178	38	100	992	0.00
	01:00	1	2	0	1	2	2	3	8	158	38	100	992	0.00
	01:15	1	2	0	1	2	2	3	6	164	38	100	992	0.00
	01:30	2	3	0	1	2	2	3	6	180	37	100	992	0.00
	01:45	1	2	0	2	2	2	3	7	167	37	100	993	0.00
	02:00	1	2	0	2	2	2	3	7	170	37	100	993	0.00
	02:15	1	2	0	1	2	2	3	6	181	37	100	993	0.00
	02:30	1	2	0	1	2	2	3	8	161	37	100	993	0.00
	02:45	1	2	0	1	3	2	3	8	154	37	100	993	0.00
	03:00	2	3	0	1	4	3	4	6	197	37	100	994	0.00
	03:15	3	4	1	2	4	4	5	6	215	37	100	994	0.00
	03:30	3	4	1	3	3	3	5	5	207	37	100	994	0.00
	03:45	2	4	1	3	3	4	5	4	222	37	100	994	0.00
	04:00	3	4	1	2	4	4	5	4	219	37	100	995	0.00
	04:15	4	5	2	3	6	5	6	3	214	37	100	995	0.00
	04:30	6	7	2	5	7	7	8	4	213	37	100	995	0.00
	04:45	6	7	3	6	7	7	9	4	217	37	100	995	0.00
	05:00	5	6	2	6	6	6	7	3	210	37	100	995	0.00
	05:15	4	5	2	5	5	5	6	3	215	37	100	995	0.00
	05:30	4	5	2	4	5	5	6	2	213	37	100	994	0.00
	05:45	4	6	2	5	5	5	7	2	217	36	100	994	0.00
	06:00	6	7	2	5	7	6	8	2	265	36	100	994	0.00
	06:15	6	7	3	6	8	7	9	3	208	36	100	995	0.00
	06:30	5	6	2	7	7	6	8	3	202	36	100	996	0.00
	06:45	6	7	2	6	6	6	8	2	206	36	100	996	0.00
	07:00	7	8	3	7	8	8	10	2	199	36	100	996	0.00
	07:15	9	10	4	8	10	9	12	2	184	36	100	996	0.00
	07:30	11	12	5	11	12	11	14	2	174	36	100	997	0.00
	07:45	12	14	6	12	14	12	16	2	155	36	100	997	0.00
	08:00	19	23	11	15	18	15	19	2	192	36	100	997	0.00
	08:15	27	38	16	26	34	31	39	3	212	36	100	998	0.00
	08:30	22	24	11	32	27	27	37	2	205	36	100	998	0.00
	08:45	16	19	8	26	29	25	32	2	202	36	100	998	0.00
	09:00	14	17	8	19	23	27	24	2	126	37	100	998	0.00
	09:15	15	17	8	17	30	33	43	2	153	37	100	998	0.00
	09:30	14	18	9	17	35	35	41	2	201	37	100	998	0.00
	09:45	15	20	9	20	27	23	33	2	203	37	100	998	0.00
	10:00	14	16	7	20	32	49	51	2	199	38	100	999	0.00
	10:15	10	13	13	25	12	10	13	2	195	38	100	999	0.00
	10:30	8	11	6	22	17	13	27	3	203	38	100	999	0.00
	10:45	6	6	2	16	26	73	81	3	197	39	100	999	0.00
	11:00	5	7	3	6	5	6	7	3	209	39	100	999	0.00
	11:15	5	6	3	7	6	6	8	3	213	39	100	999	0.00
	11:30	7	8	3	7	8	8	10	2	221	39	100	999	0.01
	11:45	9	10	4	8	10	9	12	3	217	39	100	999	0.00
1/26/2024	12:00	8	10	4	10	9	9	12	3	213	39	100	998	0.00
	12:15	6	7	3	8	7	7	8	3	223	39	100	998	0.00
	12:30	4	6	2	6	6	5	7	4	231	40	100	998	0.00
	12:45	6	6	2	6	6	6	7	4	225	40	100	998	0.00
	13:00	5	5	2	7	7	6	7	4	223	40	100	998	0.00
	13:15	4	5	2	7	33	29	35	4	231	40	100	998	0.00
	13:30	2	4	4	10	8	6	5	6	238	40	100	998	0.00
	13:45	3	6	10	14	28	40	68	5	226	40	100	998	0.00
	14:00	3	4	3	28	74	309	294	5	230	40	100	998	0.00
	14:15	2	10	7	8	28	106	144	4	229	40	100	998	0.00
	14:30	2	3	1	18	17	25	32	4	229	41	100	998	0.00
	14:45	1	2	0	6	8	8	7	4	224	41	100	998	0.00
	15:00	2	3	3	4	57	140	211	3	213	41	100	998	0.00
	15:15	2	3	1	27	7	36	33	3	217	41	100	999	0.00
	15:30	2	3	1	5	3	3	4	4	223	41	100	999	0.00
	15:45	2	3	1	4	3	3	4	3	216	41	100	1000	0.00
	16:00	3	4	1	5	4	4	5	4	226	41	100	1000	0.00
	16:15	6	7	3	6	6	6	8	3	216	41	100	1000	0.00
	16:30	4	6	4	7	6	44	64	3	221	41	100	1000	0.00
	16:45	3	4	1	12	4	4	5	3	220	41	100	1000	0.00
	17:00	5	6	2	5	4	4	5	3	222	41	100	1000	0.00
	17:15	4	5	2	7	4	5	6	2	219	41	100	1000	0.00
	17:30	4	5	1	6	5	4	6	2	205	41	100	1000	0.00
	17:45	5	5	2	6	5	5	7	2	207	41	100	1000	0.00
	18:00	4	5	2	6	5	5	7	1	186	41	100	1000	0.00
	18:15	4	5	1	6	5	5	6	1	194	40	100	1001	0.00
	18:30	5	6	2	6	5	5	6	1	201	40	100	1001	0.00
	18:45	5	6	2	7	6	5	7	1	183	40	100	1001	0.00
	19:00	7	8	3	7	8	7	9	1	189	40	100	1001	0.00
	19:15	7	9	3	8	8	8	11	1	206	40	100	1001	0.00
	19:30	6	8	3	8	8	8	9	2	193	40	100	1001	0.00
	19:45	6	7	3	8	7	6	8	1	183	40	100	1001	0.00
	20:00	6	8	3	7	7	7	8	1	178	40	100	1001	0.00
	20:15	6	8	3	8	8	7	9	1	164	40	100	1001	0.00
	20:30	7	8	3	8	8	7	9	1	178	40	100	1001	0.00
	20:45	7	9	3	8	6	8	10	2	176	40	100	1001	0.00
	21:00	8	9	4	8	7	8	9	1	170	40	100	1001	0.00
	21:15	9	10	4	9	7	8	10	1	168	40	100	1001	0.00
	21:30	8	11	4	10	5	7	9	1	176	40	100	1001	0.00
	21:45	10	11	4	11	6	8	11	1	154	40	100	1001	0.00
	22:00	10	12	5	11	8	8	10	1	168	40	100	1001	0.00
	22:15	11	13	5	10	7	8	10	1	150	40	100	1001	0.00
	22:30	13	14	6	10	12	10	14	1	122	40	100	1001	0.00
	22:45	15	16	7	15	16	15	18	1	79	40	100	1001	0.00
	23:00	13	16	7	16	17	14	19	1	71	40	100	1001	0.00
	23:15	12	14	6	16	14	12	15	1	88	39	100	1001	0.00
	23:30	10	13	6	14	15	10	13	1	28	39	100	1001	0.00
	23:45	9	13	5	14	13	11	14	2	26	39	100	1001	0.00
	00:00	11	14	6	12	15	11	14	1	350	39	100	1001	0.00

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

Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	12	14	6	14	13	12	16	1	341	38	100	1001	0.00
	00:30	14	14	6	13	14	13	17	2	352	38	100	1000	0.00
	00:45	12	15	7	14	15	13	16	1	358	38	100	1000	0.00
	01:00	12	14	6	13	13	12	15	1	14	38	100	1000	0.00
	01:15	9	12	5	12	11	11	13	1	81	38	100	1000	0.00
	01:30	9	10	4	10	9	9	11	1	347	38	100	1000	0.00
	01:45	9	10	5	8	9	9	11	2	201	38	100	1001	0.00
	02:00	9	11	5	10	11	9	12	2	199	38	100	1001	0.00
	02:15	10	12	5	11	11	7	9	2	187	38	100	1001	0.00
	02:30	8	10	3	11	8	4	6	2	190	38	100	1001	0.00
	02:45	8	9	4	7	9	8	11	2	205	38	100	1001	0.01
	03:00	11	12	5	9	11	11	14	2	214	38	100	1001	0.00
	03:15	9	12	6	10	11	10	14	2	198	38	100	1001	0.00
	03:30	10	12	5	13	9	8	11	3	188	38	100	1001	0.00
	03:45	6	7	3	9	6	6	8	3	196	38	100	1001	0.00
	04:00	6	7	3	6	6	7	9	2	193	38	100	1001	0.00
	04:15	5	4	2	6	5	5	6	3	201	38	100	1001	0.00
	04:30	4	6	2	4	5	5	7	3	170	38	100	1001	0.00
	04:45	5	6	3	5	6	5	8	3	175	38	100	1001	0.00
	05:00	6	7	3	6	7	6	8	3	179	38	100	1001	0.00
	05:15	6	8	3	7	8	7	9	3	182	38	100	1001	0.00
	05:30	6	7	3	7	6	7	9	2	177	38	100	1001	0.00
	05:45	5	6	3	6	6	6	7	2	173	37	100	1000	0.00
	06:00	6	6	3	5	6	5	7	2	92	37	100	999	0.00
	06:15	5	6	2	5	6	5	6	2	74	37	100	999	0.00
	06:30	5	6	2	4	6	6	7	2	78	37	100	999	0.00
	06:45	5	6	2	5	6	6	7	2	118	37	100	999	0.00
	07:00	6	7	3	5	7	6	8	2	115	37	100	1000	0.00
	07:15	8	9	4	7	9	8	10	2	136	37	100	1000	0.00
	07:30	8	10	4	8	9	9	11	2	118	37	100	1000	0.00
	07:45	9	9	4	7	9	8	10	2	117	36	100	999	0.00
	08:00	9	10	4	8	10	8	11	3	122	36	100	999	0.00
	08:15	7	8	3	8	7	7	8	3	101	36	100	999	0.00
	08:30	7	8	3	6	7	7	8	3	92	36	100	999	0.00
	08:45	7	8	3	6	7	6	9	2	89	36	100	999	0.00
	09:00	6	7	2	6	6	6	8	2	73	36	100	999	0.00
	09:15	6	7	3	5	7	7	8	2	60	36	100	999	0.00
	09:30	9	10	4	6	10	9	11	2	79	36	100	999	0.00
	09:45	9	13	6	8	12	11	14	2	78	36	100	999	0.00
	10:00	13	15	7	11	14	13	18	2	84	37	100	999	0.00
	10:15	17	20	8	13	19	17	22	2	81	37	100	1000	0.00
	10:30	17	23	10	15	22	19	25	2	78	37	100	1000	0.00
	10:45	22	27	12	19	29	23	30	2	72	37	100	999	0.00
	11:00	19	27	13	24	28	22	29	3	80	37	100	999	0.00
	11:15	22	28	12	24	30	22	29	2	74	37	100	999	0.00
	11:30	19	24	11	22	24	23	30	2	72	37	100	999	0.00
	11:45	15	21	9	22	23	19	23	2	77	37	100	998	0.00
1/27/2024	12:00	16	19	9	17	21	16	21	3	49	37	100	997	0.00
	12:15	21	26	13	17	29	22	30	2	69	37	100	997	0.00
	12:30	14	17	8	25	19	14	19	3	56	37	100	997	0.00
	12:45	8	11	5	15	10	10	11	3	51	37	100	996	0.00
	13:00	4	6	3	8	6	5	6	4	44	37	100	996	0.00
	13:15	8	8	3	6	8	7	9	3	37	37	100	996	0.00
	13:30	6	7	3	7	27	6	8	4	47	37	100	995	0.00
	13:45	6	6	2	6	6	6	7	4	40	37	100	995	0.00
	14:00	5	4	2	5	4	5	6	4	40	37	100	995	0.00
	14:15	4	4	2	3	5	4	5	3	42	37	100	995	0.00
	14:30	8	7	3	4	7	6	8	3	47	38	100	995	0.00
	14:45	7	8	3	6	8	7	9	3	39	37	100	995	0.00
	15:00	7	6	2	6	6	6	7	3	40	37	100	995	0.00
	15:15	5	5	2	5	5	5	6	3	57	38	100	995	0.00
	15:30	8	8	3	4	8	7	9	3	44	38	100	995	0.00
	15:45	8	8	3	8	7	8	10	3	35	38	100	995	0.00
	16:00	6	7	3	6	6	7	8	3	44	38	100	995	0.00
	16:15	9	9	3	5	9	8	10	3	31	38	100	995	0.00
	16:30	10	12	5	8	12	10	13	3	19	38	100	994	0.00
	16:45	11	13	5	11	13	12	15	3	11	38	100	994	0.00
	17:00	14	14	6	11	14	12	15	3	24	38	100	994	0.00
	17:15	15	18	8	12	17	16	18	3	32	38	100	994	0.00
	17:30	18	18	8	16	19	15	21	3	19	37	100	994	0.00
	17:45	11	13	6	17	13	12	14	3	13	37	100	994	0.01
	18:00	6	7	3	11	6	6	7	4	14	37	100	994	0.01
	18:15	4	4	2	5	4	4	5	4	4	37	100	994	0.00
	18:30	2	3	1	3	3	2	3	4	8	37	100	994	0.01
	18:45	2	2	0	2	2	1	2	3	16	37	100	994	0.01
	19:00	2	2	1	1	2	2	3	3	23	37	100	994	0.00
	19:15	2	2	1	2	2	2	3	4	9	37	100	994	0.00
	19:30	3	4	1	2	3	3	4	3	358	37	100	994	0.01
	19:45	3	3	1	3	3	3	4	3	16	37	100	994	0.00
	20:00	4	4	1	3	4	4	5	3	359	37	100	994	0.01
	20:15	4	5	2	4	5	4	5	2	317	36	100	994	0.00
	20:30	5	5	2	4	5	4	5	2	16	36	100	994	0.01
	20:45	5	5	2	4	5	5	6	3	321	36	100	994	0.00
	21:00	5	5	2	4	5	5	6	3	11	36	100	994	0.01
	21:15	5	5	2	5	5	4	5	3	344	36	100	994	0.01
	21:30	5	6	2	4	6	5	7	3	7	36	100	994	0.00
	21:45	7	7	2	5	6	6	7	3	4	36	100	994	0.01
	22:00	5	5	2	6	6	5	6	3	330	36	100	994	0.00
	22:15	4	5	2	5	5	4	5	3	12	36	100	994	0.01
	22:30	5	5	2	4	5	5	7	4	347	36	100	994	0.00
	22:45	5	6	2	5	6	5	6	3	296	36	100	994	0.00
	23:00	5	6	2	5	6	5	7	3	296	36	100	994	0.01
	23:15	5	5	2	5	5	5	6	3	262	36	100	994	0.00
	23:30	5	5	2	5	5	5	6	3	250	36	100	994	0.00
	23:45	5	6	2	5	6	5	7	3	182	36	100	994	0.00
	00:00	5	6	2	5	6	5	6	3	304	36	100	994	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	6	6	2	6	7	5	7	3	284	36	100	994	0.01
	00:30	6	7	2	5	7	6	8	3	272	36	100	994	0.00
	00:45	6	7	3	5	6	6	8	3	244	36	100	994	0.00
	01:00	7	9	3	6	9	7	10	3	224	36	100	994	0.00
	01:15	9	10	4	8	10	8	11	3	275	36	100	994	0.00
	01:30	9	10	4	9	9	8	12	3	302	36	100	994	0.01
	01:45	7	8	3	8	8	7	9	3	330	36	100	994	0.00
	02:00	5	7	3	7	6	6	8	3	356	36	99	994	0.01
	02:15	6	7	3	5	7	6	8	3	259	36	99	994	0.00
	02:30	8	8	3	6	8	7	9	3	249	36	99	994	0.00
	02:45	8	8	3	7	9	7	10	3	294	37	99	994	0.00
	03:00	8	9	3	7	9	7	10	3	320	36	99	994	0.00
	03:15	6	8	3	7	7	7	9	3	317	36	99	994	0.00
	03:30	6	6	2	6	7	6	7	3	322	36	99	994	0.00
	03:45	4	5	2	5	5	4	6	4	324	36	99	994	0.00
	04:00	4	5	2	4	5	4	6	3	323	36	99	995	0.01
	04:15	4	5	2	4	5	5	6	3	315	36	99	995	0.00
	04:30	5	6	2	4	6	5	7	5	339	36	98	995	0.00
	04:45	7	8	3	5	8	7	10	4	344	36	98	995	0.00
	05:00	10	10	4	7	10	9	11	4	344	36	99	995	0.00
	05:15	10	11	5	10	11	9	13	4	344	36	99	995	0.00
	05:30	12	13	5	10	13	11	14	4	330	36	99	995	0.00
	05:45	12	14	6	12	14	12	15	4	327	35	99	995	0.00
	06:00	14	15	6	13	14	13	17	4	331	35	99	996	0.00
	06:15	11	13	6	14	14	11	14	4	338	35	99	996	0.00
	06:30	10	11	4	11	11	9	13	4	329	35	99	996	0.00
	06:45	8	10	4	9	9	8	11	3	335	35	98	996	0.00
	07:00	8	9	4	8	9	8	10	3	321	35	99	996	0.00
	07:15	9	9	4	7	9	8	10	3	307	35	99	996	0.00
	07:30	7	8	3	7	8	7	9	3	307	35	99	996	0.00
	07:45	7	7	3	6	7	7	8	3	296	35	99	997	0.00
	08:00	6	7	3	6	7	6	8	3	311	35	99	997	0.00
	08:15	8	9	4	6	8	8	9	3	297	35	99	997	0.00
	08:30	9	11	5	7	11	9	13	3	315	35	99	997	0.00
	08:45	11	11	5	10	12	10	14	3	298	35	99	997	0.00
	09:00	8	10	4	10	10	8	11	3	322	35	98	997	0.00
	09:15	8	9	4	8	9	8	10	3	296	35	98	997	0.00
	09:30	10	11	5	7	11	10	12	3	292	35	98	998	0.00
	09:45	11	14	6	10	13	11	16	3	292	35	98	998	0.00
	10:00	17	18	8	12	17	14	20	3	269	35	98	998	0.00
	10:15	13	16	8	16	16	15	18	3	280	35	98	998	0.00
	10:30	8	9	3	14	9	8	10	4	315	35	97	999	0.00
	10:45	6	6	3	7	6	6	7	4	324	35	97	999	0.00
	11:00	5	6	2	5	6	5	7	4	323	35	97	999	0.00
	11:15	5	6	2	5	6	5	7	4	332	35	97	999	0.00
	11:30	5	6	2	4	5	5	6	3	315	35	97	999	0.00
	11:45	5	5	2	4	5	5	6	4	325	35	96	999	0.00
1/28/2024	12:00	4	5	2	4	4	4	6	3	310	35	97	999	0.00
	12:15	3	4	1	3	4	3	4	3	290	36	95	999	0.00
	12:30	2	3	1	2	3	3	4	3	281	36	96	999	0.00
	12:45	2	3	1	2	3	3	4	3	279	36	97	999	0.00
	13:00	2	3	1	2	2	2	3	3	319	36	96	999	0.00
	13:15	2	2	1	2	2	2	3	3	305	36	96	999	0.00
	13:30	2	2	1	2	2	2	3	3	287	36	94	999	0.00
	13:45	1	2	1	1	2	2	3	3	309	36	94	999	0.00
	14:00	2	3	1	1	3	2	4	2	240	37	91	999	0.00
	14:15	2	2	0	2	2	2	3	2	267	37	90	999	0.00
	14:30	2	2	1	1	2	2	3	2	235	37	90	999	0.00
	14:45	2	3	1	1	2	2	4	2	259	36	90	999	0.00
	15:00	3	4	1	1	4	4	5	2	244	36	91	1000	0.00
	15:15	6	7	3	3	6	5	7	2	240	36	92	1000	0.00
	15:30	5	6	2	4	5	5	6	2	236	36	91	1000	0.00
	15:45	6	7	2	3	7	6	8	2	244	35	92	1000	0.00
	16:00	5	6	2	4	6	6	7	2	236	35	93	1000	0.00
	16:15	5	6	2	3	5	5	6	2	232	35	94	1000	0.00
	16:30	4	5	2	3	4	4	5	2	226	34	94	1000	0.00
	16:45	4	5	2	2	5	5	6	2	224	34	94	1000	0.00
	17:00	4	6	2	3	5	5	6	2	238	34	94	1001	0.00
	17:15	5	6	2	3	5	5	6	2	240	34	93	1001	0.00
	17:30	8	9	4	3	8	7	9	2	239	34	94	1001	0.00
	17:45	9	10	4	6	10	9	11	2	243	34	94	1001	0.00
	18:00	10	12	5	8	12	11	15	2	259	33	94	1001	0.00
	18:15	12	13	5	10	13	12	15	2	253	33	95	1001	0.00
	18:30	14	16	7	11	15	13	17	2	231	33	95	1002	0.00
	18:45	14	18	8	13	17	14	20	2	253	33	95	1002	0.00
	19:00	16	18	8	15	18	16	20	2	225	33	95	1002	0.00
	19:15	15	17	8	14	17	15	19	2	228	33	95	1002	0.00
	19:30	12	15	6	14	15	13	16	2	242	33	95	1002	0.00
	19:45	12	13	6	12	14	12	15	2	237	33	95	1002	0.00
	20:00	12	14	6	11	14	11	15	2	235	33	95	1002	0.00
	20:15	12	14	6	11	14	12	16	2	250	33	95	1002	0.00
	20:30	15	16	7	12	16	14	18	2	247	33	95	1002	0.00
	20:45	16	17	8	14	17	16	20	2	260	33	95	1002	0.00
	21:00	16	20	9	15	19	17	21	2	235	33	95	1002	0.00
	21:15	18	20	9	16	20	17	22	2	228	33	95	1002	0.00
	21:30	17	19	8	16	19	15	21	2	227	33	94	1002	0.00
	21:45	15	18	8	16	18	16	20	2	231	33	95	1002	0.00
	22:00	18	19	9	16	20	17	21	2	245	33	94	1002	0.00
	22:15	16	18	8	17	18	16	20	1	230	33	95	1002	0.00
	22:30	17	20	9	16	20	18	22	2	256	33	95	1002	0.00
	22:45	18	20	9	17	20	17	22	1	237	33	95	1002	0.00
	23:00	17	19	8	17	19	16	20	2	232	32	95	1002	0.00
	23:15	17	20	9	16	19	17	21	2	239	32	95	1002	0.00
	23:30	19	21	9	17	20	18	23	2	229	32	95	1002	0.00
	23:45	21	23	10	18	22	21	25	2	230	32	95	1002	0.00
	00:00	20	24	11	20	24	21	25	2	238	32	94	1002	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	23	24	11	21	25	21	27	2	244	32	94	1002	0.00
	00:30	23	25	11	25	26	22	28	2	244	32	95	1002	0.00
	00:45	21	25	11	24	27	23	29	2	230	32	95	1002	0.00
	01:00	26	27	12	25	27	24	29	2	234	32	95	1002	0.00
	01:15	24	26	12	27	27	24	29	2	228	32	95	1002	0.00
	01:30	21	25	11	25	25	23	28	2	235	32	95	1002	0.00
	01:45	23	25	11	25	25	22	28	2	237	32	95	1002	0.00
	02:00	23	26	11	24	26	22	28	2	233	32	95	1002	0.00
	02:15	23	25	11	24	25	23	28	2	237	32	95	1002	0.00
	02:30	21	26	11	24	27	24	29	2	228	32	95	1002	0.00
	02:45	24	27	12	25	26	23	28	2	240	32	96	1002	0.00
	03:00	24	26	12	25	26	23	28	2	235	32	96	1001	0.00
	03:15	21	25	11	25	26	24	30	2	238	32	95	1001	0.00
	03:30	22	25	12	25	25	22	28	2	245	32	96	1001	0.00
	03:45	24	26	11	25	26	23	28	2	229	32	96	1001	0.00
	04:00	22	26	11	24	25	23	29	2	231	32	96	1001	0.00
	04:15	22	25	11	24	26	24	28	2	234	31	96	1001	0.00
	04:30	24	26	11	24	26	24	29	1	258	31	96	1001	0.00
	04:45	22	25	11	24	26	23	28	1	230	31	96	1001	0.00
	05:00	20	24	11	24	25	21	26	2	252	31	96	1001	0.00
	05:15	22	24	11	24	25	21	27	2	242	31	97	1001	0.00
	05:30	22	25	11	24	24	22	27	2	238	31	97	1001	0.00
	05:45	17	21	9	24	20	19	23	2	240	31	96	1001	0.00
	06:00	18	19	8	19	20	18	22	1	236	31	97	1001	0.00
	06:15	18	19	9	18	20	18	22	2	241	31	97	1001	0.00
	06:30	17	21	9	19	21	18	23	2	239	31	97	1001	0.00
	06:45	22	23	10	20	25	19	25	2	237	31	98	1001	0.00
	07:00	20	23	10	23	24	20	25	2	239	30	98	1002	0.00
	07:15	19	22	10	23	24	21	26	1	244	31	98	1002	0.00
	07:30	23	24	11	22	24	23	28	2	232	31	98	1002	0.00
	07:45	23	25	11	24	26	26	32	2	232	31	98	1002	0.00
	08:00	21	26	11	24	27	55	75	2	226	30	98	1002	0.00
	08:15	22	26	11	23	27	23	29	1	275	31	98	1002	0.00
	08:30	35	33	13	24	29	33	39	2	209	30	98	1002	0.00
	08:45	25	36	15	29	37	42	55	2	230	31	98	1002	0.00
	09:00	51	80	23	32	31	41	44	3	222	31	98	1002	0.00
	09:15	49	42	17	44	42	46	56	2	231	31	97	1002	0.00
	09:30	21	38	15	35	61	99	130	3	232	31	97	1002	0.00
	09:45	25	47	21	33	42	92	175	3	230	31	97	1002	0.00
	10:00	94	65	22	43	23	128	158	3	229	31	97	1002	0.00
	10:15	31	29	12	46	23	32	42	3	230	32	96	1002	0.00
	10:30	21	23	10	23	22	56	66	4	228	32	95	1002	0.00
	10:45	19	22	9	21	21	39	45	3	215	32	96	1002	0.00
	11:00	24	22	9	19	22	18	23	3	203	33	95	1002	0.00
	11:15	20	22	10	21	19	20	25	3	214	33	94	1001	0.00
	11:30	21	20	9	20	22	20	23	4	206	33	94	1001	0.00
	11:45	94	35	9	18	20	21	24	3	200	34	93	1001	0.00
1/29/2024	12:00	23	25	12	19	20	53	48	4	214	35	91	1001	0.00
	12:15	19	19	8	26	19	17	21	3	212	35	91	1001	0.00
	12:30	17	20	9	18	20	19	22	3	204	37	89	1000	0.00
	12:45	18	19	9	20	19	20	25	5	216	37	87	1000	0.00
	13:00	22	18	8	19	19	26	32	4	201	39	86	1000	0.00
	13:15	21	21	10	20	18	31	45	4	219	39	87	1000	0.00
	13:30	31	39	13	23	28	59	64	3	199	42	82	999	0.00
	13:45	50	45	15	31	21	31	72	3	200	43	80	999	0.00
	14:00	33	30	10	30	18	345	313	3	198	44	81	999	0.00
	14:15	46	30	10	22	19	1476	2615	3	186	46	79	999	0.00
	14:30	53	30	9	23	19	17	21	4	199	46	78	999	0.00
	14:45	82	52	12	20	20	37	44	4	222	47	77	998	0.00
	15:00	25	20	8	28	17	23	24	4	221	47	74	998	0.00
	15:15	16	16	7	18	16	17	19	4	219	48	74	998	0.00
	15:30	14	15	7	17	15	14	17	5	223	48	70	998	0.00
	15:45	13	14	6	16	14	15	17	4	213	48	70	998	0.00
	16:00	14	14	6	15	16	12	15	5	216	48	72	998	0.00
	16:15	15	14	6	16	14	14	16	3	215	48	71	998	0.00
	16:30	18	17	8	17	16	13	17	4	194	47	75	997	0.00
	16:45	18	23	11	21	16	14	18	3	193	46	78	997	0.00
	17:00	17	21	8	20	16	15	18	3	179	44	83	997	0.00
	17:15	18	19	8	18	16	13	17	4	182	43	85	997	0.00
	17:30	21	25	10	18	19	16	21	3	189	43	85	997	0.00
	17:45	20	25	11	22	21	18	23	3	181	41	88	997	0.00
	18:00	24	26	11	23	23	18	23	3	188	41	88	996	0.00
	18:15	27	29	12	24	25	21	27	3	189	41	90	997	0.00
	18:30	28	34	14	26	30	22	30	4	183	40	92	996	0.00
	18:45	34	39	17	30	36	29	35	4	185	40	92	996	0.00
	19:00	38	40	18	34	38	32	39	4	185	39	93	996	0.00
	19:15	33	40	18	37	38	30	41	4	187	39	93	996	0.00
	19:30	34	37	15	37	34	31	39	4	184	39	92	996	0.00
	19:45	32	35	15	34	33	30	36	3	188	39	92	996	0.00
	20:00	27	34	15	32	31	27	34	3	186	39	92	996	0.00
	20:15	30	32	14	34	30	25	32	3	193	38	94	996	0.00
	20:30	28	31	14	31	30	23	30	3	188	38	93	996	0.00
	20:45	25	28	12	26	27	24	29	4	192	39	91	996	0.00
	21:00	25	27	11	26	24	20	26	4	189	39	91	995	0.00
	21:15	23	26	12	25	23	21	25	4	188	39	90	995	0.00
	21:30	20	25	11	24	22	20	24	4	190	39	89	995	0.00
	21:45	21	23	10	23	21	17	23	4	185	39	88	995	0.00
	22:00	20	22	9	23	21	17	22	4	190	39	88	995	0.00
	22:15	18	21	9	21	21	17	23	4	187	39	87	994	0.00
	22:30	19	21	9	21	20	16	23	4	188	39	87	994	0.00
	22:45	21	22	9	20	20	17	22	5	188	39	87	994	0.00
	23:00	20	22	10	20	21	19	23	4	187	39	89	994	0.00
	23:15	18	22	10	22	20	18	23	4	190	38	90	994	0.00
	23:30	21	23	10	22	23	19	23	4	191	38	90	993	0.00
	23:45	21	23	10	21	22	17	23	4	192	38	90	993	0.00
	00:00	18	23	9	22	22	19	24	4	194	38	91	993	0.00

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

Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature [°F]	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	19	23	11	22	21	19	24	5	198	38	91	993	0.00
	00:30	19	25	12	20	23	19	26	5	199	38	91	993	0.00
	00:45	18	25	11	22	24	20	26	4	206	37	91	992	0.00
	01:00	20	25	10	23	23	21	26	4	208	37	91	992	0.00
	01:15	18	24	11	22	24	21	26	4	212	37	92	992	0.00
	01:30	17	24	11	22	22	19	25	4	207	37	92	992	0.00
	01:45	19	23	10	21	22	18	25	5	198	37	93	992	0.00
	02:00	15	22	9	19	21	19	23	5	197	37	92	992	0.00
	02:15	17	22	10	20	21	18	23	4	203	37	91	992	0.00
	02:30	17	22	10	20	20	17	22	4	217	38	91	992	0.00
	02:45	14	20	9	20	20	18	22	5	215	38	91	992	0.00
	03:00	16	20	8	19	19	17	22	4	206	37	92	991	0.00
	03:15	14	20	9	18	19	18	22	4	211	37	92	991	0.00
	03:30	15	20	9	18	19	16	21	4	208	37	92	991	0.00
	03:45	14	19	9	18	19	16	21	4	197	37	94	991	0.01
	04:00	13	19	8	18	18	16	20	5	201	37	95	991	0.02
	04:15	14	19	8	17	18	16	20	4	205	37	96	990	0.00
	04:30	13	19	8	17	19	15	20	4	205	37	96	990	0.01
	04:45	14	20	9	16	19	17	22	4	214	37	96	990	0.01
	05:00	14	19	9	18	19	17	21	3	218	37	97	990	0.00
	05:15	12	18	8	18	18	15	19	3	216	37	97	990	0.00
	05:30	14	18	8	17	17	15	18	2	225	37	97	990	0.00
	05:45	11	17	8	16	16	15	18	3	226	37	97	990	0.00
	06:00	11	15	6	14	16	13	17	2	238	38	97	990	0.00
	06:15	9	14	6	14	13	12	15	2	219	38	98	990	0.00
	06:30	9	13	6	12	12	11	14	3	217	38	97	990	0.00
	06:45	8	13	5	11	13	11	14	3	224	38	96	990	0.00
	07:00	9	13	5	11	13	11	14	3	223	38	96	991	0.00
	07:15	8	14	6	11	14	12	14	3	228	39	97	991	0.00
	07:30	10	15	6	11	14	12	16	2	218	39	97	991	0.00
	07:45	8	13	5	13	13	12	15	3	211	39	96	991	0.00
	08:00	8	14	6	11	14	12	16	3	225	39	94	991	0.00
	08:15	9	13	6	12	14	13	18	3	234	38	94	991	0.00
	08:30	9	14	6	11	22	31	37	3	254	38	93	991	0.00
	08:45	6	12	5	11	16	33	40	2	234	38	94	992	0.00
	09:00	8	12	5	10	12	30	30	2	243	37	94	992	0.00
	09:15	7	12	5	10	11	11	15	2	244	37	93	992	0.00
	09:30	6	11	5	10	11	15	19	2	232	38	92	992	0.00
	09:45	8	12	5	10	13	14	17	3	210	38	92	992	0.00
	10:00	8	12	5	11	14	28	36	2	214	38	91	992	0.00
	10:15	6	11	5	11	13	44	60	2	237	39	91	992	0.00
	10:30	6	11	4	10	12	28	45	2	230	39	89	992	0.00
	10:45	5	10	4	9	11	39	48	3	246	39	89	992	0.00
	11:00	5	9	4	8	11	48	73	2	235	39	88	992	0.00
	11:15	3	8	3	7	9	48	54	3	226	39	88	992	0.00
	11:30	3	8	3	6	10	45	63	3	217	40	87	992	0.00
	11:45	3	7	3	6	10	30	58	2	220	40	86	992	0.00
1/30/2024	12:00	3	7	3	6	18	245	344	2	217	41	85	992	0.00
	12:15	3	7	3	6	8	44	40	3	232	41	83	992	0.00
	12:30	3	7	3	6	9	39	59	3	211	42	83	992	0.00
	12:45	3	7	3	6	27	560	738	2	212	42	81	992	0.00
	13:00	4	8	3	6	12	153	179	2	207	43	81	992	0.00
	13:15	4	7	4	6	8	69	77	3	268	43	80	992	0.00
	13:30	3	6	1	7	9	85	117	3	282	43	79	992	0.00
	13:45	4	7	3	5	16	108	147	2	256	43	79	992	0.00
	14:00	3	8	3	5	17	113	153	3	199	44	79	992	0.00
	14:15	3	7	2	6	18	268	353	3	218	44	77	992	0.00
	14:30	2	6	2	6	7	116	250	3	259	43	78	992	0.00
	14:45	2	6	2	5	8	322	274	3	224	43	77	992	0.00
	15:00	1	5	2	5	3	3	3	3	221	43	78	992	0.00
	15:15	1	5	1	5	5	6	8	2	216	43	78	993	0.00
	15:30	0	3	1	4	5	4	6	2	213	42	78	993	0.00
	15:45	0	2	0	3	5	14	16	2	210	42	77	993	0.00
	16:00	0	2	0	1	3	3	3	2	214	42	76	993	0.00
	16:15	0	2	0	1	3	2	2	2	226	42	77	994	0.00
	16:30	0	2	0	2	2	2	3	2	217	42	77	994	0.00
	16:45	0	2	0	1	1	2	2	3	225	41	76	994	0.00
	17:00	0	2	0	1	1	2	2	3	239	41	77	994	0.00
	17:15	0	2	0	1	1	1	1	2	229	41	76	994	0.00
	17:30	0	1	0	1	1	1	1	2	213	41	78	994	0.00
	17:45	0	2	0	0	1	1	1	2	224	40	79	995	0.00
	18:00	0	2	0	1	2	1	2	2	220	40	80	995	0.00
	18:15	0	2	0	1	2	1	2	2	228	40	81	995	0.00
	18:30	0	2	0	2	2	1	2	2	237	40	82	995	0.00
	18:45	0	3	1	2	3	2	3	2	228	39	84	995	0.00
	19:00	0	4	1	3	3	3	3	2	215	39	85	996	0.00
	19:15	0	4	1	3	4	3	4	2	200	39	89	996	0.00
	19:30	1	5	2	4	4	4	5	2	216	38	90	996	0.00
	19:45	2	6	2	5	5	4	5	2	219	38	91	996	0.00
	20:00	2	6	2	5	5	4	6	2	210	38	90	996	0.00
	20:15	2	6	2	5	6	5	6	2	220	38	90	996	0.00
	20:30	4	7	2	6	6	6	7	3	221	38	91	996	0.00
	20:45	4	8	3	7	7	6	7	3	217	38	91	996	0.00
	21:00	6	9	4	7	9	8	10	3	213	38	91	997	0.00
	21:15	5	9	4	9	9	8	10	3	220	38	91	997	0.00
	21:30	5	9	3	9	8	7	9	3	216	38	91	997	0.00
	21:45	5	8	3	8	8	7	9	2	206	38	91	997	0.00
	22:00	4	8	3	8	8	7	8	2	211	38	91	997	0.00
	22:15	5	8	3	8	7	7	8	2	203	38	91	997	0.00
	22:30	5	8	3	8	7	7	8	2	210	38	91	997	0.00
	22:45	4	8	3	8	8	6	8	2	203	38	91	997	0.00
	23:00	4	9	3	8	8	7	9	2	198	38	92	997	0.00
	23:15	6	9	3	8	9	8	9	2	200	37	92	997	0.00
	23:30	6	9	3	9	9	8	9	2	202	37	92	997	0.00
	23:45	5	9	3	9	8	7	9	2	205	37	92	997	0.00
	00:00	4	9	3	8	8	7	9	2	205	37	92	997	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	3	8	3	8	7	6	8	2	206	37	92	997	0.00
	00:30	3	7	3	7	7	6	8	2	203	37	91	997	0.00
	00:45	3	7	3	7	7	6	8	2	206	37	91	998	0.00
	01:00	3	7	3	7	7	6	8	1	194	37	91	998	0.00
	01:15	3	8	3	7	7	6	8	2	202	37	91	998	0.00
	01:30	3	7	3	7	7	6	8	1	209	37	91	998	0.00
	01:45	2	7	3	7	7	6	8	1	217	37	90	998	0.00
	02:00	2	7	2	6	6	5	7	2	219	37	89	998	0.00
	02:15	2	6	2	6	6	5	6	2	204	37	88	998	0.00
	02:30	1	6	2	5	6	5	6	2	203	37	87	998	0.00
	02:45	0	5	2	4	5	5	6	2	206	37	88	998	0.00
	03:00	1	5	2	4	5	4	6	2	200	37	88	999	0.00
	03:15	1	5	2	4	5	4	5	2	205	37	87	999	0.00
	03:30	1	5	2	4	5	4	5	2	205	37	88	999	0.00
	03:45	1	5	2	4	5	4	6	2	214	37	89	999	0.00
	04:00	1	6	2	5	5	5	6	2	216	37	90	999	0.00
	04:15	2	6	3	5	5	5	6	2	214	37	90	999	0.00
	04:30	4	8	3	6	6	7	8	2	218	37	90	999	0.00
	04:45	3	7	3	7	7	6	7	2	211	37	91	999	0.00
	05:00	3	7	3	6	6	6	7	2	221	37	90	999	0.00
	05:15	1	5	2	6	5	4	6	2	218	37	90	999	0.00
	05:30	1	5	2	4	5	4	5	2	215	37	90	999	0.00
	05:45	1	6	2	4	6	5	6	2	215	37	90	1000	0.00
	06:00	3	7	3	5	7	6	8	2	221	36	91	1000	0.00
	06:15	4	7	3	6	7	6	8	2	215	36	91	1000	0.00
	06:30	3	8	3	7	7	6	8	2	216	36	92	1000	0.00
	06:45	2	7	3	7	7	6	8	2	208	36	92	1000	0.00
	07:00	4	7	3	6	7	7	8	2	192	36	92	1000	0.00
	07:15	3	7	3	7	7	6	7	2	190	36	93	1000	0.00
	07:30	3	7	3	6	6	6	8	2	190	36	93	1000	0.00
	07:45	3	8	3	6	7	6	7	2	195	36	93	1000	0.00
	08:00	4	9	4	7	8	6	7	2	189	36	93	1000	0.00
	08:15	3	7	4	8	8	6	8	2	210	37	91	1000	0.00
	08:30	3	8	5	9	8	7	12	2	219	37	90	1001	0.00
	08:45	2	7	3	14	30	24	20	2	201	37	90	1001	0.00
	09:00	3	7	3	8	30	23	29	2	211	38	89	1001	0.00
	09:15	3	8	3	7	17	41	38	3	226	38	88	1001	0.00
	09:30	2	9	4	8	13	40	38	2	215	38	88	1001	0.00
	09:45	3	18	4	9	7	7	8	2	220	39	86	1001	0.00
	10:00	3	15	4	10	7	26	29	3	206	39	87	1001	0.00
	10:15	4	28	12	9	13	18	38	3	202	40	85	1001	0.00
	10:30	3	43	5	26	8	10	11	2	197	40	81	1001	0.00
	10:45	3	50	8	10	14	45	51	3	221	40	78	1001	0.00
	11:00	2	37	8	16	13	47	42	4	213	40	79	1001	0.00
	11:15	2	35	5	19	6	10	11	3	218	40	80	1001	0.00
	11:30	2	20	5	7	13	11	15	4	226	41	79	1001	0.00
	11:45	2	16	5	10	26	47	59	4	222	41	79	1001	0.00
1/31/2024	12:00	2	26	7	12	20	139	146	4	226	41	78	1001	0.00
	12:15	3	49	10	14	9	13	17	4	218	41	80	1001	0.00
	12:30	1	20	2	20	5	6	7	4	214	41	79	1000	0.00
	12:45	2	6	3	5	6	5	6	4	231	41	78	1000	0.00
	13:00	1	6	2	5	5	6	6	4	215	41	79	1000	0.00
	13:15	2	6	3	6	6	6	6	4	204	41	78	1000	0.00
	13:30	1	5	2	5	5	5	6	4	219	41	79	1000	0.00
	13:45	3	24	5	5	31	177	204	4	213	42	79	1000	0.00
	14:00	8	27	7	15	16	84	82	4	206	42	78	1000	0.00
	14:15	4	11	3	12	6	10	12	5	218	42	78	999	0.00
	14:30	6	20	3	6	6	13	12	4	211	42	78	999	0.00
	14:45	2	15	5	8	11	15	17	4	209	42	79	999	0.00
	15:00	11	16	5	12	14	32	27	4	210	43	76	999	0.00
	15:15	6	15	6	13	6	10	10	4	214	44	76	999	0.00
	15:30	1	12	2	12	5	14	20	5	207	44	75	999	0.00
	15:45	1	14	3	5	5	8	7	5	215	45	74	998	0.00
	16:00	1	7	2	5	5	4	5	4	216	45	76	998	0.00
	16:15	2	5	2	4	5	4	5	4	211	45	76	998	0.00
	16:30	1	6	3	5	5	5	5	5	211	44	78	998	0.00
	16:45	1	7	2	5	5	5	5	4	207	44	80	998	0.00
	17:00	1	5	2	4	4	4	5	4	210	43	80	998	0.00
	17:15	1	5	2	4	4	4	5	3	203	42	83	998	0.00
	17:30	1	5	2	4	4	4	5	3	192	41	85	998	0.00
	17:45	1	5	2	4	4	4	5	2	180	40	87	998	0.00
	18:00	1	5	2	5	4	4	4	2	184	39	89	998	0.00
	18:15	1	6	2	5	4	4	4	2	197	38	93	998	0.00
	18:30	1	5	2	4	5	4	6	2	195	37	94	998	0.00
	18:45	2	6	2	4	5	5	6	2	199	36	95	998	0.00
	19:00	2	7	3	4	6	5	6	2	186	36	96	997	0.00
	19:15	3	8	3	6	6	6	7	2	193	35	96	997	0.00
	19:30	5	11	5	7	9	7	9	2	180	36	95	997	0.00
	19:45	9	14	6	9	11	8	11	2	182	35	95	997	0.00
	20:00	7	12	5	11	13	10	13	2	183	35	95	997	0.00
	20:15	8	12	5	9	12	10	13	2	188	35	95	997	0.00
	20:30	8	13	5	9	11	10	13	3	177	35	94	997	0.00
	20:45	8	12	5	10	11	9	12	2	173	35	96	996	0.00
	21:00	8	12	5	10	11	10	12	2	176	34	96	996	0.00
	21:15	9	13	5	9	12	10	12	3	176	35	95	997	0.00
	21:30	9	13	5	9	13	10	13	2	175	34	96	996	0.00
	21:45	9	13	5	10	13	11	14	2	182	34	96	996	0.00
	22:00	9	13	5	10	11	11	14	2	178	33	97	996	0.00
	22:15	9	14	5	10	13	11	14	2	184	34	97	996	0.00
	22:30	8	14	6	11	14	11	14	4	200	36	93	996	0.00
	22:45	9	14	6	11	13	11	13	4	207	38	90	996	0.00
	23:00	10	15	6	12	12	11	15	5	203	39	88	996	0.00
	23:15	9	15	7	13	14	12	14	4	210	38	87	996	0.00
	23:30	10	15	7	14	14	11	15	4	212	38	88	995	0.00
	23:45	11	15	6	14	14	13	16	4	211	38	88	995	0.00
	00:00	9	14	6	14	12	11	15	5	210	38	88	995	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	5	14	6	13	13	11	13	4	206	38	88	995	0.00
	00:30	3	13	5	12	12	11	13	4	214	38	88	995	0.00
	00:45	1	12	5	11	12	10	13	4	213	38	88	995	0.00
	01:00	3	13	5	12	12	10	13	4	203	38	89	995	0.00
	01:15	3	13	6	12	12	11	14	4	202	37	89	995	0.00
	01:30	2	13	5	12	13	11	13	4	193	37	89	995	0.00
	01:45	1	12	5	11	12	9	13	3	191	37	90	995	0.00
	02:00	2	11	5	11	11	10	12	4	194	37	89	995	0.00
	02:15	1	10	4	9	9	9	11	3	191	37	89	995	0.00
	02:30	0	10	4	9	9	8	10	4	199	37	89	995	0.00
	02:45	0	9	4	8	9	8	9	4	194	37	88	995	0.00
	03:00	0	9	4	8	9	8	10	4	198	37	89	995	0.00
	03:15	0	8	3	8	8	7	9	3	199	37	89	995	0.00
	03:30	0	8	3	7	7	7	8	4	205	37	89	995	0.00
	03:45	0	7	3	6	7	7	8	4	206	37	89	994	0.00
	04:00	0	7	3	6	7	6	8	4	208	37	90	994	0.00
	04:15	0	7	2	5	6	6	7	3	198	36	89	994	0.00
	04:30	0	6	2	5	6	6	7	3	203	36	89	994	0.00
	04:45	0	6	2	5	5	5	6	4	201	36	89	994	0.00
	05:00	0	5	2	4	6	5	6	3	202	36	90	994	0.00
	05:15	0	5	2	4	5	5	6	3	206	36	90	994	0.00
	05:30	0	5	2	4	5	5	6	4	204	36	89	994	0.00
	05:45	0	5	2	4	5	4	6	3	191	37	88	994	0.00
	06:00	0	5	2	4	4	4	5	4	204	37	89	994	0.00
	06:15	0	5	2	4	5	5	5	4	207	37	89	994	0.00
	06:30	0	5	2	4	5	4	5	4	209	37	89	994	0.00
	06:45	0	5	2	4	5	4	5	4	212	37	89	994	0.00
	07:00	1	5	2	4	5	4	5	4	211	37	89	994	0.00
	07:15	4	6	2	4	5	4	5	4	210	37	89	993	0.00
	07:30	7	5	2	4	5	4	5	4	212	37	88	993	0.00
	07:45	4	5	2	4	4	4	5	5	203	37	87	993	0.00
	08:00	1	6	2	4	5	4	5	4	201	38	85	994	0.00
	08:15	0	6	2	4	5	4	5	4	204	39	83	993	0.00
	08:30	0	5	2	4	5	4	5	4	199	40	82	993	0.00
	08:45	0	5	2	4	5	4	5	4	206	41	80	993	0.00
	09:00	4	6	2	4	5	4	5	4	193	42	80	993	0.00
	09:15	3	5	2	5	5	3	5	4	190	42	80	993	0.00
	09:30	3	5	2	5	5	4	5	4	193	42	81	993	0.00
	09:45	3	6	2	4	4	5	5	5	197	43	80	993	0.00
	10:00	4	6	2	4	4	4	5	5	198	44	77	993	0.00
	10:15	2	5	2	4	4	4	5	5	193	46	75	993	0.00
	10:30	3	4	2	4	4	4	5	5	211	48	72	993	0.00
	10:45	3	5	2	4	4	4	5	4	224	50	70	993	0.00
	11:00	4	5	2	5	4	4	5	4	215	51	71	993	0.00
	11:15	2	5	2	6	4	4	6	5	231	52	68	993	0.00
	11:30	3	5	2	5	4	5	6	4	220	52	68	992	0.00
	11:45	3	5	2	6	4	4	5	4	232	53	66	992	0.00
2/1/2024	12:00	4	11	2	5	4	4	5	5	235	54	64	992	0.00
	12:15	2	17	3	6	4	4	5	5	239	55	62	991	0.00
	12:30	2	5	1	8	4	4	5	5	236	57	62	991	0.00
	12:45	1	4	1	5	4	4	5	5	247	58	62	991	0.00
	13:00	1	4	1	4	3	4	5	4	239	58	63	991	0.00
	13:15	2	10	2	4	4	4	5	4	233	59	63	990	0.00
	13:30	1	17	3	6	3	4	5	4	232	59	62	990	0.00
	13:45	2	10	2	7	3	4	5	4	233	60	62	990	0.00
	14:00	2	6	1	4	4	4	5	3	234	60	62	990	0.00
	14:15	2	9	1	4	4	4	6	3	239	59	62	990	0.00
	14:30	3	5	2	4	18	23	19	3	231	59	64	990	0.00
	14:45	3	5	2	6	14	15	15	3	235	59	65	990	0.00
	15:00	3	6	2	5	17	18	11	2	226	59	66	990	0.00
	15:15	4	13	3	7	8	6	7	1	229	59	68	990	0.00
	15:30	3	5	2	7	6	6	7	1	216	58	70	990	0.00
	15:45	3	5	2	6	6	6	7	1	230	58	68	990	0.00
	16:00	3	5	2	6	6	6	7	1	223	58	71	990	0.00
	16:15	4	5	2	5	6	6	7	1	236	58	71	990	0.00
	16:30	3	5	2	6	6	7	7	2	235	58	71	990	0.00
	16:45	3	5	2	5	6	6	7	2	239	57	71	990	0.00
	17:00	4	6	2	6	6	6	7	2	240	57	72	990	0.00
	17:15	4	6	2	6	6	6	8	2	210	56	75	990	0.00
	17:30	4	6	2	6	7	7	9	2	228	54	78	990	0.00
	17:45	4	6	2	6	6	6	8	1	240	53	80	990	0.00
	18:00	3	6	2	6	6	5	7	1	233	52	82	990	0.00
	18:15	4	5	2	6	6	5	7	2	226	51	84	990	0.00
	18:30	4	6	2	6	6	6	7	1	235	49	85	990	0.00
	18:45	4	6	2	6	6	6	7	2	209	49	88	990	0.00
	19:00	4	6	2	7	6	5	7	2	206	48	90	990	0.00
	19:15	4	5	2	6	6	5	7	2	200	47	90	991	0.00
	19:30	4	5	2	6	6	6	7	3	193	46	92	991	0.00
	19:45	3	5	2	6	6	5	6	2	182	45	94	991	0.00
	20:00	3	5	2	6	6	5	7	2	189	45	94	991	0.00
	20:15	4	5	2	5	6	6	7	2	198	44	95	991	0.00
	20:30	3	5	2	6	5	5	7	2	188	44	95	991	0.00
	20:45	4	6	2	6	6	5	7	2	189	44	96	991	0.00
	21:00	23	12	4	6	6	11	14	2	188	44	96	991	0.00
	21:15	28	20	7	8	10	19	24	2	186	43	96	991	0.00
	21:30	9	9	3	13	7	7	8	2	179	43	96	991	0.00
	21:45	5	6	2	9	5	6	8	1	180	42	97	991	0.00
	22:00	4	5	2	6	6	6	7	2	191	42	97	991	0.00
	22:15	8	8	5	6	9	7	10	1	89	41	98	991	0.00
	22:30	15	20	9	11	22	18	23	1	139	42	98	991	0.00
	22:45	13	15	7	20	16	14	17	1	115	43	98	991	0.00
	23:00	11	13	5	16	13	12	15	2	131	44	96	991	0.00
	23:15	10	12	5	13	12	12	14	2	132	44	96	992	0.00
	23:30	9	11	5	13	12	10	13	3	116	44	95	992	0.00
	23:45	8	11	5	12	11	10	12	4	104	44	92	992	0.00
	00:00	9	11	4	11	11	10	13	5	86	44	91	992	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
2/2/2024	00:15	7	11	5	11	11	10	12	4	131	44	92	992	0.00
	00:30	7	11	5	10	12	10	13	2	131	43	93	992	0.00
	00:45	7	12	5	10	13	11	14	2	114	43	93	992	0.00
	01:00	10	15	6	10	15	14	17	4	95	43	94	992	0.00
	01:15	10	16	7	14	16	13	17	2	58	42	95	992	0.00
	01:30	12	17	8	13	18	16	19	4	70	42	95	992	0.00
	01:45	16	20	9	15	20	19	22	2	81	41	96	992	0.00
	02:00	20	25	12	18	27	22	30	3	84	40	96	993	0.00
	02:15	30	36	16	24	35	31	39	2	59	39	95	992	0.00
	02:30	45	48	23	34	49	44	54	4	46	38	95	993	0.00
	02:45	49	53	25	46	54	48	59	5	43	37	97	993	0.00
	03:00	37	48	22	47	46	38	54	5	44	36	98	993	0.00
	03:15	43	48	20	42	45	42	54	5	50	36	99	993	0.00
	03:30	32	45	20	41	44	34	45	5	50	36	99	993	0.00
	03:45	36	41	19	37	41	36	43	4	51	36	99	993	0.00
	04:00	30	40	17	38	36	33	44	5	54	36	99	993	0.00
	04:15	28	32	15	34	34	27	36	5	49	36	99	993	0.00
	04:30	27	37	16	28	36	30	36	6	54	36	100	993	0.00
	04:45	34	43	20	31	40	33	47	5	51	36	100	994	0.00
	05:00	32	39	18	39	40	35	43	7	53	36	100	994	0.00
	05:15	23	32	14	34	29	27	33	5	60	36	100	994	0.00
	05:30	26	31	15	28	32	27	35	7	58	36	100	994	0.00
	05:45	24	31	14	27	33	30	36	7	60	36	100	994	0.00
	06:00	28	33	16	29	32	29	35	6	62	36	100	994	0.00
	06:15	27	34	15	31	36	28	38	5	77	36	100	994	0.00
	06:30	28	33	16	30	32	30	37	5	81	36	99	994	0.00
	06:45	26	34	15	28	33	28	35	5	78	37	99	995	0.00
	07:00	31	37	17	30	37	32	39	6	83	37	98	995	0.00
	07:15	29	37	17	33	37	31	41	5	106	37	98	995	0.00
	07:30	36	42	19	34	38	37	46	6	86	37	98	995	0.00
	07:45	41	47	23	39	48	39	51	6	70	37	97	995	0.00
	08:00	40	49	21	43	49	45	53	5	87	37	97	995	0.00
	08:15	45	49	23	43	47	53	63	5	94	37	96	995	0.00
	08:30	40	47	22	45	46	52	61	6	78	38	96	996	0.00
	08:45	42	48	21	44	48	73	81	7	63	38	95	996	0.00
	09:00	42	46	22	46	45	50	63	7	85	38	93	996	0.00
	09:15	39	45	21	41	46	57	65	8	87	38	94	996	0.00
	09:30	40	50	22	42	48	51	61	8	67	39	92	996	0.00
	09:45	42	50	23	45	50	56	71	9	64	39	92	996	0.00
	10:00	44	48	22	46	48	47	54	10	61	40	91	996	0.00
	10:15	43	48	22	43	45	54	63	10	65	40	89	996	0.00
	10:30	36	45	21	42	42	50	56	11	65	40	89	996	0.00
	10:45	36	43	20	41	41	59	64	9	61	41	87	996	0.00
	11:00	41	48	24	45	45	39	49	9	58	41	87	996	0.00
	11:15	39	42	19	41	40	46	51	9	71	42	85	996	0.00
	11:30	32	41	20	36	40	49	53	9	75	43	84	996	0.00
	11:45	38	41	20	40	41	45	52	9	71	43	84	995	0.00
	12:00	38	41	19	39	38	41	47	8	91	43	84	995	0.00
	12:15	38	42	19	39	36	39	41	9	97	43	85	995	0.00
	12:30	47	49	23	38	40	36	48	9	67	42	86	995	0.00
	12:45	42	45	24	45	42	44	48	7	63	42	85	995	0.00
	13:00	38	45	22	48	39	41	46	8	66	42	86	995	0.00
	13:15	30	38	18	43	39	35	41	9	88	41	85	995	0.00
	13:30	33	38	17	33	41	41	48	9	81	41	86	995	0.00
	13:45	28	33	16	33	32	42	47	6	100	42	84	995	0.00
	14:00	28	35	17	32	32	51	54	7	79	42	84	995	0.00
	14:15	26	33	15	32	32	49	58	8	73	42	84	994	0.00
	14:30	27	35	16	31	33	39	47	7	97	43	83	995	0.00
	14:45	27	32	15	31	32	46	52	8	97	42	83	994	0.00
	15:00	25	28	13	28	29	28	34	7	116	43	81	994	0.00
	15:15	22	29	13	27	26	26	30	8	92	43	82	994	0.00
	15:30	23	28	13	27	27	25	29	8	85	43	82	994	0.00
	15:45	22	28	12	26	26	26	29	7	78	43	82	995	0.00
	16:00	17	25	11	24	25	22	26	6	120	43	83	995	0.00
	16:15	21	26	13	20	30	26	31	6	83	43	82	995	0.00
	16:30	19	24	12	24	29	25	30	6	84	43	82	995	0.00
	16:45	13	21	10	21	24	20	25	6	89	43	83	995	0.00
	17:00	12	19	8	20	25	22	26	6	77	42	82	995	0.00
	17:15	16	19	9	17	19	20	21	7	89	42	82	995	0.00
	17:30	12	18	8	18	21	17	20	5	78	42	83	995	0.00
	17:45	12	18	9	14	28	21	27	5	89	42	83	995	0.00
	18:00	14	20	9	17	24	20	24	4	89	42	83	995	0.00
	18:15	15	21	10	17	26	21	26	5	86	42	84	995	0.00
	18:30	11	16	8	17	21	18	21	5	82	42	84	995	0.00
	18:45	9	16	7	14	19	17	19	4	75	41	85	995	0.00
	19:00	11	17	8	13	19	16	20	5	93	41	85	995	0.00
	19:15	11	16	7	15	19	16	20	6	74	41	86	995	0.00
	19:30	12	17	7	14	18	15	19	6	82	40	87	995	0.00
	19:45	11	16	7	14	17	15	18	7	81	40	87	995	0.00
	20:00	11	17	8	14	17	16	19	7	76	40	86	995	0.00
	20:15	13	18	8	14	17	16	19	7	80	39	86	995	0.00
	20:30	14	18	8	15	18	15	20	7	82	39	86	995	0.00
	20:45	13	19	8	15	19	17	21	7	92	39	87	995	0.00
	21:00	14	20	9	16	20	18	22	7	86	39	87	995	0.00
	21:15	15	20	9	17	20	18	22	7	90	38	87	995	0.00
	21:30	15	20	9	17	20	16	21	7	81	38	87	995	0.00
	21:45	13	20	8	16	19	17	21	7	87	37	88	995	0.00
	22:00	15	20	9	16	19	18	21	6	96	37	89	995	0.00
	22:15	15	20	9	16	20	18	22	6	94	37	89	995	0.00
	22:30	14	21	9	16	21	18	23	5	86	36	89	995	0.00
	22:45	17	22	10	16	22	20	23	4	93	36	90	995	0.00
	23:00	17	22	10	18	23	20	24	4	87	36	90	995	0.00
	23:15	15	22	9	18	22	18	24	4	97	35	91	995	0.00
	23:30	16	22	10	19	21	20	24	4	99	35	91	995	0.00
	23:45	17	21	10	18	21	20	24	4	97	34	92	995	0.00
	00:00	15	21	9	18	22	18	24	4	97	34	92	995	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	18	21	9	18	21	19	23	4	96	34	92	995	0.00
	00:30	14	20	9	21	21	18	22	3	99	34	92	995	0.00
	00:45	15	20	8	21	19	17	22	4	100	34	92	994	0.00
	01:00	13	18	8	19	17	17	20	4	105	34	92	994	0.00
	01:15	10	17	7	18	17	14	18	4	93	34	92	994	0.00
	01:30	10	15	7	16	15	14	16	5	80	34	91	994	0.00
	01:45	9	14	6	14	14	11	14	6	85	34	91	994	0.00
	02:00	7	13	6	14	12	12	14	5	104	34	92	994	0.00
	02:15	7	12	5	13	11	10	13	5	108	34	92	994	0.00
	02:30	5	11	5	11	11	9	12	5	96	33	93	994	0.00
	02:45	5	10	4	10	10	9	11	5	101	33	93	994	0.00
	03:00	4	9	4	10	10	8	10	5	98	33	93	994	0.00
	03:15	4	9	4	10	8	8	10	5	97	33	94	994	0.00
	03:30	4	9	4	9	9	8	10	5	99	33	94	994	0.00
	03:45	3	9	4	10	9	8	10	5	93	32	94	994	0.00
	04:00	5	10	4	9	10	8	10	5	109	32	94	994	0.00
	04:15	4	10	4	9	9	8	11	5	105	32	94	994	0.00
	04:30	5	10	4	10	10	9	11	5	102	32	94	994	0.00
	04:45	5	10	4	10	11	9	11	4	111	32	94	994	0.00
	05:00	6	11	4	11	11	10	12	6	97	32	94	994	0.00
	05:15	6	12	5	12	11	10	13	4	102	32	95	994	0.00
	05:30	7	12	5	11	12	10	13	5	99	32	95	994	0.00
	05:45	7	12	5	12	13	10	13	4	94	31	95	994	0.00
	06:00	7	13	6	13	12	11	14	3	115	31	95	994	0.00
	06:15	8	13	5	13	13	11	13	4	114	31	95	994	0.00
	06:30	7	13	5	13	14	11	15	4	113	31	95	994	0.00
	06:45	9	13	6	13	14	11	15	5	107	31	95	994	0.00
	07:00	8	14	6	14	14	12	15	4	100	31	95	994	0.00
	07:15	10	14	6	14	14	12	14	5	103	31	95	995	0.00
	07:30	8	14	6	14	15	12	16	5	109	31	95	995	0.00
	07:45	9	14	6	14	14	13	16	5	98	31	94	995	0.00
	08:00	8	14	6	14	13	11	15	5	106	32	93	995	0.00
	08:15	9	14	6	14	13	12	14	5	116	33	91	995	0.00
	08:30	8	14	6	13	14	11	14	6	109	34	90	995	0.00
	08:45	8	13	6	13	13	11	14	6	114	34	88	995	0.00
	09:00	7	14	6	13	13	11	14	6	109	35	87	994	0.00
	09:15	9	14	6	13	13	12	14	6	114	36	87	994	0.00
	09:30	10	14	7	13	14	11	14	6	107	37	85	994	0.00
	09:45	8	13	6	15	12	12	14	5	129	38	82	995	0.00
	10:00	9	15	10	13	13	13	16	6	120	39	82	994	0.00
	10:15	7	14	7	16	14	13	14	6	126	40	79	994	0.00
	10:30	5	14	6	15	13	14	14	7	116	41	79	994	0.00
	10:45	5	13	6	14	14	13	14	7	111	41	78	994	0.00
	11:00	4	13	7	13	12	11	14	6	119	43	77	994	0.00
	11:15	4	13	6	13	12	12	15	7	108	44	75	994	0.00
	11:30	4	13	5	14	13	12	14	6	124	45	73	994	0.00
	11:45	3	12	5	12	11	12	12	5	137	46	70	994	0.00
2/3/2024	12:00	2	11	5	12	10	12	12	6	120	47	69	993	0.00
	12:15	2	11	5	12	11	11	12	6	101	47	71	993	0.00
	12:30	2	11	5	11	13	12	13	8	84	47	71	993	0.00
	12:45	2	11	5	12	12	12	13	6	93	48	69	993	0.00
	13:00	2	11	5	12	12	11	13	5	124	49	69	992	0.00
	13:15	2	11	5	11	12	11	12	5	134	49	66	992	0.00
	13:30	0	9	4	11	10	10	11	7	95	50	68	992	0.00
	13:45	0	8	4	9	9	9	11	8	77	49	64	992	0.00
	14:00	0	9	4	9	9	10	11	6	113	50	64	992	0.00
	14:15	0	8	4	9	9	10	11	6	93	49	63	992	0.00
	14:30	0	8	4	9	9	10	11	6	101	50	63	992	0.00
	14:45	0	8	3	9	9	9	10	5	103	51	62	992	0.00
	15:00	0	7	3	8	8	9	10	5	80	51	64	991	0.00
	15:15	0	7	3	8	8	8	9	6	93	50	63	991	0.00
	15:30	0	6	2	7	6	7	8	7	69	50	63	992	0.00
	15:45	0	5	2	7	6	6	7	7	81	50	64	992	0.00
	16:00	0	4	2	7	5	6	6	6	92	50	62	991	0.00
	16:15	0	5	2	7	5	6	6	6	81	49	66	991	0.00
	16:30	0	7	3	6	8	7	8	5	93	49	65	991	0.00
	16:45	1	9	4	11	9	8	10	6	75	48	67	991	0.00
	17:00	0	6	2	11	5	6	6	6	77	48	68	991	0.00
	17:15	0	6	3	7	5	5	6	6	75	47	72	991	0.00
	17:30	0	9	4	8	9	7	9	6	88	46	75	991	0.00
	17:45	1	9	4	9	9	9	11	7	82	45	75	991	0.00
	18:00	2	10	4	10	9	9	11	8	81	45	76	991	0.00
	18:15	1	10	4	11	10	9	11	7	94	44	77	991	0.00
	18:30	1	10	4	10	10	9	11	6	91	44	78	991	0.00
	18:45	2	11	5	11	11	9	11	7	87	43	78	991	0.00
	19:00	2	11	5	11	11	9	12	7	71	43	79	991	0.00
	19:15	2	12	5	12	12	10	13	8	79	43	80	991	0.00
	19:30	4	13	6	12	13	12	15	9	74	42	81	991	0.00
	19:45	6	15	7	14	14	13	16	9	82	42	82	991	0.00
	20:00	7	16	7	16	15	14	17	9	74	41	83	991	0.00
	20:15	7	16	7	17	17	14	19	9	67	40	85	991	0.00
	20:30	8	18	8	17	18	16	20	8	75	39	86	991	0.00
	20:45	10	18	9	19	19	17	20	9	76	39	86	991	0.00
	21:00	9	18	8	19	19	16	20	9	68	38	87	991	0.00
	21:15	6	17	7	18	17	14	18	8	74	38	87	991	0.00
	21:30	6	16	7	17	16	13	17	7	78	37	88	991	0.00
	21:45	6	15	6	15	14	14	16	6	85	37	89	991	0.00
	22:00	5	14	6	14	14	12	15	7	79	36	89	991	0.00
	22:15	4	14	6	13	14	11	15	6	81	36	90	991	0.00
	22:30	5	14	6	14	14	12	15	6	83	35	90	991	0.00
	22:45	5	14	6	13	14	12	15	6	77	35	90	991	0.00
	23:00	4	14	6	13	14	12	16	6	71	35	90	991	0.00
	23:15	5	14	6	13	14	13	16	4	93	35	90	991	0.00
	23:30	5	14	6	14	14	13	16	6	71	35	91	991	0.00
	23:45	5	15	7	14	15	12	16	6	69	35	91	990	0.00
	00:00	7	15	6	15	16	14	16	6	76	35	91	990	0.00

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

Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
2/4/2024	00:15	9	16	7	15	15	13	17	5	72	34	91	990	0.00
	00:30	12	16	7	14	17	15	18	5	68	34	91	990	0.00
	00:45	11	17	7	15	17	13	18	6	74	34	91	990	0.00
	01:00	13	17	7	16	17	15	18	6	72	34	91	990	0.00
	01:15	12	17	7	16	16	15	18	6	70	34	92	990	0.00
	01:30	12	17	7	16	17	14	18	6	67	34	91	990	0.00
	01:45	13	18	8	16	18	16	18	6	72	34	91	990	0.00
	02:00	13	18	7	16	18	15	19	6	77	34	91	990	0.00
	02:15	14	18	8	17	19	16	20	6	64	34	91	990	0.00
	02:30	15	19	8	18	19	17	21	6	63	34	91	990	0.00
	02:45	13	19	8	18	18	16	21	6	75	34	91	990	0.00
	03:00	15	19	8	18	19	17	21	6	72	34	90	990	0.00
	03:15	16	21	9	17	20	18	21	6	87	34	90	990	0.00
	03:30	15	20	9	19	21	17	22	6	72	34	90	990	0.00
	03:45	17	21	9	20	21	19	22	7	70	34	90	990	0.00
	04:00	16	21	10	20	20	18	22	6	74	34	90	990	0.00
	04:15	15	21	9	20	20	17	22	6	72	34	90	989	0.00
	04:30	16	20	9	19	20	18	22	6	82	34	90	990	0.00
	04:45	16	20	9	19	20	17	21	6	69	34	90	990	0.00
	05:00	14	20	9	18	20	17	21	7	71	34	90	990	0.00
	05:15	15	19	8	19	19	17	21	6	76	33	91	990	0.00
	05:30	14	19	8	18	18	15	20	6	79	33	91	990	0.00
	05:45	13	19	8	18	18	17	20	6	73	33	91	990	0.00
	06:00	14	18	8	18	18	16	19	5	77	33	91	990	0.00
	06:15	13	18	8	17	19	15	19	6	82	33	91	990	0.00
	06:30	13	18	8	17	19	16	20	5	77	33	91	990	0.00
	06:45	15	19	9	18	19	16	20	6	79	33	91	990	0.00
	07:00	13	19	8	18	18	17	20	5	70	33	91	990	0.00
	07:15	15	19	9	18	19	17	22	6	67	33	91	990	0.00
	07:30	16	19	9	18	20	16	21	6	71	33	91	990	0.00
	07:45	14	19	8	18	20	17	20	7	80	33	90	991	0.00
	08:00	15	19	8	18	19	16	20	7	79	33	89	991	0.00
	08:15	15	19	8	18	19	17	20	6	70	34	89	991	0.00
	08:30	15	19	9	18	18	17	20	6	69	34	88	991	0.00
	08:45	13	20	9	18	18	17	20	6	78	34	87	991	0.00
	09:00	14	20	8	18	18	16	20	7	78	35	86	991	0.00
	09:15	14	19	9	17	19	17	20	7	66	35	85	991	0.00
	09:30	15	19	9	17	19	17	20	8	76	36	83	991	0.00
	09:45	17	21	9	18	19	18	20	7	78	37	83	991	0.00
	10:00	13	19	9	19	20	17	21	7	81	37	81	991	0.00
	10:15	16	20	10	19	18	19	20	8	68	38	80	991	0.00
	10:30	14	19	8	18	17	17	20	8	68	39	78	991	0.00
	10:45	15	17	8	17	18	16	20	8	76	41	75	991	0.00
	11:00	14	18	8	19	19	17	18	7	72	42	75	991	0.00
	11:15	13	17	7	19	17	15	19	8	66	43	72	991	0.00
	11:30	13	16	7	17	18	17	19	8	72	43	72	991	0.00
	11:45	13	17	8	17	16	18	19	8	84	43	71	991	0.00
	12:00	13	17	8	17	18	17	20	8	86	43	71	991	0.00
	12:15	12	16	7	16	15	16	17	8	79	45	71	991	0.00
	12:30	11	15	6	15	16	15	17	7	70	46	70	990	0.00
	12:45	10	14	6	17	16	15	17	8	53	46	66	990	0.00
	13:00	10	14	6	16	15	15	16	6	57	47	69	990	0.00
	13:15	12	15	7	15	18	16	18	7	48	47	69	990	0.00
	13:30	12	15	7	16	16	16	18	6	46	47	68	990	0.00
	13:45	12	15	7	17	16	17	19	8	36	48	68	990	0.00
	14:00	11	15	7	17	16	17	19	8	38	49	65	990	0.00
	14:15	9	13	6	15	16	16	17	10	52	49	64	990	0.00
	14:30	8	12	5	14	13	14	15	7	37	49	63	990	0.00
	14:45	8	12	5	13	13	14	15	7	36	50	67	990	0.00
	15:00	13	16	7	13	18	18	18	7	36	50	68	990	0.00
	15:15	14	18	8	17	19	19	20	7	39	49	66	990	0.00
	15:30	13	16	7	18	17	18	19	8	43	49	65	990	0.00
	15:45	12	15	7	20	17	17	18	8	42	49	67	990	0.00
	16:00	13	16	7	18	18	17	18	7	43	49	68	990	0.00
	16:15	12	15	7	17	17	14	16	7	42	49	66	990	0.00
	16:30	13	16	7	15	18	17	18	7	45	48	68	990	0.00
	16:45	14	17	7	16	15	17	17	7	49	47	71	990	0.00
	17:00	11	17	8	17	16	14	18	4	56	46	76	991	0.00
	17:15	14	18	8	16	17	15	19	3	66	45	79	991	0.00
	17:30	18	22	10	18	21	18	23	2	56	44	81	991	0.00
	17:45	19	22	10	20	21	21	24	2	67	44	81	991	0.00
	18:00	16	21	10	21	21	21	23	3	67	43	81	991	0.00
	18:15	16	20	9	20	20	19	22	2	51	43	82	991	0.00
	18:30	16	18	8	19	18	16	20	3	42	42	82	991	0.00
	18:45	15	16	7	17	16	14	18	3	42	42	82	991	0.00
	19:00	13	15	6	16	16	14	17	3	47	41	83	991	0.00
	19:15	18	16	6	15	15	15	17	3	38	40	83	991	0.00
	19:30	25	19	7	15	16	16	19	2	37	40	84	991	0.00
	19:45	22	17	7	16	17	15	19	2	65	40	85	992	0.00
	20:00	24	18	8	17	18	16	20	2	78	40	84	992	0.00
	20:15	35	37	24	18	43	32	42	1	16	39	86	992	0.00
	20:30	17	22	14	50	31	19	23	1	189	39	87	992	0.00
	20:45	22	27	10	34	23	22	27	1	25	38	88	992	0.00
	21:00	23	26	12	23	27	23	28	2	48	38	88	992	0.00
	21:15	25	31	14	26	30	26	33	2	19	38	89	993	0.00
	21:30	31	36	16	31	37	34	38	1	36	37	89	993	0.00
	21:45	32	35	15	35	35	33	40	2	47	37	89	993	0.00
	22:00	33	37	17	33	37	34	41	2	34	37	88	993	0.00
	22:15	30	36	17	35	37	32	40	3	31	37	88	993	0.00
	22:30	39	37	16	34	35	32	39	2	33	36	89	993	0.00
	22:45	56	44	17	33	34	37	43	2	20	35	90	993	0.00
	23:00	38	37	15	33	33	32	39	2	19	34	90	993	0.00
	23:15	30	37	16	32	35	31	39	2	18	34	90	993	0.00
	23:30	33	37	17	33	36	31	39	1	356	34	90	993	0.00
	23:45	36	38	17	35	37	34	40	2	18	33	90	993	0.00
	00:00	33	39	17	34	38	35	42	2	26	33	89	993	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	41	39	19	37	40	33	40	3	23	33	89	993	0.00
	00:30	43	43	21	39	47	40	46	3	23	33	90	993	0.00
	00:45	46	49	23	44	51	43	52	3	26	33	89	993	0.00
	01:00	52	51	23	49	52	44	55	3	26	33	89	993	0.00
	01:15	50	50	24	49	51	46	53	3	24	33	89	994	0.00
	01:30	45	48	23	47	49	44	52	3	25	32	89	994	0.00
	01:45	50	54	24	50	51	45	54	3	18	33	89	994	0.00
	02:00	43	44	22	52	46	39	47	2	7	32	90	994	0.00
	02:15	39	43	21	47	45	40	47	2	360	32	90	994	0.00
	02:30	42	42	20	44	44	38	45	2	343	32	91	994	0.00
	02:45	42	42	19	40	44	37	45	3	7	32	91	994	0.00
	03:00	38	42	20	41	43		44	3	6	32	91	994	0.00
	03:15	42	41	20	41	41	38	44	2	357	32	92	994	0.00
	03:30	42	41	19	41	40	37	45	2	358	31	92	994	0.00
	03:45	38	40	20	41	42	38	45	3	4	31	92	994	0.00
	04:00	41	39	19	41	42	36	43	3	0	31	91	994	0.00
	04:15	40	39	18	39	41	34	43	3	1	31	91	994	0.00
	04:30	38	39	19	37	41	37	43	3	3	31	90	994	0.00
	04:45	42	40	20	39	41	36	42	2	349	31	90	994	0.00
	05:00	40	41	18	41	40	35	44	2	337	31	91	994	0.00
	05:15	38	40	19	40	41	38	43	3	347	31	91	995	0.00
	05:30	41	40	20	39	42	38	43	3	349	31	91	995	0.00
	05:45	39	40	19	39	44	35	44	3	357	30	92	995	0.00
	06:00	40	42	19	40	43	39	45	2	353	30	93	995	0.00
	06:15	44	43	21	41	41	39	45	2	355	30	93	995	0.00
	06:30	40	43	20	43	44	38	47	3	0	30	93	995	0.00
	06:45	45	44	21	43	45	41	49	2	354	30	93	995	0.00
	07:00	43	45	21	43	47	38	48	2	350	29	93	995	0.00
	07:15	45	46	21	44	48	44	50	2	349	29	93	996	0.00
	07:30	50	44	23	44	48	44	53	3	5	30	92	996	0.00
	07:45	47	48	22	48	49	46	54	3	6	30	91	996	0.00
	08:00	51	50	23	48	51	48	55	3	7	31	90	996	0.00
	08:15	49	53	23	45	50	43	52	4	9	32	88	996	0.00
	08:30	45	54	25	47	49	44	50	3	14	33	87	996	0.00
	08:45	43	45	22	46	45	40	46	4	19	34	85	996	0.00
	09:00	42	45	20	42	39	35	43	5	17	35	84	996	0.00
	09:15	26	37	20	39	37	37	40	5	29	36	83	996	0.00
	09:30	33	34	14	37	38	40	41	4	22	37	82	996	0.00
	09:45	40	39	19	27	27	34	40	4	28	38	80	996	0.00
	10:00	40	37	18	40	38	30	31	5	39	39	78	996	0.00
	10:15	38	35	17	39	39		43	5	34	40	77	997	0.00
	10:30	36	34	17	37	38	42	39	4	44	41	75	997	0.00
	10:45	35	33	16	36	39	43	43	4	26	42	73	997	0.00
	11:00	34	30	15	35	40	35	36	4	28	43	71	997	0.00
	11:15	31	28	14	34	33	34	36	4	30	44	67	997	0.00
	11:30	27	25	12	29	32	32	34	5	26	45	68	997	0.00
	11:45	22	22	11	26	29	28	27	5	23	46	62	997	0.00
2/5/2024	12:00	19	19	9	23	25	24	22	5	9	47	60	997	0.00
	12:15	18	18	9	19	22	21	20	5	13	48	62	996	0.00
	12:30	17	18	9	18	22	20	20	5	21	48	59	996	0.00
	12:45	17	19	9	18	23	20	20	5	23	49	61	996	0.00
	13:00	16	18	8	18	21	19	19	5	13	50	58	996	0.00
	13:15	15	16	8	17	20	19	19	5	6	49	59	996	0.00
	13:30	14	16	8	17	19	18	18	5	8	50	58	996	0.00
	13:45	13	14	7	16	17	17	16	5	6	50	56	996	0.00
	14:00	12	13	7	15	16	16	15	5	12	51	54	996	0.00
	14:15	12	13	6	13	16	16	15	5	10	51	55	996	0.00
	14:30	11	13	6	14	16	15	14	4	2	51	55	996	0.00
	14:45	11	13	6	13	16	16	15	5	4	52	53	996	0.00
	15:00	11	14	6	13	15	15	14	5	360	51	53	996	0.00
	15:15	8	11	5	12	12	13	11	5	6	51	47	996	0.00
	15:30	5	7	3	8	8	8	6	4	9	51	48	996	0.00
	15:45	4	7	3	5	7	7	5	4	17	51	48	996	0.00
	16:00	2	5	2	6	5	6	3	4	8	50	44	996	0.00
	16:15	1	3	1	4	3	4	1	3	11	49	48	997	0.00
	16:30	1	4	1	3	4	4	2	3	15	49	55	997	0.00
	16:45	2	5	2	5	4	5	2	3	40	48	48	997	0.00
	17:00	0	3	1	4	2	2	0	3	50	47	50	997	0.00
	17:15	1	3	1	2	3	3	0	1	131	46	53	997	0.00
	17:30	1	4	1	3	4	4	1	2	76	45	55	997	0.00
	17:45	2	4	2	3	5	4	2	1	146	44	57	997	0.00
	18:00	14	17	8	3	13	14	15	1	182	43	60	997	0.00
	18:15	32	34	14	19	20	26	25	1	168	43	60	997	0.00
	18:30	18	19	7	25	16	19	18	1	190	42	63	997	0.00
	18:45	8	14	6	14	17	14	11	1	191	41	66	997	0.00
	19:00	8	10	4	12	11	9	8	2	187	40	68	997	0.00
	19:15	6	9	3	9	9	8	6	1	206	40	68	997	0.00
	19:30	13	11	6	6	10	10	10	1	198	39	71	997	0.00
	19:45	13	17	9	12	17	16	16	1	207	39	73	997	0.00
	20:00	10	12	5	17	13	11	10	1	229	39	76	997	0.00
	20:15	10	12	5	10	13	11	10	1	241	38	78	997	0.00
	20:30	13	16	7	11	16	14	14	1	62	38	82	998	0.00
	20:45	17	19	8	15	18	16	18	1	127	37	82	998	0.00
	21:00	16	18	8	17	18	17	17	1	230	37	84	998	0.00
	21:15	20	22	9	17	21	19	21	1	36	36	85	998	0.00
	21:30	20	23	10	19	23	21	22	2	5	35	86	998	0.00
	21:45	24	28	12	20	28	23	27	1	342	35	87	998	0.00
	22:00	30	33	15	25	33	28	33	1	252	34	89	998	0.00
	22:15	30	32	15	29	33	30	33	1	267	34	90	998	0.00
	22:30	27	31	15	30	31	29	31	1	238	33	91	998	0.00
	22:45	28	31	14	28	30	28	31	1	336	32	92	998	0.00
	23:00	30	33	14	29	31	29	33	1	340	32	92	998	0.00
	23:15	33	36	17	31	36	30	35	1	354	32	92	998	0.00
	23:30	32	37	17	33	37	33	36	1	16	32	92	998	0.00
	23:45	39	41	18	34	41	35	41	1	255	32	93	998	0.00
	00:00	40	42	19	37	41	38	43	1	244	31	94	998	0.00

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

Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
2/6/2024	00:15	32	41	19	39	38	37	43	1	269	31	95	998	0.00
	00:30	35	41	20	40	40	38	43	1	245	30	95	998	0.00
	00:45	32	41	19	41	41	35	43	1	261	30	96	998	0.00
	01:00	30	41	19	41	41	39	43	1	246	30	96	998	0.00
	01:15	34	41	19	40	42	38	44	1	230	29	96	998	0.00
	01:30	34	43	20	41	45	37	46	1	241	29	97	998	0.00
	01:45	35	45	22	41	47	43	49	1	243	28	97	998	0.00
	02:00	38	47	22	46	46	42	50	1	230	29	97	998	0.00
	02:15	40	48	23	50	48	43	51	1	237	29	98	998	0.00
	02:30	39	51	26	47	54	47	52	1	232	29	98	998	0.00
	02:45	45	53	25	54	53	47	55	1	242	29	98	998	0.00
	03:00	43	53	25	53	49	46	56	1	226	29	98	998	0.00
	03:15	46	53	25	54	54	48	57	1	217	29	98	998	0.00
	03:30	46	55	26	54	52	47	53	1	268	29	99	998	0.00
	03:45	42	52	25	54	51	48	54	1	254	28	99	998	0.00
	04:00	41	50	24	53	51	44	53	1	262	28	99	998	0.00
	04:15	45	48	22	53	51	45	52	1	238	27	98	998	0.00
	04:30	43	51	25	52	48	46	54	1	265	27	99	998	0.00
	04:45	45	54	25	54	52	48	54	1	332	27	99	998	0.00
	05:00	49	53	26	54	54	45	57	1	298	27	99	998	0.00
	05:15	44	49	27	53	54	49	54	1	306	27	99	999	0.00
	05:30	42	55	24	55	53	50	56	2	282	27	98	999	0.00
	05:45	50	59	26	52	58	51	60	1	294	26	99	999	0.00
	06:00	44	57	26	55	58	48	62	1	306	26	99	999	0.00
	06:15	47	56	26	56	55	51	59	1	302	26	99	999	0.00
	06:30	45	54	26	55	54	50	58	1	292	27	99	1000	0.00
	06:45	42	54	26	54	54	48	58	1	316	27	99	1000	0.00
	07:00	45	51	24	56	53	48	54	1	326	27	99	1000	0.00
	07:15	41	52	25	55	52	48	55	2	328	27	99	1000	0.00
	07:30	42	49	24	53	52	44	53	2	9	28	99	1000	0.00
	07:45	22	42	22	50	51	43	53	1	348	28	98	1000	0.00
	08:00	37	42	15	49	49	46	53	1	339	29	98	1001	0.00
	08:15	39	46	21	35	35	37	46	2	358	29	97	1001	0.00
	08:30	35	47	22	44	48	35	37	3	34	30	97	1001	0.00
	08:45	39	48	22	45	47	41	52	4	57	31	95	1001	0.00
	09:00	40	48	21	44	46	40	50	3	77	33	93	1001	0.00
	09:15	34	52	24	43	45	43	51	4	82	35	90	1001	0.00
	09:30	38	51	26	44	45	46	52	4	121	36	86	1000	0.00
	09:45	Offline	57	29	42	50	51	54	5	99	36	88	1001	0.00
	10:00	39	58	28	53	56	51	65	4	111	37	84	1001	0.00
	10:15	43	59	27	54	49	56	55	6	83	36	88	1001	0.00
	10:30	30	44	20	49	46	44	50	5	103	34	91	1001	0.00
	10:45	30	39	21	38	34	44	46	5	76	33	93	1001	0.00
	11:00	20	38	17	40	33	40	46	3	118	34	92	1001	0.00
	11:15	24	39	20	38	37	46	53	2	147	36	87	1001	0.00
	11:30	28	41	19	43	39	36	48	2	36	37	86	1001	0.00
	11:45	21	38	20	46	43	55	57	4	57	37	87	1001	0.00
	12:00	25	39	19	44	37	39	49	4	90	38	85	1001	0.00
	12:15	23	38	17	40	39	42	45	4	70	38	83	1001	0.00
	12:30	21	36	17	36	39	38	42	4	102	39	80	1001	0.00
	12:45	23	38	17	36	36	38	42	4	104	40	80	1000	0.00
	13:00	23	39	18	34	42	40	45	5	79	40	80	1000	0.00
	13:15	23	38	18	35	43	41	47	4	61	40	79	1000	0.00
	13:30	25	39	18	37	41	44	49	4	112	42	76	1000	0.00
	13:45	26	39	18	37	42	44	49	2	167	44	70	1000	0.00
	14:00	20	36	16	35	35	37	40	3	101	45	71	1000	0.00
	14:15	14	30	14	31	31	33	36	4	91	45	73	999	0.00
	14:30	15	29	14	27	33	30	34	4	107	45	73	999	0.00
	14:45	16	31	14	29	35	34	39	5	73	44	76	999	0.00
	15:00	14	30	14	30	32	27	32	5	89	45	73	999	0.00
	15:15	15	30	14	29	33	33	38	3	151	46	67	1000	0.00
	15:30	14	28	13	29	32	29	36	2	40	47	65	1000	0.00
	15:45	12	26	13	28	31	31	33	2	23	48	67	1000	0.00
	16:00	16	27	13	27	34	31	36	2	56	48	71	1000	0.00
	16:15	26	32	15	29	38	32	38	3	58	46	74	999	0.00
	16:30	33	34	17	34	40	35	41	3	60	45	77	999	0.00
	16:45	28	42	21	39	40	38	45	2	76	44	79	999	0.00
	17:00	34	50	25	50	41	41	47	2	106	43	80	999	0.00
	17:15	29	56	27	57	42	41	47	3	120	42	81	999	0.00
	17:30	26	48	22	45	44	37	47	4	106	41	83	999	0.00
	17:45	30	47	21	46	44	38	46	3	96	40	84	999	0.00
	18:00	30	46	21	43	44	40	47	3	105	40	86	999	0.00
	18:15	34	51	23	43	50	46	54	4	110	39	87	999	0.00
	18:30	35	55	25	50	51	49	57	3	107	38	89	999	0.00
	18:45	38	55	24	55	52	47	59	3	117	37	90	1000	0.00
	19:00	39	54	25	52	52	46	57	4	125	36	92	1000	0.00
	19:15	37	53	25	50	54	47	55	4	123	36	92	999	0.00
	19:30	32	52	25	47	54	47	57	4	101	35	93	999	0.00
	19:45	35	51	22	47	52	44	56	5	114	34	94	999	0.00
	20:00	38	52	25	49	52	46	58	5	105	34	95	1000	0.00
	20:15	34	53	25	50	50	48	60	5	108	33	97	1000	0.00
	20:30	32	50	22	50	50	43	57	3	131	33	97	1000	0.00
	20:45	33	49	23	48	49	45	54	3	129	33	98	1000	0.00
	21:00	14	35	16	43	34	33	38	4	114	32	98	1000	0.00
	21:15	13	29	12	29	29	24	32	3	141	32	98	1000	0.00
	21:30	12	29	13	27	28	27	32	3	130	32	98	1000	0.00
	21:45	11	29	14	28	28	26	32	4	125	32	99	1000	0.00
	22:00	14	29	14	30	31	26	34	4	117	32	99	1000	0.00
	22:15	9	28	12	29	29	27	32	5	122	32	99	999	0.00
	22:30	13	29	13	26	29	24	32	3	141	32	99	999	0.00
	22:45	13	31	14	27	30	28	34	2	166	32	99	1000	0.00
	23:00	15	32	14	29	29	28	31	3	166	32	99	1000	0.00
	23:15	16	32	15	30	31	26	33	3	163	32	99	1000	0.00
	23:30	16	33	15	31	34	29	36	2	161	32	99	1000	0.00
	23:45	19	34	17	34	35	31	37	2	164	32	99	1000	0.00
	00:00	16	35	16	33	33	28	37	3	160	32	100	1000	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	14	37	18	31	37	32	36	3	160	33	100	1000	0.00
	00:30	9	40	18	36	39	32	40	3	151	33	99	999	0.00
	00:45	15	41	19	39	42	34	44	3	145	33	100	999	0.00
	01:00	13	43	20	40	40	36	43	3	180	33	99	999	0.00
	01:15	18	45	20	42	42	37	46	2	176	33	99	999	0.00
	01:30	21	47	22	45	45	38	48	2	157	33	99	999	0.00
	01:45	18	47	22	45	48	43	50	2	172	32	99	999	0.00
	02:00	23	50	24	47	49	42	49	2	167	31	99	999	0.00
	02:15	23	49	23	49	48	40	48	2	162	31	99	999	0.00
	02:30	20	48	22	48	46	39	50	2	170	31	99	999	0.00
	02:45	24	49	23	49	47	42	50	2	169	31	99	999	0.00
	03:00	24	51	24	46	51	43	52	2	163	31	99	999	0.00
	03:15	24	54	23	48	53	43	54	2	161	31	99	999	0.00
	03:30	27	53	25	53	50	47	55	2	168	30	99	999	0.00
	03:45	23	53	25	53	51	45	55	2	149	30	100	998	0.00
	04:00	26	51	23	52	51	42	54	2	153	30	100	998	0.00
	04:15	26	53	25	48	53	47	55	2	161	31	100	998	0.00
	04:30	23	53	25	50	50	46	53	2	173	30	100	999	0.00
	04:45	29	53	23	52	50	43	53	2	172	30	100	999	0.00
	05:00	27	54	26	52	52	47	54	2	175	30	100	999	0.00
	05:15	26	54	25	53	54	46	56	2	168	30	100	999	0.00
	05:30	28	57	24	52	52	43	54	2	190	31	100	999	0.00
	05:45	27	57	27	52	53	47	56	2	176	31	100	999	0.00
	06:00	33	58	26	56	55	47	60	2	164	31	100	999	0.00
	06:15	29	58	26	55	53	50	58	2	174	31	100	999	0.00
	06:30	30	60	28	56	56	52	60	2	140	31	100	999	0.00
	06:45	35	59	27	59	56	51	61	2	162	30	99	999	0.00
	07:00	30	56	28	54	53	46	57	1	167	30	100	999	0.00
	07:15	29	58	26	55	58	51	60	2	170	30	100	999	0.00
	07:30	31	59	27	59	56	47	60	2	172	31	100	1000	0.00
	07:45	19	44	26	55	54	52	61	1	190	32	100	1000	0.00
	08:00	27	53	18	56	47	46	57	2	149	33	100	1000	0.00
	08:15	32	56	26	39	38	32	39	2	134	33	100	1000	0.00
	08:30	30	57	25	55	55	47	55	2	140	34	99	1000	0.00
	08:45	29	58	26	56	56	49	57	2	147	35	97	1000	0.00
	09:00	38	62	29	55	56	49	61	2	168	36	93	1000	0.00
	09:15	48	66	30	61	60	55	64	2	151	38	91	1000	0.00
	09:30	39	63	29	60	60	56	65	2	138	38	87	1000	0.00
	09:45	34	63	30	61	59	50	64	3	150	40	85	1000	0.00
	10:00	39	60	32	61	58	51	64	3	191	41	81	1000	0.00
	10:15	40	66	31	67	65	60	66	4	168	42	79	1000	0.00
	10:30	31	58	28	63	55	60	66	4	155	44	76	1000	0.00
	10:45	35	59	27	57	58	58	57	4	197	46	70	1000	0.00
	11:00	30	54	25	59	52	53	57	4	193	47	70	999	0.00
	11:15	29	52	24	57	50	50	53	5	203	47	68	999	0.00
	11:30	30	54	25	54	51	48	52	3	189	48	69	999	0.00
	11:45	29	53	24	55	48	48	51	3	191	49	65	999	0.00
2/7/2024	12:00	22	47	22	53	44	44	46	3	163	50	66	999	0.00
	12:15	25	43	20	50	41	41	42	3	196	50	63	998	0.00
	12:30	19	42	19	43	39	39	41	3	183	51	63	998	0.00
	12:45	18	41	19	42	38	38	40	3	190	51	62	998	0.00
	13:00	12	34	15	40	31	32	33	3	193	51	59	998	0.00
	13:15	8	28	13	34	26	26	28	3	202	52	56	997	0.00
	13:30	2	26	12	30	24	25	26	3	192	52	55	997	0.00
	13:45	0	25	11	28	23	24	25	4	206	52	54	997	0.00
	14:00	1	24	11	25	22	23	24	3	196	52	54	996	0.00
	14:15	4	25	11	26	22	24	24	4	199	52	56	996	0.00
	14:30	2	25	12	26	24	25	26	3	198	52	55	996	0.00
	14:45	8	31	15	28	30	31	33	3	195	52	55	996	0.00
	15:00	13	36	17	35	33	34	37	4	190	52	55	996	0.00
	15:15	9	31	15	37	29	30	31	3	181	52	57	996	0.00
	15:30	8	32	17	34	30	31	33	3	188	52	54	996	0.00
	15:45	6	31	14	35	29	30	32	3	178	51	59	995	0.00
	16:00	4	29	14	35	28	28	29	3	163	50	61	995	0.00
	16:15	7	31	15	34	30	29	31	3	165	50	63	995	0.00
	16:30	10	35	16	34	33	33	35	3	149	49	66	995	0.00
	16:45	17	42	20	37	39	38	40	3	140	49	67	995	0.00
	17:00	17	39	20	45	41	43	45	3	141	49	67	995	0.00
	17:15	15	36	19	38	39	40	36	3	147	48	68	995	0.00
	17:30	11	37	16	39	34	32	39	4	150	47	70	994	0.00
	17:45	10	35	18	35	35	34	34	4	156	47	71	994	0.00
	18:00	7	32	16	36	31	32	33	4	155	46	72	994	0.00
	18:15	10	32	14	36	29	29	32	4	140	46	73	994	0.00
	18:30	2	32	14	33	29	26	30	4	144	46	72	994	0.00
	18:45	4	26	13	30	27	25	27	4	150	46	71	994	0.00
	19:00	0	23	12	27	21	22	23	4	163	46	71	995	0.00
	19:15	1	23	10	26	21	21	21	3	158	45	72	995	0.00
	19:30	0	23	10	24	20	17	20	4	170	45	72	994	0.00
	19:45	0	21	10	24	21	18	21	3	172	45	73	995	0.00
	20:00	0	22	10	23	21	19	20	4	163	44	73	995	0.00
	20:15	0	21	10	23	20	18	20	4	165	44	74	995	0.00
	20:30	0	21	9	22	19	19	20	4	167	44	74	995	0.00
	20:45	0	21	9	22	19	17	19	3	173	44	75	995	0.00
	21:00	0	19	9	21	18	16	18	3	176	43	76	995	0.00
	21:15	0	19	9	21	18	16	18	3	175	43	77	995	0.00
	21:30	0	18	8	21	18	16	17	3	163	42	77	995	0.00
	21:45	0	18	8	20	18	17	18	4	165	43	75	994	0.00
	22:00	0	17	8	20	17	15	17	3	189	44	74	995	0.00
	22:15	0	17	8	19	16	15	16	3	172	44	74	994	0.00
	22:30	0	16	7	19	15	14	15	4	184	44	73	994	0.00
	22:45	0	16	8	18	16	15	15	4	177	44	73	994	0.00
	23:00	0	17	7	18	17	15	16	4	181	45	70	993	0.00
	23:15	0	17	8	18	17	15	15	4	179	46	69	993	0.00
	23:30	0	16	8	19	16	14	16	4	171	46	69	993	0.00
	23:45	0	18	8	20	17	16	17	4	180	46	68	992	0.00
	00:00	0	20	9	21	19	18	18	4	188	46	70	993	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
2/8/2024	00:15	11	19	9	21	19	18	18	4	175	46	69	992	0.00
	00:30	14	17	7	19	16	15	17	5	181	46	69	992	0.00
	00:45	12	16	7	17	15	14	16	5	183	47	68	992	0.00
	01:00	11	14	6	14	13	13	13	5	183	47	67	992	0.00
	01:15	10	12	5	13	12	11	12	4	196	48	65	991	0.00
	01:30	8	12	5	12	11	11	11	5	205	49	65	991	0.00
	01:45	10	13	5	10	11	11	12	4	204	48	66	991	0.00
	02:00	11	14	6	12	13	11	12	4	192	48	67	992	0.00
	02:15	10	15	6	12	14	12	13	6	194	47	66	992	0.00
	02:30	12	13	6	13	13	12	13	5	188	47	67	991	0.00
	02:45	10	14	5	13	12	12	12	5	196	47	66	991	0.00
	03:00	8	11	5	12	11	11	11	5	198	47	66	991	0.00
	03:15	8	11	5	10	11	9	10	5	194	47	67	991	0.00
	03:30	7	11	4	11	10	9	10	4	195	47	67	991	0.00
	03:45	8	11	5	11	10	9	10	5	197	47	69	991	0.00
	04:00	8	12	5	10	10	10	10	4	193	47	70	991	0.00
	04:15	8	11	5	11	11	10	10	3	184	46	71	991	0.00
	04:30	8	11	5	11	11	9	10	4	179	45	72	991	0.00
	04:45	7	11	4	11	11	9	9	3	179	45	75	991	0.00
	05:00	7	11	4	10	10	9	9	4	177	45	74	991	0.00
	05:15	7	10	4	9	9	8	9	4	179	45	74	991	0.00
	05:30	7	10	4	9	9	9	9	4	181	46	74	991	0.00
	05:45	6	11	4	8	9	8	9	4	174	46	73	991	0.00
	06:00	6	10	4	8	9	9	9	4	187	46	73	991	0.00
	06:15	6	10	4	8	9	8	8	4	179	46	73	991	0.00
	06:30	6	10	3	8	9	8	8	5	184	47	72	990	0.00
	06:45	6	10	3	7	8	8	8	5	183	47	71	990	0.00
	07:00	6	9	3	7	8	8	8	5	180	47	71	990	0.00
	07:15	6	9	3	7	8	8	8	5	179	47	70	990	0.00
	07:30	10	11	4	7	8	8	8	5	186	47	71	990	0.00
	07:45	3	7	3	7	8	8	7	5	187	47	71	990	0.00
	08:00	6	8	2	7	5	7	7	4	193	48	68	989	0.00
	08:15	9	10	4	4	8	5	5	4	198	49	67	989	0.00
	08:30	6	9	4	8	7	7	8	4	195	50	67	989	0.00
	08:45	5	8	3	7	7	7	8	5	203	52	66	989	0.00
	09:00	8	8	3	7	7	7	7	6	207	53	64	989	0.00
	09:15	7	8	3	8	8	7	8	6	204	53	66	989	0.00
	09:30	6	7	3	8	7	7	8	6	212	53	67	989	0.00
	09:45	9	8	3	10	7	7	9	6	213	53	68	989	0.00
	10:00	6	7	3	9	7	7	7	6	196	53	68	989	0.00
	10:15	8	8	3	7	7	7	8	6	213	54	69	989	0.00
	10:30	6	7	3	7	7	7	8	7	211	54	69	989	0.00
	10:45	7	8	3	8	7	7	9	6	217	55	70	988	0.00
	11:00	8	8	3	8	7	8	9	5	199	55	70	988	0.00
	11:15	7	8	3	8	7	8	9	5	207	56	69	988	0.00
	11:30	8	8	3	9	8	8	9	5	200	58	68	988	0.00
	11:45	8	8	3	8	8	8	9	7	209	58	69	987	0.00
	12:00	7	8	3	7	7	8	9	7	207	59	68	987	0.00
	12:15	10	8	3	8	7	8	9	7	207	60	68	987	0.00
	12:30	8	8	3	9	7	8	9	6	220	59	70	987	0.00
	12:45	9	8	3	9	7	8	9	6	213	59	71	987	0.00
	13:00	6	8	3	8	7	7	9	5	217	59	71	987	0.00
	13:15	5	7	3	7	7	7	8	7	209	59	71	986	0.00
	13:30	6	8	3	6	6	8	9	7	213	61	69	986	0.00
	13:45	5	7	3	8	6	8	8	8	224	61	69	986	0.00
	14:00	5	7	3	9	6	8	9	8	215	61	69	986	0.00
	14:15	5	7	3	10	7	8	10	7	211	62	68	985	0.00
	14:30	5	8	3	9	7	9	9	10	212	61	69	985	0.00
	14:45	5	8	3	7	7	8	9	8	221	62	68	985	0.00
	15:00	5	8	3	8	7	8	9	8	213	62	69	985	0.00
	15:15	4	8	3	9	7	7	8	9	221	62	69	985	0.00
	15:30	6	8	3	10	8	8	10	8	221	61	69	985	0.00
	15:45	6	8	4	10	8	8	10	8	220	61	69	985	0.00
	16:00	7	8	3	10	8	8	9	6	217	61	70	985	0.00
	16:15	7	9	4	10	9	8	10	6	212	60	72	985	0.00
	16:30	6	9	4	9	8	8	9	5	220	60	72	985	0.00
	16:45	7	9	4	9	9	8	10	6	210	59	74	985	0.00
	17:00	7	8	4	8	8	8	10	6	197	58	76	985	0.00
	17:15	6	9	4	8	8	8	10	6	210	57	78	985	0.00
	17:30	6	9	4	8	8	8	10	6	204	57	80	985	0.00
	17:45	7	8	4	8	8	8	10	5	208	56	81	985	0.00
	18:00	6	8	4	8	8	8	10	5	201	56	83	985	0.00
	18:15	6	8	3	8	8	7	9	6	207	55	83	985	0.00
	18:30	6	8	3	7	8	7	9	5	202	55	83	985	0.00
	18:45	6	8	3	7	8	8	9	6	208	55	83	985	0.00
	19:00	6	8	3	7	7	7	9	5	209	55	83	986	0.00
	19:15	6	8	3	7	7	7	9	6	203	55	83	986	0.00
	19:30	6	9	4	7	8	8	10	5	215	55	84	986	0.00
	19:45	7	9	4	8	9	8	10	6	215	55	84	986	0.00
	20:00	7	9	4	8	8	7	10	6	212	55	84	986	0.00
	20:15	6	8	3	8	8	8	10	6	209	55	85	986	0.00
	20:30	6	8	4	7	8	8	10	6	216	54	86	986	0.00
	20:45	6	8	3	8	7	7	10	7	210	54	86	986	0.00
	21:00	6	8	3	8	8	8	9	7	213	54	86	987	0.00
	21:15	5	8	3	8	7	7	9	6	216	54	87	987	0.00
	21:30	6	8	3	8	8	8	9	6	217	54	88	987	0.00
	21:45	6	8	3	7	7	8	9	5	212	54	89	987	0.00
	22:00	5	8	3	7	7	7	9	5	220	54	89	987	0.00
	22:15	6	8	3	8	7	7	9	5	220	54	89	987	0.00
	22:30	5	7	3	8	7	7	9	4	213	53	90	987	0.00
	22:45	5	8	3	7	7	7	9	5	220	53	90	987	0.00
	23:00	6	8	3	7	8	7	9	4	213	53	90	987	0.00
	23:15	5	8	3	7	7	7	9	5	219	53	90	987	0.00
	23:30	6	8	3	7	7	7	8	5	215	53	90	987	0.00
	23:45	5	7	3	7	7	7	9	6	218	53	90	987	0.00
	00:00	6	7	3	7	7	7	9	6	216	53	91	987	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
2/9/2024	00:15	5	8	3	7	7	6	8	5	217	53	91	987	0.00
	00:30	5	8	3	7	7	7	8	6	224	53	91	987	0.00
	00:45	5	9	3	8	7	7	8	5	222	53	91	987	0.00
	01:00	6	9	3	8	8	7	9	4	222	53	92	988	0.00
	01:15	5	8	3	8	7	7	9	4	221	52	92	988	0.00
	01:30	5	9	3	7	8	7	8	4	220	53	91	988	0.00
	01:45	6	9	3	8	8	7	8	5	219	53	91	988	0.00
	02:00	5	9	4	8	7	7	9	6	218	53	91	988	0.00
	02:15	6	9	4	8	8	7	9	5	226	53	91	988	0.00
	02:30	6	10	4	9	8	7	9	6	219	54	90	988	0.00
	02:45	6	10	4	9	9	8	10	5	215	53	91	988	0.00
	03:00	6	9	4	9	8	8	10	5	223	53	91	988	0.00
	03:15	6	10	4	9	8	8	10	5	220	53	92	988	0.00
	03:30	7	10	4	8	9	8	9	5	239	53	92	988	0.00
	03:45	6	10	4	9	9	8	10	2	264	52	93	989	0.00
	04:00	6	9	4	9	8	8	9	2	250	51	93	989	0.00
	04:15	7	10	4	9	9	8	9	2	238	51	93	989	0.00
	04:30	6	10	4	9	8	8	9	2	217	51	93	988	0.00
	04:45	7	10	4	8	9	9	10	2	209	50	94	988	0.00
	05:00	6	9	3	8	9	9	10	1	188	49	95	988	0.00
	05:15	5	7	2	7	6	6	8	1	189	48	96	988	0.00
	05:30	6	8	3	5	6	8	9	3	200	47	97	988	0.00
	05:45	7	9	3	7	8	8	10	3	198	46	97	988	0.00
	06:00	6	8	3	7	7	8	9	2	182	45	98	988	0.00
	06:15	3	7	3	7	7	6	7	3	197	45	98	988	0.00
	06:30	6	8	3	6	6	6	7	3	199	46	99	988	0.00
	06:45	5	9	3	6	7	7	9	4	209	48	100	988	0.00
	07:00	6	9	3	7	7	7	8	4	220	49	99	989	0.00
	07:15	13	16	4	8	9	7	8	4	226	49	97	989	0.00
	07:30	15	18	9	8	14	7	8	4	223	50	95	989	0.00
	07:45	5	10	5	16	8	7	8	4	219	50	94	989	0.00
	08:00	6	10	3	9	6	7	9	4	219	51	91	989	0.00
	08:15	9	11	5	6	7	5	6	4	226	52	90	989	0.00
	08:30	6	11	4	10	8	7	8	4	227	53	87	989	0.00
	08:45	7	11	4	9	8	7	8	4	225	54	85	989	0.00
	09:00	8	11	4	9	8	7	9	5	227	55	81	989	0.00
	09:15	8	12	4	9	8	8	9	4	230	56	79	989	0.00
	09:30	7	11	5	10	8	8	10	5	224	57	77	989	0.00
	09:45	8	11	4	11	8	9	9	5	222	58	75	989	0.00
	10:00	8	10	4	10	8	8	9	6	226	59	71	989	0.00
	10:15	7	9	3	10	8	8	9	5	244	60	64	989	0.00
	10:30	6	9	3	10	7	7	8	6	241	60	62	989	0.00
	10:45	6	10	3	9	7	7	8	6	243	61	59	989	0.00
	11:00	6	9	3	11	7	7	8	6	249	61	58	989	0.00
	11:15	5	8	3	8	7	7	7	6	239	62	58	989	0.00
	11:30	8	9	3	6	6	7	8	6	225	62	57	989	0.00
	11:45	6	9	3	7	6	6	7	5	218	63	55	989	0.00
	12:00	5	8	3	9	6	7	8	6	225	63	56	988	0.00
	12:15	10	12	4	12	10	7	7	6	230	63	54	988	0.00
	12:30	6	11	3	9	9	7	7	6	225	64	53	988	0.00
	12:45	6	10	3	10	6	6	7	6	229	64	51	988	0.00
	13:00	5	9	3	7	6	7	8	6	236	65	51	988	0.00
	13:15	7	9	3	6	6	6	7	6	229	64	49	987	0.00
	13:30	5	7	3	7	5	6	7	5	226	64	49	987	0.00
	13:45	6	6	2	7	4	6	6	5	219	65	46	987	0.00
	14:00	2	6	2	5	4	5	5	6	220	65	46	987	0.00
	14:15	5	6	2	6	4	5	5	5	209	65	48	986	0.00
	14:30	3	7	3	6	4	6	6	5	221	65	51	986	0.00
	14:45	4	8	3	6	6	6	7	5	222	64	57	986	0.00
	15:00	4	8	3	5	6	7	7	4	219	64	57	986	0.00
	15:15	3	9	3	7	6	6	7	5	216	64	57	986	0.00
	15:30	5	8	3	9	6	7	8	5	219	64	57	986	0.00
	15:45	6	9	3	9	6	20	19	5	220	64	61	986	0.00
	16:00	8	9	4	11	8	8	9	5	208	63	63	987	0.00
	16:15	8	9	3	9	8	8	9	6	219	62	65	987	0.00
	16:30	8	9	3	8	8	9	10	5	215	61	67	987	0.00
	16:45	9	10	4	11	9	8	10	4	222	60	69	987	0.00
	17:00	9	11	4	10	9	9	11	5	220	60	71	987	0.00
	17:15	8	10	4	10	8	8	11	5	221	59	73	987	0.00
	17:30	8	10	4	10	9	8	10	4	222	58	75	987	0.00
	17:45	8	10	4	10	9	8	10	4	218	57	76	987	0.00
	18:00	9	11	4	10	9	9	10	3	210	57	77	987	0.00
	18:15	8	10	4	9	9	8	10	3	216	56	78	987	0.00
	18:30	8	11	4	9	9	8	11	3	220	55	79	987	0.00
	18:45	8	10	4	9	9	8	10	3	222	55	80	987	0.00
	19:00	9	11	4	9	9	8	10	3	234	55	81	987	0.00
	19:15	9	10	4	9	8	8	10	3	220	55	81	987	0.00
	19:30	8	11	4	10	9	8	10	3	224	55	81	987	0.00
	19:45	9	11	4	10	10	9	11	3	217	54	82	987	0.00
	20:00	9	12	4	11	10	10	11	2	213	54	83	987	0.00
	20:15	9	11	5	10	10	9	11	1	226	53	85	987	0.00
	20:30	8	11	4	10	10	9	11	1	211	52	87	987	0.00
	20:45	9	11	4	9	9	8	10	1	209	51	89	987	0.00
	21:00	8	11	4	9	9	9	10	1	191	50	90	987	0.00
	21:15	9	11	4	9	9	8	10	1	177	50	90	987	0.00
	21:30	8	11	4	9	9	8	10	1	185	49	92	987	0.00
	21:45	9	11	4	9	10	8	10	2	218	49	93	987	0.00
	22:00	9	12	5	10	11	10	12	2	234	49	91	988	0.00
	22:15	10	12	5	11	11	11	12	2	217	48	93	988	0.00
	22:30	10	12	4	11	11	9	12	2	220	48	92	988	0.00
	22:45	9	12	5	10	11	10	11	2	234	47	93	988	0.00
	23:00	9	11	4	10	11	9	12	2	193	47	94	988	0.00
	23:15	10	12	5	10	11	10	12	2	216	47	94	988	0.00
	23:30	13	13	5	10	12	13	15	2	282	48	89	988	0.00
	23:45	9	11	4	9	11	8	11	4	357	49	82	988	0.00
	00:00	7	8	3	7	8	8	8	4	5	49	77	988	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	5	6	2	5	6	5	6	4	8	47	76	988	0.00
	00:30	3	4	1	2	4	4	4	3	15	46	77	989	0.00
	00:45	3	4	1	2	4	4	4	4	29	45	78	989	0.00
	01:00	2	4	1	2	3	3	3	4	9	43	80	989	0.00
	01:15	3	5	2	3	4	4	4	4	15	42	78	988	0.00
	01:30	8	8	3	7	8	8	7	5	9	42	75	989	0.00
	01:45	6	7	3	5	7	7	8	5	24	41	77	989	0.00
	02:00	6	7	3	5	7	6	7	4	21	40	79	989	0.00
	02:15	6	7	3	5	7	6	7	3	6	40	81	989	0.00
	02:30	4	6	2	4	6	5	6	2	2	39	84	990	0.00
	02:45	4	6	2	5	6	5	6	2	354	39	84	990	0.00
	03:00	7	8	3	6	8	7	8	3	346	39	82	990	0.00
	03:15	7	8	3	6	7	7	8	3	343	38	82	990	0.00
	03:30	8	9	3	7	8	7	9	3	333	38	82	990	0.00
	03:45	7	9	4	7	9	8	9	3	329	38	82	991	0.00
	04:00	8	10	4	8	9	7	9	3	319	37	81	991	0.00
	04:15	9	10	4	8	10	8	10	2	328	37	81	991	0.00
	04:30	10	10	4	8	10	9	10	3	340	37	81	991	0.00
	04:45	9	11	4	9	10	9	11	2	322	37	82	991	0.00
	05:00	9	11	5	10	11	9	11	2	310	36	82	991	0.00
	05:15	11	12	5	10	12	9	12	2	305	36	82	992	0.00
	05:30	11	12	5	10	11	9	11	2	279	36	81	992	0.00
	05:45	9	12	5	10	11	10	11	2	283	36	80	992	0.00
	06:00	8	10	4	8	9	9	10	3	318	36	79	992	0.00
	06:15	8	9	3	7	8	7	8	3	332	36	79	992	0.00
	06:30	8	9	3	7	8	7	8	3	338	35	79	993	0.00
	06:45	6	8	3	6	8	6	8	3	348	35	79	993	0.00
	07:00	6	8	3	6	8	7	7	3	342	35	79	993	0.00
	07:15	6	8	3	6	7	6	7	2	258	35	81	994	0.00
	07:30	5	7	2	5	6	5	6	3	318	35	78	994	0.00
	07:45	3	5	2	3	4	4	4	2	328	35	79	994	0.00
	08:00	4	6	2	4	5	4	5	2	295	35	80	994	0.00
	08:15	6	7	3	6	7	6	7	2	293	35	80	995	0.00
	08:30	7	8	3	6	7	6	7	2	265	36	78	995	0.00
	08:45	3	5	2	5	7	6	7	2	294	37	75	995	0.00
	09:00	5	7	2	4	4	7	6	3	329	38	71	995	0.00
	09:15	4	5	2	5	6	3	4	3	353	38	71	995	0.00
	09:30	3	5	2	5	5	5	6	3	338	38	70	995	0.00
	09:45	3	4	1	5	4	5	6	3	336	39	67	995	0.00
	10:00	2	4	1	4	5	4	5	3	9	40	65	995	0.00
	10:15	1	3	1	2	3	3	4	3	17	41	61	995	0.00
	10:30	1	3	0	1	2	4	4	4	18	41	61	995	0.00
	10:45	0	2	0	1	2	2	3	3	34	41	60	996	0.00
	11:00	0	2	0	3	2	2	3	3	32	42	59	996	0.00
	11:15	0	3	0	3	3	2	3	3	325	42	59	995	0.00
	11:30	0	3	0	3	2	3	4	2	287	42	61	995	0.00
	11:45	1	3	1	4	3	3	3	2	310	43	59	996	0.00
2/10/2024	12:00	2	4	1	4	3	4	5	3	288	43	62	996	0.00
	12:15	1	4	1	4	4	11	10	4	3	42	63	995	0.00
	12:30	1	4	1	4	4	15	17	3	25	42	64	995	0.00
	12:45	2	5	1	6	4	6	7	3	295	42	63	995	0.00
	13:00	3	5	1	6	5	7	7	2	23	42	63	995	0.00
	13:15	3	5	1	6	5	6	7	2	43	42	64	995	0.00
	13:30	3	5	2	6	6	14	18	3	37	43	64	994	0.00
	13:45	4	6	2	6	6	6	7	3	26	43	64	995	0.00
	14:00	4	6	2	6	7	7	7	3	34	43	66	994	0.00
	14:15	4	6	2	7	6	7	8	4	23	43	66	994	0.00
	14:30	5	6	2	7	6	6	7	3	13	42	66	994	0.00
	14:45	4	6	2	6	6	6	6	2	10	42	65	995	0.00
	15:00	4	6	2	4	5	5	6	2	180	42	65	995	0.00
	15:15	5	6	2	5	6	6	7	2	135	42	66	995	0.00
	15:30	4	6	2	5	6	6	7	2	26	42	66	995	0.00
	15:45	4	6	2	5	5	5	6	2	34	42	66	995	0.00
	16:00	3	5	2	4	5	5	6	3	28	42	67	994	0.00
	16:15	3	5	2	4	5	5	6	2	12	42	67	995	0.00
	16:30	3	5	2	5	4	5	6	2	5	41	67	995	0.00
	16:45	3	5	2	5	4	5	5	2	3	41	68	995	0.00
	17:00	2	5	2	3	4	5	5	2	1	41	67	995	0.00
	17:15	3	5	1	5	5	4	5	1	24	41	69	995	0.00
	17:30	2	4	2	4	4	4	5	1	200	41	70	995	0.00
	17:45	2	4	1	4	4	4	5	1	210	41	71	995	0.00
	18:00	2	5	2	5	5	4	5	1	187	40	72	995	0.00
	18:15	4	6	2	5	5	5	6	2	207	40	74	995	0.00
	18:30	5	7	2	6	5	5	6	2	201	39	75	995	0.00
	18:45	5	7	3	7	7	7	8	2	213	39	74	995	0.00
	19:00	8	9	3	7	6	7	9	3	216	39	77	995	0.00
	19:15	11	11	3	7	7	8	9	2	195	39	78	995	0.00
	19:30	12	14	5	11	11	12	15	2	211	38	79	995	0.00
	19:45	15	17	7	16	15	15	19	2	212	38	79	996	0.00
	20:00	18	20	9	18	16	18	20	2	218	38	80	995	0.00
	20:15	15	20	6	13	18	17	19	1	221	38	79	995	0.00
	20:30	9	13	5	10	13	10	13	2	219	38	78	995	0.00
	20:45	6	9	3	7	8	8	10	1	230	38	78	995	0.00
	21:00	5	7	3	6	7	7	8	1	223	38	79	995	0.00
	21:15	5	7	3	7	7	7	8	1	205	37	80	995	0.00
	21:30	5	8	3	8	9	7	8	1	190	37	78	995	0.00
	21:45	4	7	4	10	10	6	7	1	83	38	78	995	0.00
	22:00	6	11	6	11	11	7	9	1	30	37	78	995	0.00
	22:15	6	10	4	8	7	8	10	2	41	37	78	995	0.00
	22:30	3	8	3	8	8	7	8	1	54	37	78	995	0.00
	22:45	2	5	2	5	5	5	6	1	17	36	79	995	0.00
	23:00	2	5	2	4	5	4	5	1	12	36	80	995	0.00
	23:15	3	5	2	6	6	4	5	2	360	35	81	995	0.00
	23:30	4	8	5	11	10	7	8	1	2	35	81	995	0.00
	23:45	2	8	6	12	12	7	8	1	352	35	81	995	0.00
	00:00	2	5	2	5	6	4	5	1	339	34	81	995	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
2/11/2024	00:15	3	5	2	5	5	4	5	1	324	34	81	995	0.00
	00:30	1	5	2	7	5	4	5	1	256	33	83	995	0.00
	00:45	0	5	2	5	5	4	4	1	24	33	83	996	0.00
	01:00	2	5	1	4	4	5	6	1	324	33	83	996	0.00
	01:15	3	7	2	6	5	6	7	1	303	33	84	996	0.00
	01:30	1	5	2	5	4	4	5	1	328	32	84	995	0.00
	01:45	1	5	1	5	4	4	5	1	269	32	85	995	0.00
	02:00	1	4	1	5	4	4	4	1	282	32	84	995	0.00
	02:15	1	5	1	5	4	4	5	1	302	32	84	995	0.00
	02:30	2	5	1	5	5	4	5	1	285	32	84	995	0.00
	02:45	1	5	1	5	4	4	5	1	289	32	85	995	0.00
	03:00	1	5	2	6	5	4	5	1	273	31	86	995	0.00
	03:15	1	5	1	5	4	4	5	2	322	31	85	995	0.00
	03:30	1	5	1	5	4	4	4	2	328	31	85	995	0.00
	03:45	1	5	1	5	4	4	4	2	317	31	85	995	0.00
	04:00	1	5	1	6	4	3	4	1	304	30	86	995	0.00
	04:15	1	5	1	5	4	4	4	1	276	30	87	995	0.00
	04:30	1	4	1	5	4	4	4	1	270	29	88	995	0.00
	04:45	1	4	1	5	4	3	4	1	294	29	89	995	0.00
	05:00	1	5	1	5	4	3	5	1	305	29	89	995	0.00
	05:15	1	5	1	5	4	4	4	1	293	29	89	995	0.00
	05:30	2	6	2	6	4	4	5	1	287	29	90	995	0.00
	05:45	1	6	2	7	6	4	5	1	299	28	90	995	0.00
	06:00	1	5	2	6	5	4	5	1	302	28	90	995	0.00
	06:15	1	5	2	6	5	4	5	2	311	28	90	995	0.00
	06:30	2	5	2	6	5	4	5	2	320	28	90	995	0.00
	06:45	2	6	2	6	5	5	6	1	303	28	91	996	0.00
	07:00	3	6	2	7	5	4	6	2	327	28	90	996	0.00
	07:15	3	7	2	8	6	6	7	1	315	28	90	996	0.00
	07:30	3	7	2	8	6	5	7	1	326	28	89	996	0.00
	07:45	2	6	2	8	6	5	6	1	336	29	87	996	0.00
	08:00	4	7	3	8	7	6	7	2	5	30	84	996	0.00
	08:15	4	7	2	7	6	5	7	2	4	32	82	996	0.00
	08:30	3	7	2	6	5	6	6	3	13	32	81	996	0.00
	08:45	3	7	2	5	6	5	6	3	15	34	80	996	0.00
	09:00	2	7	2	6	6	5	6	3	17	35	78	996	0.00
	09:15	3	7	2	6	6	6	7	3	25	37	77	997	0.00
	09:30	4	7	3	7	7	7	8	3	26	37	75	997	0.00
	09:45	7	8	3	8	8	9	10	3	34	38	73	997	0.00
	10:00	6	9	3	10	9	9	10	4	33	39	71	997	0.00
	10:15	7	10	3	10	10	10	12	3	49	40	68	997	0.00
	10:30	9	11	4	11	12	12	14	3	38	41	66	997	0.00
	10:45	9	11	4	13	12	12	14	4	53	42	63	997	0.00
	11:00	7	11	4	11	11	12	13	4	64	42	62	997	0.00
	11:15	7	10	4	10	10	11	12	4	39	43	58	997	0.00
	11:30	6	9	4	10	10	10	11	5	58	43	58	996	0.00
	11:45	5	9	3	9	9	9	10	4	28	44	57	996	0.00
	12:00	6	10	3	9	9	9	10	4	29	44	60	996	0.00
	12:15	7	10	4	10	10	10	11	4	31	44	59	996	0.00
	12:30	6	9	4	9	10	9	10	3	19	45	54	996	0.00
	12:45	7	10	3	9	9	9	10	3	42	45	53	996	0.00
	13:00	6	9	3	9	9	9	10	3	39	45	56	996	0.00
	13:15	5	9	3	8	8	9	10	3	37	45	54	995	0.00
	13:30	5	8	3	9	8	8	9	3	26	44	54	995	0.00
	13:45	5	9	3	11	8	8	9	3	48	44	55	995	0.00
	14:00	6	9	3	11	8	9	10	2	24	44	56	995	0.00
	14:15	7	10	4	10	9	9	10	2	46	45	54	995	0.00
	14:30	7	10	4	9	9	9	11	3	44	45	55	995	0.00
	14:45	7	10	4	10	10	10	11	3	37	44	56	995	0.00
	15:00	7	10	4	12	10	10	11	3	27	45	57	995	0.00
	15:15	8	11	4	12	11	11	12	3	39	44	56	995	0.00
	15:30	8	11	4	11	10	10	11	2	56	45	55	995	0.00
	15:45	8	11	4	12	10	10	11	2	51	45	55	995	0.00
	16:00	10	12	5	12	11	14	15	3	30	44	57	994	0.00
	16:15	12	13	5	13	13	14	17	3	29	44	57	995	0.00
	16:30	17	15	6	15	14	18	20	3	22	43	59	994	0.00
	16:45	13	16	6	16	15	18	19	2	24	43	59	994	0.00
	17:00	13	16	7	16	16	15	17	1	56	43	60	994	0.00
	17:15	14	18	7	17	17	17	18	2	41	43	62	994	0.00
	17:30	15	19	8	19	18	17	19	1	66	42	63	994	0.00
	17:45	17	20	9	20	19	19	21	1	49	42	64	994	0.00
	18:00	18	22	9	21	20	21	22	1	65	42	64	994	0.00
	18:15	19	23	10	18	18	21	22	1	197	41	66	994	0.00
	18:30	16	19	8	19	20	17	21	1	167	41	69	994	0.00
	18:45	17	22	9	20	19	20	21	1	190	40	71	994	0.00
	19:00	14	19	9	20	21	16	19	2	200	39	75	994	0.00
	19:15	14	17	7	16	16	15	18	2	218	38	76	994	0.00
	19:30	13	16	7	15	15	14	17	2	210	37	77	994	0.00
	19:45	12	17	7	14	15	15	17	1	214	37	76	994	0.00
	20:00	13	15	6	14	14	14	17	1	225	37	75	994	0.00
	20:15	13	16	6	14	15	14	17	1	209	37	76	994	0.00
	20:30	11	15	6	13	15	13	16	1	209	36	77	994	0.00
	20:45	11	14	6	13	13	13	15	1	252	36	77	994	0.00
	21:00	11	13	5	13	13	12	14	1	323	36	76	994	0.00
	21:15	8	11	5	10	11	11	13	2	3	36	76	994	0.00
	21:30	7	10	4	10	10	9	11	2	4	36	78	994	0.00
	21:45	7	10	4	9	10	9	10	2	6	35	78	994	0.00
	22:00	6	9	3	9	9	8	9	1	66	35	78	994	0.00
	22:15	6	9	3	9	9	9	10	1	19	34	79	994	0.00
	22:30	5	9	4	9	8	8	9	1	297	34	80	994	0.00
	22:45	6	9	3	8	8	8	9	1	332	34	80	994	0.00
	23:00	5	9	3	8	8	7	9	1	337	34	81	994	0.00
	23:15	4	8	3	8	8	7	9	1	348	34	81	994	0.00
	23:30	5	8	3	8	8	7	9	1	347	34	80	994	0.00
	23:45	5	8	3	8	8	7	9	1	358	34	80	994	0.00
	00:00	5	9	3	8	8	7	9	2	10	34	81	994	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	5	8	3	7	8	7	8	2	4	34	81	993	0.00
	00:30	7	8	3	7	8	7	8	2	26	34	80	993	0.00
	00:45	7	8	3	7	8	7	8	1	7	34	81	993	0.00
	01:00	7	9	3	7	8	7	9	1	26	34	81	993	0.00
	01:15	7	9	3	8	8	7	9	1	26	34	81	993	0.00
	01:30	8	9	3	8	8	7	9	1	31	34	82	993	0.00
	01:45	8	9	3	8	9	8	9	1	35	34	82	993	0.00
	02:00	8	10	4	9	9	8	10	1	12	34	82	993	0.00
	02:15	9	11	4	9	10	9	11	1	46	34	82	993	0.00
	02:30	10	11	4	10	10	9	11	2	44	34	82	993	0.00
	02:45	9	10	4	9	10	9	11	1	37	34	83	993	0.00
	03:00	9	11	4	10	10	9	11	1	32	34	83	993	0.00
	03:15	10	11	4	10	11	10	12	1	20	34	83	993	0.00
	03:30	10	11	4	10	11	10	12	1	45	34	83	993	0.00
	03:45	10	11	4	10	11	9	12	2	55	34	83	992	0.00
	04:00	10	12	4	10	11	10	12	2	46	34	83	992	0.00
	04:15	11	12	5	11	11	11	13	3	32	34	83	992	0.00
	04:30	11	12	5	11	11	11	13	3	28	33	85	991	0.00
	04:45	10	12	4	10	11	10	12	3	35	33	85	991	0.00
	05:00	11	13	5	12	13	10	14	2	36	32	85	991	0.00
	05:15	11	13	5	12	13	11	14	2	18	32	86	991	0.00
	05:30	13	14	5	12	14	11	14	2	351	32	86	991	0.00
	05:45	13	14	6	12	13	12	15	1	349	31	87	991	0.00
	06:00	12	14	6	13	13	12	14	1	327	30	87	992	0.00
	06:15	13	14	6	14	14	11	15	1	258	30	88	992	0.00
	06:30	14	14	6	15	15	13	16	1	288	29	89	992	0.00
	06:45	14	15	6	16	15	13	16	1	262	29	89	992	0.00
	07:00	15	17	8	19	18	13	18	1	304	29	89	992	0.00
	07:15	23	23	10	24	24	20	25	1	353	30	88	992	0.00
	07:30	27	26	11	25	27	27	34	2	31	30	86	992	0.00
	07:45	17	20	13	28	28	30	38	2	24	31	84	992	0.00
	08:00	28	32	10	18	23	51	57	2	17	32	83	992	0.00
	08:15	28	33	13	27	27	24	24	3	18	33	80	992	0.00
	08:30	32	32	15	29	30	28	30	3	25	34	79	992	0.00
	08:45	29	32	16	30	32	29	32	3	32	34	80	992	0.00
	09:00	31	33	16	33	34	29	33	3	26	35	77	992	0.00
	09:15	33	32	16	32	31	33	32	4	47	36	76	992	0.00
	09:30	32	31	14	31	33	34	34	5	43	36	74	992	0.00
	09:45	30	28	13	28	30	31	31	5	48	37	72	992	0.00
	10:00	28	26	11	27	30	31	30	4	42	38	72	991	0.00
	10:15	27	24	12	24	31	33	34	4	36	40	68	992	0.00
	10:30	21	20	9	20	22	23	22	5	56	40	64	991	0.00
	10:45	17	17	7	17	20	19	18	7	51	41	63	991	0.00
	11:00	17	17	7	17	20	22	23	6	50	41	60	991	0.00
	11:15	15	16	6	15	18	18	16	7	45	42	59	991	0.00
	11:30	15	16	6	18	17	17	15	7	45	43	61	991	0.00
	11:45	16	16	7	17	18	20	20	6	46	43	61	990	0.00
2/12/2024	12:00	16	16	7	17	18	18	18	5	38	44	57	990	0.00
	12:15	18	19	8	19	21	20	19	6	36	44	58	990	0.00
	12:30	14	14	6	14	15	18	15	4	25	44	56	990	0.00
	12:45	13	14	6	14	16	22	21	4	26	44	57	989	0.00
	13:00	13	13	5	14	15	22	21	4	23	45	55	989	0.00
	13:15	11	12	5	14	13	15	13	4	28	44	56	989	0.00
	13:30	12	12	5	14	14	18	18	4	29	44	56	989	0.00
	13:45	12	13	5	13	20	17	14	5	33	45	55	989	0.00
	14:00	13	13	5	13	14	18	17	4	33	44	58	989	0.00
	14:15	14	14	6	14	15	18	16	4	34	44	57	988	0.00
	14:30	13	13	5	14	15	16	15	3	27	45	54	988	0.00
	14:45	11	12	5	13	13	14	12	6	20	46	52	988	0.00
	15:00	11	11	5	13	12	13	12	6	22	45	54	988	0.00
	15:15	7	11	4	12	12	14	12	5	26	46	52	987	0.00
	15:30	10	11	4	12	11	13	11	5	16	46	51	987	0.00
	15:45	10	11	4	12	11	12	10	6	25	46	52	987	0.00
	16:00	12	12	5	13	12	12	11	5	23	46	51	987	0.00
	16:15	12	12	5	14	13	13	11	6	21	45	51	987	0.00
	16:30	13	12	5	13	13	14	11	6	24	45	52	987	0.00
	16:45	11	11	4	11	12	12	10	4	26	45	53	987	0.00
	17:00	10	10	4	10	10	10	8	4	27	44	54	987	0.00
	17:15	10	10	4	10	10	10	8	3	26	43	57	987	0.00
	17:30	11	12	5	12	12	12	10	2	12	42	60	987	0.00
	17:45	10	11	4	11	11	11	9	2	332	41	59	987	0.00
	18:00	11	12	4	10	11	11	9	2	298	41	60	987	0.00
	18:15	11	12	5	11	11	11	9	2	241	40	61	988	0.00
	18:30	11	12	5	12	12	12	10	1	207	39	63	988	0.00
	18:45	12	13	5	11	12	12	9	2	221	39	65	988	0.00
	19:00	12	13	4	11	11	10	10	2	215	37	69	988	0.00
	19:15	10	12	4	10	9	11	8	2	215	36	71	989	0.00
	19:30	16	13	6	14	11	11	10	2	228	36	71	989	0.00
	19:45	17	17	9	20	14	14	13	2	231	36	70	989	0.00
	20:00	15	16	7	17	14	14	12	2	227	35	71	989	0.00
	20:15	17	17	7	16	15	15	14	2	219	35	70	989	0.00
	20:30	15	17	7	16	16	14	14	2	226	35	70	989	0.00
	20:45	16	17	7	17	16	14	14	2	222	35	71	989	0.00
	21:00	17	17	7	17	16	14	14	2	232	34	71	990	0.00
	21:15	15	17	7	17	15	14	14	2	235	34	72	990	0.00
	21:30	16	16	7	17	17	18	17	2	239	34	72	990	0.00
	21:45	22	20	9	18	19	19	20	2	235	33	76	990	0.00
	22:00	20	19	8	18	21	18	18	2	230	32	77	990	0.00
	22:15	36	33	15	29	19	21	23	2	238	32	77	990	0.00
	22:30	20	22	10	21	25	23	20	2	244	32	78	990	0.00
	22:45	19	19	7	18	18	15	15	2	252	31	80	990	0.00
	23:00	26	27	11	26	16	16	16	2	245	30	81	990	0.00
	23:15	16	18	8	19	16	15	14	1	244	30	82	990	0.00
	23:30	16	18	7	16	15	14	13	2	243	29	84	990	0.00
	23:45	14	16	6	15	14	12	12	2	253	29	83	991	0.00
	00:00	14	15	6	15	14	12	12	2	255	29	83	991	0.00

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

Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
2/13/2024	00:15	11	14	6	14	13	13	14	2	263	29	82	991	0.00
	00:30	9	15	7	14	15	13	16	2	255	29	83	991	0.00
	00:45	9	16	7	14	14	13	16	2	254	29	83	991	0.00
	01:00	10	16	7	14	15	13	17	2	257	29	82	991	0.00
	01:15	11	16	7	14	14	14	17	2	253	30	81	991	0.00
	01:30	10	17	7	14	14	14	17	2	252	30	82	991	0.00
	01:45	9	17	7	14	14	14	17	2	243	30	81	991	0.00
	02:00	10	17	7	14	15	13	17	2	242	30	81	991	0.00
	02:15	11	17	7	15	15	14	17	2	245	30	82	991	0.00
	02:30	12	18	7	16	14	15	17	2	243	30	83	992	0.00
	02:45	9	17	7	15	15	14	17	2	249	30	83	992	0.00
	03:00	10	16	7	13	13	13	16	2	238	30	84	992	0.00
	03:15	10	16	7	14	13	13	16	2	242	30	83	992	0.00
	03:30	9	16	7	13	13	14	16	2	240	30	86	992	0.00
	03:45	11	18	7	15	14	13	17	2	251	29	86	992	0.00
	04:00	9	16	6	15	15	14	16	2	249	28	88	992	0.00
	04:15	10	16	7	14	15	13	16	2	246	29	87	992	0.00
	04:30	9	16	7	14	14	14	16	2	249	28	88	992	0.00
	04:45	8	16	7	14	15	13	16	2	254	28	88	993	0.00
	05:00	11	17	7	14	14	12	16	2	249	29	89	993	0.00
	05:15	10	17	7	14	14	14	17	2	249	29	88	993	0.00
	05:30	9	16	7	13	15	13	16	1	256	28	89	993	0.00
	05:45	8	15	7	13	14	13	15	1	262	28	90	993	0.00
	06:00	10	16	6	14	14	12	16	1	255	28	91	993	0.00
	06:15	10	16	6	15	14	13	16	2	247	28	90	993	0.00
	06:30	9	16	7	15	14	14	16	2	252	28	90	993	0.00
	06:45	9	15	7	14	15	13	16	1	256	28	91	994	0.00
	07:00	11	17	7	14	15	13	16	2	250	28	89	994	0.00
	07:15	8	16	7	13	15	14	16	2	247	28	89	994	0.00
	07:30	11	17	7	14	13	12	15	2	232	29	88	994	0.00
	07:45	7	14	7	14	13	14	16	2	226	30	86	994	0.00
	08:00	9	17	5	Offline	10	14	16	2	222	33	80	995	0.00
	08:15	11	17	9	Offline	14	8	10	2	217	36	74	995	0.00
	08:30	11	17	9	11	19	14	15	2	208	39	67	995	0.00
	08:45	10	15	7	15	15	14	16	2	230	41	63	995	0.00
	09:00	10	14	6	14	14	15	14	1	164	42	62	995	0.00
	09:15	9	13	5	13	12	14	15	1	210	43	59	996	0.00
	09:30	8	14	6	9	14	14	14	1	227	43	62	996	0.00
	09:45		14	5	14	14	14	15	2	215	42	61	996	0.00
	10:00	10	17	7	13	14	14	14	2	218	42	60	996	0.00
	10:15	9	15	6	13	14	15	16	2	224	43	60	997	0.00
	10:30	7	13	5	12	13	13	12	3	221	43	59	997	0.00
	10:45	10	14	6	14	13	13	13	4	215	44	61	997	0.00
	11:00	6	13	5	13	13	11	12	3	214	45	57	997	0.00
	11:15	4	11	4	11	10	11	10	3	232	46	53	997	0.00
	11:30	5	11	4	11	11	11	12	3	244	49	52	997	0.00
	11:45	4	11	4	12	10	11	10	4	242	49	49	997	0.00
	12:00	5	12	5	13	11	11	11	4	244	50	48	996	0.00
	12:15	8	15	6	15	12	11	11	4	240	49	47	996	0.00
	12:30	5	12	5	14	11	11	11	4	241	50	47	996	0.00
	12:45	5	13	5	13	19	11	11	4	251	51	44	996	0.00
	13:00	6	13	5	12	32	11	11	4	248	52	44	996	0.00
	13:15	5	13	5	11	12	12	12	4	253	54	43	995	0.00
	13:30	3	10	4	10	9	11	10	4	257	54	40	995	0.00
	13:45	5	15	6	15	7	9	9	5	242	53	41	995	0.00
	14:00	2	11	4	10	6	8	8	6	247	52	40	995	0.00
	14:15	1	8	3	8	6	8	8	3	249	54	40	995	0.00
	14:30	0	7	3	9	5	7	6	4	246	54	36	994	0.00
	14:45	1	7	3	8	6	9	10	3	255	55	37	994	0.00
	15:00	0	6	2	7	4	6	5	4	246	55	39	994	0.00
	15:15	0	6	2	8	4	6	6	3	253	55	37	994	0.00
	15:30	0	6	2	7	4	6	5	3	244	55	38	994	0.00
	15:45	0	6	2	6	4	6	6	3	246	55	37	994	0.00
	16:00	0	6	Offline	Offline	4	5	5	Offline	Offline	Offline	Offline	Offline	Offline
	16:15	0	6	2	6	4	5	5	3	234	54	37	994	0.00
	16:30	0	6	2	6	4	6	5	2	255	55	38	994	0.00
	16:45	1	6	2	6	4	5	5	4	231	54	39	994	0.00
	17:00	3	6	2	5	5	5	4	2	225	54	41	995	0.00
	17:15	6	6	2	7	5	5	4	3	221	52	42	995	0.00
	17:30	4	8	4	8	7	5	4	1	209	51	45	995	0.00
	17:45	8	6	3	10	8	6	5	1	218	50	52	995	0.00
	18:00	10	10	5	8	11	10	10	2	203	48	49	995	0.00
	18:15	11	13	4	14	9	13	12	2	177	47	52	995	0.00
	18:30	8	9	4	11	10	9	9	2	128	46	57	995	0.00
	18:45	8	14	6	10	13	13	13	2	79	46	61	995	0.00
	19:00	10	16	7	15	15	15	15	2	74	45	63	995	0.00
	19:15	11	17	7	15	17	15	16	3	71	44	64	996	0.00
	19:30	11	14	6	15	13	13	14	5	94	44	62	996	0.00
	19:45	7	14	6	13	13	12	14	5	85	44	63	996	0.00
	20:00	9	15	7	13	14	13	15	6	82	43	64	996	0.00
	20:15	7	16	7	13	14	13	15	5	79	42	66	996	0.00
	20:30	9	14	6	17	14	12	15	6	89	41	67	996	0.00
	20:45	7	15	6	13	13	11	14	5	93	41	69	996	0.00
	21:00	8	13	6	12	14	11	13	5	84	40	70	996	0.00
	21:15	6	14	6	12	12	11	13	4	88	40	69	996	0.00
	21:30	7	15	5	13	13	13	14	4	95	39	69	996	0.00
	21:45	8	13	6	12	13	12	13	4	127	39	70	996	0.00
	22:00	7	13	6	12	11	11	12	4	123	38	70	996	0.00
	22:15	7	13	5	12	12	11	12	4	108	38	72	996	0.00
	22:30	9	13	5	11	12	11	12	5	89	38	73	996	0.00
	22:45	9	13	5	11	12	11	12	4	110	38	75	996	0.00
	23:00	8	14	5	12	12	11	13	5	93	37	76	996	0.00
	23:15	11	14	6	12	13	11	13	6	98	37	77	996	0.00
	23:30	13	14	6	12	14	12	14	5	104	37	78	996	0.00
	23:45	13	15	6	12	14	11	14	5	95	36	78	996	0.00
	00:00	12	15	6	13	15	12	15	4	107	36	78	996	0.00

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

Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
2/14/2024	00:15	11	15	7	13	14	12	15	5	110	36	78	996	0.00
	00:30	13	16	7	13	16	12	16	5	87	36	78	996	0.00
	00:45	13	16	7	14	15	13	16	5	91	36	78	996	0.00
	01:00	12	16	7	15	15	13	16	4	73	36	78	997	0.00
	01:15	13	16	7	15	15	12	16	4	89	36	78	997	0.00
	01:30	14	16	7	15	14	13	16	5	87	36	77	997	0.00
	01:45	13	16	7	15	15	13	16	5	68	36	75	997	0.00
	02:00	13	16	7	14	15	12	17	5	62	37	75	997	0.00
	02:15	14	16	7	15	15	13	17	4	63	36	76	997	0.00
	02:30	13	16	7	15	14	12	16	3	42	35	79	997	0.00
	02:45	11	15	6	14	12	11	16	3	46	35	77	998	0.00
	03:00	11	14	6	14	12	10	14	4	39	35	78	998	0.00
	03:15	11	14	5	13	11	9	13	3	55	35	76	998	0.00
	03:30	9	13	5	12	12	9	12	5	71	35	75	998	0.00
	03:45	9	12	5	11	11	9	12	6	96	35	76	998	0.00
	04:00	9	12	5	11	11	9	12	6	97	35	77	998	0.00
	04:15	9	12	5	10	10	9	12	6	88	35	78	998	0.00
	04:30	8	12	5	10	11	8	11	5	106	34	79	998	0.00
	04:45	8	12	5	10	11	9	12	4	105	34	81	998	0.00
	05:00	9	12	5	11	12	9	12	5	103	34	81	998	0.00
	05:15	10	12	5	11	12	10	12	4	112	33	82	998	0.00
	05:30	9	13	5	11	13	10	13	5	95	33	83	999	0.00
	05:45	10	14	6	12	14	11	13	4	107	33	82	999	0.00
	06:00	11	15	6	12	13	11	14	3	103	32	83	999	0.00
	06:15	12	15	6	13	14	12	15	3	119	32	84	999	0.00
	06:30	12	16	7	14	16	14	15	2	88	32	84	999	0.00
	06:45	15	19	8	15	18	15	18	2	88	32	84	1000	0.00
	07:00	17	20	9	19	17	14	19	3	77	32	83	1000	0.00
	07:15	16	18	8	19	17	15	18	3	101	32	82	1000	0.00
	07:30	15	18	8	17	18	16	18	3	88	32	81	1000	0.00
	07:45	16	19	8	17	17	16	20	4	92	33	79	1000	0.00
	08:00	10	14	7	17	13	19	21	5	84	34	76	1000	0.00
	08:15	16	21	8	16	18	13	27	6	81	35	74	1001	0.00
	08:30	16	20	9	14	19	15	15	5	99	36	71	1001	0.00
	08:45	17	20	9	16	18	17	20	5	103	37	69	1001	0.00
	09:00	17	18	8	17	16	16	18	7	103	38	67	1001	0.00
	09:15	14	17	7	16	15	15	17	7	100	40	65	1001	0.00
	09:30	12	15	6	15	15	14	17	7	92	41	64	1001	0.00
	09:45	12	15	6	14	14	14	16	7	97	42	64	1001	0.00
	10:00	11	15	6	14	14	14	15	8	97	43	61	1001	0.00
	10:15	10	14	5	13	12	12	13	7	122	44	57	1001	0.00
	10:30	9	11	4	11	9	9	10	6	132	45	56	1001	0.00
	10:45	6	10	4	10	9	8	10	8	91	45	58	1001	0.00
	11:00	7	9	3	11	9	9	10	8	106	46	57	1001	0.00
	11:15	6	10	3	10	9	9	10	5	99	48	55	1001	0.00
	11:30	7	10	4	9	10	9	10	5	108	48	54	1001	0.00
	11:45	9	12	4	9	11	10	12	5	126	49	53	1000	0.00
	12:00	9	12	5	10	12	11	12	5	115	49	53	1000	0.00
	12:15	10	13	5	12	12	11	13	5	140	50	51	1000	0.00
	12:30	12	16	7	14	15	14	16	5	115	51	52	1000	0.00
	12:45	12	16	6	14	14	14	16	5	119	52	52	1000	0.00
	13:00	12	15	6	14	14	17	20	4	127	52	50	999	0.00
	13:15	14	17	7	15	15	15	17	4	138	53	50	999	0.00
	13:30	13	15	6	16	14	14	15	5	130	53	49	999	0.00
	13:45	11	14	6	15	13	13	15	5	111	53	51	999	0.00
	14:00	9	13	5	14	12	12	14	4	159	54	50	999	0.00
	14:15	10	14	5	13	11	12	13	5	118	54	48	998	0.00
	14:30	9	12	5	13	10	11	13	4	135	54	48	998	0.00
	14:45	10	13	5	14	12	12	14	3	128	55	49	998	0.00
	15:00	9	13	5	14	11	12	14	4	133	55	49	998	0.00
	15:15	41	42	21	13	67	32	44	4	125	55	51	998	0.00
	15:30	31	35	17	60	36	46	43	3	134	55	49	997	0.00
	15:45	21	26	11	24	23	20	20	3	123	55	50	997	0.00
	16:00	14	17	6	26	23	25	30	4	98	55	49	997	0.00
	16:15	16	19	8	15	16	18	17	3	124	55	49	997	0.00
	16:30	16	18	7	16	23	20	22	4	125	54	52	997	0.00
	16:45	14	15	6	17	18	17	19	3	129	54	52	997	0.00
	17:00	10	13	5	14	19	23	26	4	117	53	54	997	0.00
	17:15	12	14	5	11	27	29	32	3	129	52	56	997	0.00
	17:30	10	11	4	14	24	30	35	3	118	51	58	997	0.00
	17:45	11	13	4	13	29	36	37	3	118	50	60	997	0.00
	18:00	17	17	5	15	29	36	37	3	118	50	60	997	0.00
	18:15	16	17	6	17	39	38	41	3	127	49	62	997	0.00
	18:30	22	23	7	16	38	32	35	3	134	48	64	997	0.00
	18:45	29	31	9	19	34	31	34	3	148	47	65	997	0.00
	19:00	24	29	13	30	19	15	17	4	160	47	66	997	0.00
	19:15	24	29	15	33	12	11	12	3	164	46	68	997	0.00
	19:30	23	26	13	28	15	12	14	4	153	46	68	996	0.00
	19:45	19	24	12	25	16	13	16	4	145	46	69	996	0.00
	20:00	28	33	12	25	17	14	18	4	154	45	70	996	0.00
	20:15	29	33	17	36	19	16	20	3	155	45	70	996	0.00
	20:30	31	34	15	33	24	20	24	3	142	44	71	996	0.00
	20:45	35	41	15	35	30	25	28	4	155	44	73	996	0.00
	21:00	29	31	19	40	37	24	30	3	149	43	74	996	0.00
	21:15	34	35	13	26	67	53	64	4	141	43	75	996	0.00
	21:30	24	26	14	30	37	27	30	4	145	43	75	996	0.00
	21:45	30	32	10	20	70	46	59	4	139	43	75	995	0.00
	22:00	23	27	12	26	46	42	43	4	147	43	75	995	0.00
	22:15	20	25	11	21	46	26	31	4	142	43	75	995	0.00
	22:30	12	15	11	22	35	22	24	4	156	44	73	995	0.00
	22:45	11	14	6	14	15	13	15	4	171	45	72	995	0.00
	23:00	11	13	5	13	13	11	13	5	167	45	73	995	0.00
	23:15	9	12	5	12	12	11	13	4	163	44	74	995	0.00
	23:30	9	12	5	11	11	10	12	4	176	44	74	995	0.00
	23:45	8	10	5	10	11	9	11	4	178	44	75	994	0.00
	00:00	7	9	4	10	10	8	10	3	173	44	75	994	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
2/15/2024	00:15	6	9	4	8	9	7	9	4	181	44	74	994	0.00
	00:30	7	9	4	8	8	7	8	4	192	45	74	994	0.00
	00:45	6	8	3	7	8	7	8	4	186	44	75	994	0.00
	01:00	5	8	3	7	7	7	7	4	180	44	75	993	0.00
	01:15	5	8	3	6	7	6	7	4	182	44	76	993	0.00
	01:30	5	7	3	6	6	6	6	4	182	44	77	993	0.00
	01:45	4	6	2	6	6	6	6	5	180	44	76	992	0.00
	02:00	3	6	2	5	5	5	5	4	186	45	76	992	0.00
	02:15	3	6	2	5	5	5	5	6	194	46	73	991	0.00
	02:30	3	6	2	5	5	5	5	5	197	46	74	991	0.00
	02:45	3	6	2	5	5	5	5	6	202	45	75	991	0.00
	03:00	3	6	2	5	5	5	5	5	198	45	76	991	0.00
	03:15	3	6	2	5	5	5	5	6	200	44	78	991	0.00
	03:30	3	6	2	5	5	5	5	6	200	44	78	991	0.00
	03:45	3	6	2	5	5	5	5	6	202	44	78	990	0.00
	04:00	3	6	2	5	5	5	5	5	201	44	79	990	0.00
	04:15	3	5	2	5	5	5	5	6	205	44	77	990	0.00
	04:30	3	5	2	5	5	4	5	7	207	45	76	991	0.00
	04:45	2	5	2	4	5	5	5	7	213	45	82	990	0.01
	05:00	3	5	2	4	5	4	5	5	208	45	83	990	0.00
	05:15	3	6	2	4	4	4	5	5	197	45	82	990	0.00
	05:30	2	5	2	4	4	4	5	5	203	45	80	990	0.00
	05:45	2	5	2	4	4	4	5	5	202	45	80	990	0.00
	06:00	3	5	2	4	4	4	5	5	206	45	81	990	0.00
	06:15	3	5	2	4	4	5	5	5	216	44	81	991	0.00
	06:30	3	5	2	4	4	4	5	4	218	44	81	991	0.00
	06:45	3	6	2	5	4	4	5	4	213	44	82	991	0.00
	07:00	4	6	2	5	5	5	5	5	220	44	80	991	0.00
	07:15	3	6	2	5	5	5	5	5	222	45	79	991	0.00
	07:30	3	6	2	5	5	5	5	5	222	45	79	992	0.00
	07:45	0	6	2	5	5	5	6	3	206	45	80	992	0.00
	08:00	3	4	4	7	6	5	5	3	202	45	81	993	0.00
	08:15	5	7	1	3	10	5	6	3	214	46	80	993	0.00
	08:30	6	7	2	6	13	5	5	3	227	47	79	993	0.00
	08:45	7	8	2	7	7	5	7	4	297	49	70	994	0.00
	09:00	7	9	3	6	8	8	7	5	320	48	71	994	0.00
	09:15	8	10	3	9	8	8	9	5	314	47	74	995	0.00
	09:30	8	10	4	9	10	10	11	3	245	45	75	995	0.00
	09:45	8	9	4	8	9	11	13	3	270	45	72	995	0.00
	10:00	8	9	4	8	9	9	10	3	244	45	71	996	0.00
	10:15	8	9	4	8	10	9	10	3	276	45	71	996	0.00
	10:30	6	8	3	8	8	9	9	5	285	44	71	996	0.00
	10:45	7	8	3	8	9	8	8	3	260	45	69	997	0.00
	11:00	7	8	3	7	8	8	8	3	229	45	68	997	0.00
	11:15	6	7	3	7	8	8	8	3	249	45	66	998	0.00
	11:30	6	8	3	6	8	7	8	4	286	47	63	998	0.00
	11:45	6	8	3	5	8	7	7	3	271	49	63	998	0.00
	12:00	6	8	3	8	8	7	8	4	251	48	62	998	0.00
	12:15	4	6	3	7	8	7	7	4	258	48	62	998	0.00
	12:30	3	5	2	5	6	6	6	3	266	49	59	999	0.00
	12:45	2	5	2	4	5	5	5	3	259	50	58	999	0.00
	13:00	2	5	1	3	5	4	5	3	256	50	56	999	0.00
	13:15	2	4	1	2	5	4	5	4	294	49	57	999	0.00
	13:30	1	4	1	2	13	4	5	4	292	49	55	999	0.00
	13:45	2	4	1	1	6	4	5	5	305	49	52	998	0.00
	14:00	2	4	1	1	4	4	4	3	301	50	52	998	0.00
	14:15	2	4	1	2	4	4	5	5	332	50	52	998	0.00
	14:30	1	4	1	2	4	4	4	4	313	50	49	998	0.00
	14:45	1	3	1	2	3	4	4	4	342	50	48	998	0.00
	15:00	1	4	1	2	3	3	3	3	331	51	45	998	0.00
	15:15	0	3	1	3	3	3	3	3	315	51	45	998	0.00
	15:30	0	3	1	2	3	3	3	4	351	50	44	998	0.00
	15:45	1	3	1	1	2	2	2	5	358	49	44	998	0.00
	16:00	0	3	1	0	2	3	3	3	309	50	42	998	0.00
	16:15	0	3	1	0	2	2	2	4	348	50	40	998	0.00
	16:30	0	7	0	0	1	2	2	4	350	49	39	998	0.00
	16:45	0	6	1	2	3	4	3	4	2	49	41	998	0.00
	17:00	1	9	1	3	2	2	1	3	1	48	42	998	0.00
	17:15	0	5	1	4	3	3	2	3	16	48	44	998	0.00
	17:30	1	3	1	2	2	2	2	2	273	47	43	999	0.00
	17:45	4	5	0	1	2	2	2	2	219	45	44	999	0.00
	18:00	11	13	2	5	4	3	4	1	226	44	44	999	0.00
	18:15	6	12	4	5	10	15	16	2	209	44	46	999	0.00
	18:30	16	15	2	4	9	10	11	2	219	43	47	999	0.00
	18:45	20	25	5	12	15	16	19	2	208	41	49	1000	0.00
	19:00	7	12	10	20	22	20	21	1	217	41	51	1000	0.00
	19:15	7	9	4	8	9	8	7	2	214	41	52	1000	0.00
	19:30	5	8	3	6	7	7	8	2	210	41	53	1000	0.00
	19:45	5	7	2	4	6	7	7	2	199	40	53	1000	0.00
	20:00	4	6	2	4	6	6	7	1	208	40	55	1000	0.00
	20:15	5	7	2	4	5	5	6	1	210	39	56	1000	0.00
	20:30	5	7	3	5	6	6	6	2	224	38	58	1000	0.00
	20:45	5	6	3	5	6	6	6	2	217	37	60	1000	0.00
	21:00	4	7	2	5	6	5	5	2	231	36	61	1000	0.00
	21:15	4	7	2	5	6	5	5	2	251	36	58	1000	0.00
	21:30	4	6	2	4	6	5	5	1	253	37	55	1000	0.00
	21:45	5	7	2	5	5	5	5	1	17	37	54	1000	0.00
	22:00	3	5	2	5	6	5	6	2	11	37	54	1000	0.00
	22:15	2	4	2	2	4	3	3	2	9	36	53	1000	0.00
	22:30	2	4	1	2	4	3	3	2	6	36	55	1000	0.00
	22:45	2	4	1	2	3	3	3	2	11	36	55	1000	0.00
	23:00	2	4	1	2	3	3	3	2	3	35	58	1000	0.00
	23:15	2	4	1	2	3	3	3	3	13	35	56	1000	0.00
	23:30	2	4	1	2	3	3	3	2	16	35	58	1000	0.00
	23:45	2	4	1	2	3	2	3	3	37	34	59	999	0.00
	00:00	2	4	1	2	4	2	3	3	37	34	58	999	0.00

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

Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
2/16/2024	00:15	1	3	1	2	3	2	2	3	31	34	60	999	0.00
	00:30	1	3	1	3	3	2	4	3	24	34	60	1000	0.00
	00:45	1	3	1	3	3	3	4	3	30	35	61	1000	0.00
	01:00	1	3	1	3	3	3	4	3	37	35	61	1000	0.00
	01:15	1	3	1	2	3	3	4	3	37	35	62	1000	0.00
	01:30	1	3	1	3	2	3	4	2	29	35	62	999	0.00
	01:45	1	3	1	3	2	2	4	2	38	35	63	1000	0.00
	02:00	1	3	1	3	2	2	3	2	29	35	63	1000	0.00
	02:15	0	3	1	2	2	2	3	2	33	35	63	1000	0.00
	02:30	0	2	1	3	2	2	3	3	34	34	63	1000	0.00
	02:45	0	2	1	3	2	2	3	3	30	34	59	999	0.00
	03:00	0	2	0	2	2	2	3	5	42	35	55	999	0.00
	03:15	0	2	0	2	1	1	2	4	42	34	57	998	0.00
	03:30	0	2	0	2	1	1	2	4	52	34	58	999	0.00
	03:45	0	2	0	2	1	1	2	3	42	34	57	999	0.00
	04:00	0	2	0	2	2	1	2	3	33	34	57	999	0.00
	04:15	1	3	0	3	2	2	3	3	43	34	58	999	0.00
	04:30	1	4	1	3	3	2	3	4	82	34	61	999	0.00
	04:45	1	3	1	5	3	3	4	3	69	34	59	998	0.00
	05:00	0	3	1	3	2	2	3	5	83	34	57	998	0.00
	05:15	0	2	0	3	2	2	3	6	60	34	57	998	0.00
	05:30	0	2	0	2	2	2	3	7	51	34	54	998	0.00
	05:45	0	2	0	2	2	2	3	6	51	34	55	998	0.00
	06:00	0	2	0	2	2	1	3	5	38	33	58	999	0.00
	06:15	0	2	0	2	2	2	3	6	52	33	59	999	0.00
	06:30	0	3	1	2	2	2	3	6	40	33	61	999	0.00
	06:45	1	3	1	2	2	2	3	6	38	33	62	998	0.00
	07:00	0	2	1	3	2	2	3	4	19	33	64	999	0.00
	07:15	0	2	0	3	2	2	3	5	18	32	77	999	0.00
	07:30	0	2	0	2	2	2	3	7	25	30	87	999	0.00
	07:45	0	2	0	3	2	1	3	6	29	29	91	998	0.00
	08:00	0	2	0	2	2	2	3	6	19	29	93	998	0.00
	08:15	0	3	0	1	1	2	3	6	18	29	94	998	0.00
	08:30	0	3	0	1	2	1	2	5	27	29	95	999	0.00
	08:45	0	3	0	1	2	2	3	5	32	29	96	999	0.00
	09:00	0	4	1	2	3	4	5	5	30	28	96	999	0.00
	09:15	0	3	1	2	3	5	6	5	44	28	96	999	0.00
	09:30	0	3	1	2	2	3	4	5	33	28	96	998	0.00
	09:45	1	4	1	2	3	3	4	4	41	28	96	998	0.00
	10:00	1	4	1	2	3	3	4	4	21	28	96	998	0.00
	10:15	1	5	1	3	4	3	4	4	27	28	96	998	0.00
	10:30	2	5	1	3	4	4	5	5	23	28	97	998	0.00
	10:45	1	5	1	3	4	4	5	4	24	29	97	998	0.00
	11:00	2	5	1	3	4	4	5	4	19	29	96	998	0.00
	11:15	3	6	2	3	4	4	5	4	16	29	97	998	0.00
	11:30	3	6	2	4	5	5	6	4	15	29	97	997	0.00
	11:45	3	6	2	5	5	5	7	4	7	29	97	997	0.00
	12:00	3	7	2	4	6	6	7	5	10	28	97	997	0.00
	12:15	5	8	2	5	6	5	7	6	7	28	97	997	0.00
	12:30	4	7	3	6	7	7	8	6	8	28	97	997	0.00
	12:45	3	7	2	5	6	6	7	5	6	28	97	997	0.00
	13:00	3	7	2	5	6	5	7	6	7	28	97	996	0.00
	13:15	3	7	2	5	6	5	6	6	12	28	97	996	0.00
	13:30	2	5	2	5	6	5	7	6	13	28	97	996	0.00
	13:45	2	5	2	4	5	5	6	5	7	28	97	996	0.00
	14:00	2	5	2	4	5	4	6	6	10	27	97	996	0.00
	14:15	1	4	2	4	4	4	6	6	8	27	97	996	0.00
	14:30	1	4	1	3	4	4	5	6	6	27	97	996	0.00
	14:45	1	4	1	3	4	4	5	5	8	27	97	996	0.00
	15:00	0	4	1	3	4	4	5	6	9	27	97	996	0.00
	15:15	0	3	1	2	3	3	3	5	3	27	97	996	0.00
	15:30	0	3	1	2	3	2	3	5	1	26	97	996	0.00
	15:45	0	3	0	2	2	2	3	4	359	26	97	996	0.00
	16:00	1	4	1	2	3	2	3	5	356	27	97	996	0.00
	16:15	1	5	1	3	3	3	4	5	6	27	97	996	0.00
	16:30	1	5	1	4	4	3	4	4	358	27	96	997	0.00
	16:45	1	5	1	5	4	4	5	4	353	27	96	997	0.00
	17:00	2	5	1	4	5	4	5	4	352	26	97	997	0.00
	17:15	3	6	2	5	5	4	6	3	344	27	96	997	0.00
	17:30	4	7	2	6	6	5	7	3	345	26	97	997	0.00
	17:45	2	6	2	6	6	6	7	3	332	26	96	998	0.00
	18:00	2	6	2	5	5	4	6	3	340	26	96	998	0.00
	18:15	1	5	2	7	5	4	5	3	336	25	96	998	0.00
	18:30	1	5	1	6	4	3	5	3	323	25	96	998	0.00
	18:45	2	5	1	7	4	3	5	3	321	24	96	998	0.00
	19:00	2	5	1	6	5	3	5	3	332	24	96	998	0.00
	19:15	1	5	2	6	5	4	5	2	313	25	96	998	0.00
	19:30	3	6	1	5	4	4	5	2	297	25	97	998	0.00
	19:45	2	6	2	6	5	4	5	1	295	26	97	998	0.00
	20:00	2	6	2	6	5	4	5	2	278	26	96	999	0.00
	20:15	4	7	2	6	5	4	5	1	270	26	96	999	0.00
	20:30	7	11	2	9	7	6	7	2	275	26	95	999	0.00
	20:45	8	10	4	12	9	7	9	2	285	26	91	999	0.00
	21:00	7	11	4	9	9	7	10	2	302	27	87	999	0.00
	21:15	9	11	5	9	11	9	12	3	313	26	82	999	0.00
	21:30	8	10	5	11	11	9	11	2	294	26	80	1000	0.00
	21:45	7	11	4	10	8	8	11	2	292	25	79	999	0.00
	22:00	5	10	4	9	10	7	10	2	283	24	83	999	0.00
	22:15	6	8	4	7	9	7	9	3	291	24	82	999	0.00
	22:30	4	8	3	7	7	7	9	2	291	24	80	999	0.00
	22:45	5	8	3	7	8	6	9	2	288	23	80	999	0.00
	23:00	4	9	3	5	7	6	8	2	279	22	78	1000	0.00
	23:15	4	8	3	4	6	6	7	3	300	22	77	1000	0.00
	23:30	5	8	3	5	7	5	7	4	304	21	76	1000	0.00
	23:45	6	10	3	5	6	5	7	3	299	21	76	1000	0.00
	00:00	6	10	4	6	9	7	9	4	315	21	74	1000	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	9	9	4	8	7	6	9	4	320	20	74	1000	0.00
	00:30	9	10	3	8	9	7	9	5	319	20	74	1000	0.00
	00:45	11	9	4	8	9	9	11	4	318	19	72	1000	0.00
	01:00	8	10	4	7	9	8	9	5	322	19	72	1000	0.00
	01:15	10	10	3	9	10	7	10	4	326	18	73	1000	0.00
	01:30	8	10	4	7	8	9	10	4	324	18	74	1000	0.00
	01:45	10	10	4	7	9	7	10	4	314	17	74	1000	0.00
	02:00	8	9	3	7	8	7	9	4	307	16	74	1000	0.00
	02:15	8	9	3	7	7	7	9	3	300	16	74	1001	0.00
	02:30	7	9	3	6	8	7	9	3	295	15	74	1001	0.00
	02:45	6	8	3	6	6	5	8	3	285	15	74	1001	0.00
	03:00	7	8	3	6	6	6	7	3	285	15	74	1001	0.00
	03:15	6	8	3	5	7	6	7	3	289	14	74	1001	0.00
	03:30	8	8	3	5	6	5	7	2	284	14	74	1001	0.00
	03:45	6	8	3	5	6	5	7	2	285	14	75	1002	0.00
	04:00	6	7	3	6	7	6	8	3	277	13	76	1002	0.00
	04:15	7	7	3	5	6	6	7	3	273	13	77	1002	0.00
	04:30	5	7	2	5	5	5	6	3	272	13	77	1002	0.00
	04:45	6	7	2	4	5	5	6	3	283	13	78	1002	0.00
	05:00	6	7	2	5	6	5	6	3	280	12	78	1002	0.00
	05:15	5	7	3	5	6	5	7	3	269	12	78	1003	0.00
	05:30	6	7	2	5	5	5	6	3	263	12	79	1003	0.00
	05:45	5	7	2	4	5	4	6	2	265	11	79	1003	0.00
	06:00	5	7	2	4	5	4	6	2	272	11	80	1003	0.00
	06:15	6	7	2	4	5	4	6	2	262	10	80	1003	0.00
	06:30	5	6	2	4	4	4	5	2	261	10	80	1003	0.00
	06:45	6	7	2	4	4	4	5	2	255	10	80	1004	0.00
	07:00	6	7	2	4	6	6	7	2	249	9	81	1004	0.00
	07:15	5	7	2	4	5	5	6	2	252	9	80	1004	0.00
	07:30	6	8	2	4	5	4	6	2	244	10	81	1004	0.00
	07:45	5	7	3	5	5	5	6	3	242	10	81	1004	0.00
	08:00	4	6	3	5	6	6	7	2	251	11	80	1005	0.00
	08:15	7	8	2	4	10	6	7	3	252	12	77	1005	0.00
	08:30	6	7	3	6	4	5	8	3	260	13	73	1004	0.00
	08:45	8	7	3	7	7	4	5	2	276	15	72	1004	0.00
	09:00	6	7	3	8	9	7	9	2	267	16	70	1004	0.00
	09:15	7	8	3	8	7	8	9	3	254	16	69	1004	0.00
	09:30	7	10	3	8	8	7	8	3	254	16	69	1004	0.00
	09:45	6	9	3	8	8	7	8	3	250	16	69	1004	0.00
	10:00	6	7	3	8	7	7	8	4	241	16	69	1004	0.00
	10:15	5	7	2	8	8	7	7	3	244	17	66	1005	0.00
	10:30	5	7	2	6	7	7	8	4	253	17	66	1005	0.00
	10:45	6	8	2	6	8	7	8	4	260	17	66	1005	0.00
	11:00	6	7	2	7	8	7	8	4	253	17	67	1005	0.00
	11:15	6	8	2	7	8	7	8	4	253	18	66	1005	0.00
	11:30	6	7	2	7	8	7	8	4	249	18	65	1005	0.00
	11:45	5	7	3	7	9	7	8	4	254	18	66	1005	0.00
2/17/2024	12:00	5	31	2	7	8	7	7	5	252	18	64	1005	0.00
	12:15	5	7	11	17	8	6	7	5	249	18	65	1005	0.00
	12:30	4	6	2	8	8	6	7	3	251	20	61	1005	0.00
	12:45	4	5	2	7	7	6	6	4	243	19	62	1004	0.00
	13:00	4	5	2	7	7	5	6	4	256	20	62	1004	0.00
	13:15	4	5	2	6	7	6	7	4	261	20	62	1004	0.00
	13:30	3	4	1	5	6	6	6	4	258	21	57	1003	0.00
	13:45	4	5	1	5	5	5	5	4	259	21	58	1003	0.00
	14:00	3	5	2	6	6	5	6	4	257	22	57	1003	0.00
	14:15	4	6	1	5	6	5	6	4	261	21	58	1002	0.00
	14:30	3	5	2	5	6	6	7	4	254	22	56	1002	0.00
	14:45	3	5	1	5	5	5	5	4	254	22	56	1002	0.00
	15:00	3	5	1	5	5	5	5	5	251	22	56	1002	0.00
	15:15	3	4	1	5	5	5	6	6	249	21	55	1002	0.00
	15:30	3	4	1	7	5	5	6	5	250	22	55	1002	0.00
	15:45	3	4	1	8	6	6	6	4	256	22	54	1001	0.00
	16:00	4	5	1	7	6	5	6	4	249	23	53	1001	0.00
	16:15	5	5	1	8	6	5	6	5	252	23	56	1001	0.00
	16:30	5	5	1	8	6	6	7	4	250	23	53	1001	0.00
	16:45	5	5	1	7	6	6	6	4	245	22	57	1001	0.00
	17:00	5	5	2	6	6	6	7	5	245	22	57	1000	0.00
	17:15	6	6	2	5	7	6	7	4	243	22	58	1000	0.00
	17:30	6	7	2	6	7	7	8	3	251	21	59	1000	0.00
	17:45	7	8	3	7	7	8	9	4	247	20	62	1000	0.00
	18:00	7	8	3	6	6	6	8	3	250	19	65	1000	0.00
	18:15	8	10	3	6	6	7	7	2	247	19	67	1000	0.00
	18:30	7	9	4	6	8	6	8	4	253	19	64	1000	0.00
	18:45	8	7	3	6	8	7	8	3	248	19	66	1000	0.00
	19:00	6	8	3	6	7	7	8	3	253	19	65	1000	0.00
	19:15	6	7	3	5	7	6	8	4	258	19	65	999	0.00
	19:30	6	7	3	6	7	5	7	3	250	18	65	999	0.00
	19:45	6	6	2	4	6	5	6	3	252	18	65	999	0.00
	20:00	4	6	2	5	5	5	6	4	253	18	65	999	0.00
	20:15	5	6	2	4	5	4	5	3	252	18	65	999	0.00
	20:30	4	6	2	5	6	5	6	3	245	18	65	999	0.00
	20:45	4	6	2	4	5	5	5	3	245	17	66	998	0.00
	21:00	4	5	2	4	5	4	6	3	237	17	67	998	0.00
	21:15	4	6	2	5	5	5	6	3	240	17	67	998	0.00
	21:30	4	6	2	4	6	5	6	3	246	17	68	998	0.00
	21:45	4	5	2	4	5	5	6	3	244	17	68	998	0.00
	22:00	4	5	2	4	5	4	5	3	241	17	68	997	0.00
	22:15	4	5	2	4	5	5	6	3	240	17	68	997	0.00
	22:30	4	5	2	3	5	4	5	4	237	17	69	997	0.00
	22:45	4	6	2	4	4	4	5	3	233	18	69	997	0.00
	23:00	7	8	2	5	5	4	6	3	239	18	69	997	0.00
	23:15	9	10	4	7	7	6	9	3	245	17	70	997	0.00
	23:30	9	12	4	9	9	9	11	3	236	17	71	997	0.00
	23:45	8	9	5	9	11	10	12	2	238	17	72	997	0.00
	00:00	6	7	3	7	10	8	10	3	234	17	72	997	0.00

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

Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
2/18/2024	00:15	5	7	3	6	7	6	7	3	238	18	72	997	0.00
	00:30	7	8	3	7	6	6	6	4	239	19	71	997	0.00
	00:45	7	9	3	8	6	6	7	5	249	20	71	996	0.00
	01:00	7	9	3	9	7	6	8	5	236	20	70	996	0.00
	01:15	8	8	3	8	7	6	8	5	244	20	70	996	0.00
	01:30	6	8	3	8	7	6	8	4	241	21	70	996	0.00
	01:45	7	9	3	8	7	7	8	5	245	21	69	996	0.00
	02:00	7	8	3	8	7	6	8	5	246	22	67	996	0.00
	02:15	7	8	3	7	7	6	7	5	251	22	67	995	0.00
	02:30	8	9	3	8	7	6	8	5	248	22	67	995	0.00
	02:45	6	8	3	8	7	7	7	5	243	22	67	994	0.00
	03:00	8	8	3	7	7	6	7	5	243	22	67	994	0.00
	03:15	7	8	3	8	6	6	7	4	249	22	67	994	0.00
	03:30	7	9	3	8	7	6	7	5	246	22	67	994	0.00
	03:45	7	7	3	7	7	7	8	5	248	22	67	994	0.00
	04:00	7	8	3	7	7	6	7	4	248	22	69	993	0.00
	04:15	9	10	3	8	7	6	8	3	231	21	71	993	0.00
	04:30	7	8	4	8	7	7	9	3	246	20	72	993	0.00
	04:45	6	7	3	7	7	7	8	3	233	20	72	993	0.00
	05:00	6	7	3	7	6	6	7	3	231	21	71	993	0.00
	05:15	5	7	2	6	6	5	6	4	245	22	68	993	0.00
	05:30	5	6	2	6	5	5	6	4	250	22	69	993	0.00
	05:45	6	7	2	6	6	5	6	3	246	22	69	993	0.00
	06:00	5	7	2	6	5	5	6	3	242	22	69	993	0.00
	06:15	6	6	2	6	5	5	6	4	245	22	69	993	0.00
	06:30	6	7	2	6	6	5	6	4	247	22	69	993	0.00
	06:45	7	8	3	7	6	6	6	4	242	22	70	993	0.00
	07:00	6	7	3	7	6	6	7	3	242	21	70	992	0.00
	07:15	5	7	2	7	6	6	7	4	240	21	70	992	0.00
	07:30	6	7	2	6	6	5	6	5	246	22	69	993	0.00
	07:45	5	6	3	6	6	6	6	5	242	23	67	993	0.00
	08:00	6	6	2	6	5	5	6	5	244	23	66	993	0.00
	08:15	5	6	2	6	6	5	6	5	248	24	65	993	0.00
	08:30	6	6	2	7	6	5	5	5	245	25	64	993	0.00
	08:45	6	5	2	8	5	6	6	5	253	26	61	994	0.00
	09:00	6	6	2	9	6	6	6	5	250	27	61	994	0.00
	09:15	5	5	2	10	6	6	6	6	247	28	59	994	0.00
	09:30	5	5	2	8	6	5	6	6	248	29	58	994	0.00
	09:45	4	5	2	7	6	5	5	6	249	30	58	994	0.00
	10:00	4	5	2	9	5	6	5	7	245	31	56	994	0.00
	10:15	4	5	1	8	5	6	5	7	244	32	57	994	0.00
	10:30	4	5	1	6	5	5	5	6	238	32	57	994	0.00
	10:45	4	5	1	6	5	6	6	6	242	33	55	994	0.00
	11:00	4	5	1	6	5	6	6	6	238	33	55	994	0.00
	11:15	4	5	1	6	5	6	6	7	241	34	56	994	0.00
	11:30	4	5	2	6	5	6	6	7	242	34	56	994	0.00
	11:45	4	5	1	7	5	6	6	6	244	35	54	994	0.00
	12:00	4	5	1	6	5	6	6	7	241	35	56	994	0.00
	12:15	4	5	2	6	5	6	6	6	239	36	54	994	0.00
	12:30	4	5	1	6	5	6	6	7	243	36	52	994	0.00
	12:45	5	5	1	6	5	6	6	7	243	37	54	994	0.00
	13:00	4	5	2	8	5	6	6	6	235	37	54	994	0.07
	13:15	4	5	2	8	5	6	6	6	233	38	54	993	0.08
	13:30	4	5	2	7	5	6	6	6	240	38	56	993	0.05
	13:45	4	5	2	6	5	6	6	6	241	38	54	993	0.01
	14:00	4	5	2	6	5	6	6	5	240	39	53	993	0.00
	14:15	5	5	1	7	5	6	6	5	232	40	54	993	0.00
	14:30	4	5	1	9	4	6	7	6	238	40	52	993	0.00
	14:45	4	5	1	8	4	6	6	6	233	40	56	993	0.00
	15:00	4	5	1	8	4	6	6	5	231	41	53	993	0.00
	15:15	4	5	1	8	4	6	6	5	240	41	53	993	0.00
	15:30	4	5	1	8	4	6	6	5	237	41	52	993	0.00
	15:45	4	4	1	8	4	6	6	6	236	41	54	993	0.00
	16:00	4	4	1	7	4	5	5	4	237	42	53	993	0.00
	16:15	4	4	1	7	4	6	6	3	218	43	51	993	0.00
	16:30	4	4	1	7	4	6	6	3	207	43	50	993	0.00
	16:45	5	5	1	7	5	6	6	3	220	42	53	994	0.00
	17:00	5	5	1	7	5	6	7	3	220	41	54	994	0.00
	17:15	5	6	2	9	5	6	7	3	220	41	55	994	0.00
	17:30	5	6	2	7	6	7	7	3	221	40	58	994	0.00
	17:45	6	6	2	8	6	9	8	3	224	38	62	994	0.00
	18:00	8	7	2	9	6	6	7	2	225	36	65	994	0.00
	18:15	9	8	3	8	5	7	7	2	227	35	68	994	0.00
	18:30	6	7	3	9	6	8	9	1	234	33	71	994	0.00
	18:45	8	7	3	8	7	7	8	2	218	32	75	994	0.00
	19:00	7	8	2	8	6	7	8	1	233	31	80	995	0.00
	19:15	12	9	3	9	6	8	10	1	229	30	83	995	0.00
	19:30	11	12	4	11	9	12	14	1	249	30	82	995	0.00
	19:45	12	13	4	13	11	12	13	1	224	29	87	995	0.00
	20:00	12	13	5	15	13	11	13	1	265	28	87	995	0.00
	20:15	13	12	5	14	14	13	15	1	227	28	86	995	0.00
	20:30	11	11	5	14	14	13	14	1	260	27	88	995	0.00
	20:45	10	11	4	12	10	11	12	1	217	27	86	995	0.00
	21:00	10	11	4	17	11	10	12	1	322	27	86	995	0.00
	21:15	9	10	5	16	11	9	11	1	257	26	87	995	0.00
	21:30	8	9	4	13	10	10	11	1	256	26	88	995	0.00
	21:45	8	9	3	12	9	9	10	1	241	26	89	995	0.00
	22:00	6	7	3	11	9	8	9	1	265	25	90	996	0.00
	22:15	7	8	3	11	8	7	8	1	244	25	93	996	0.00
	22:30	6	6	3	12	7	6	7	1	255	25	94	996	0.00
	22:45	6	6	2	10	6	7	7	1	240	25	93	996	0.00
	23:00	6	6	2	9	6	6	7	1	249	24	94	996	0.00
	23:15	12	7	2	10	6	6	6	1	265	24	94	996	0.00
	23:30	40	23	3	11	13	12	17	2	272	25	94	996	0.00
	23:45	49	32	8	22	22	35	44	1	270	25	93	996	0.00
	00:00	40	43	13	32	33	46	54	1	270	24	94	996	0.00

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Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
2/19/2024	00:15	27	36	17	42	34	41	45	1	296	24	94	996	0.00
	00:30	28	27	18	38	34	37	42	1	260	24	95	996	0.00
	00:45	18	17	12	24	22	32	34	1	249	24	94	996	0.00
	01:00	11	12	6	12	12	18	21	1	292	23	94	996	0.00
	01:15	9	9	5	9	9	12	13	1	277	23	94	996	0.00
	01:30	9	11	4	8	9	9	9	1	253	23	94	996	0.00
	01:45	10	12	5	11	11	8	9	1	228	23	94	996	0.00
	02:00	10	11	5	10	12	10	11	1	264	23	94	996	0.00
	02:15	9	11	5	9	11	10	12	1	249	23	95	996	0.00
	02:30	7	9	4	8	10	9	10	1	279	22	95	996	0.00
	02:45	7	9	3	7	9	8	9	1	262	22	96	996	0.00
	03:00	6	8	3	7	9	8	9	1	269	23	96	996	0.00
	03:15	6	8	3	6	7	6	8	1	238	23	95	996	0.00
	03:30	6	7	3	6	7	7	7	1	233	22	95	996	0.00
	03:45	6	7	3	6	6	6	7	1	269	22	95	996	0.00
	04:00	5	7	3	5	6	6	7	1	241	22	96	996	0.00
	04:15	5	7	3	6	6	6	6	1	247	22	95	996	0.00
	04:30	6	7	3	5	6	5	6	1	248	22	95	996	0.00
	04:45	5	7	2	6	6	6	6	1	282	21	95	996	0.00
	05:00	5	7	3	6	6	6	6	1	274	21	96	996	0.00
	05:15	5	7	2	6	6	5	6	1	266	21	96	997	0.00
	05:30	5	6	2	6	6	5	5	1	257	21	96	997	0.00
	05:45	5	7	2	5	5	5	5	1	240	22	96	997	0.00
	06:00	5	7	2	6	6	5	6	1	254	21	96	997	0.00
	06:15	6	7	2	5	6	5	6	1	255	21	96	997	0.00
	06:30	6	7	2	5	6	5	6	1	243	22	97	997	0.00
	06:45	6	7	3	5	6	6	6	1	247	22	94	997	0.00
	07:00	7	8	3	6	6	6	7	1	251	22	96	998	0.00
	07:15	7	8	3	6	7	7	7	1	247	22	94	998	0.00
	07:30	7	8	3	6	7	7	7	1	258	22	94	998	0.00
	07:45	4	8	3	7	7	6	7	1	261	23	94	998	0.00
	08:00	1	9	3	7	7	6	7	1	261	24	94	998	0.00
	08:15	15	21	2	5	6	6	6	1	237	26	93	998	0.00
	08:30	32	20	5	6	5	4	5	1	200	29	88	998	0.00
	08:45	0	9	3	4	6	6	7	2	187	33	76	998	0.00
	09:00	0	8	3	7	6	6	7	2	180	37	68	999	0.00
	09:15	0	8	3	6	6	6	7	3	189	40	60	999	0.00
	09:30	0	8	3	6	7	8	8	3	191	40	57	999	0.00
	09:45	0	7	3	6	6	8	8	3	186	42	55	999	0.00
	10:00	1	7	3	6	5	7	8	3	166	43	55	999	0.00
	10:15	0	7	2	6	5	7	7	3	160	44	53	999	0.00
	10:30	0	5	2	5	5	7	7	4	143	44	52	999	0.00
	10:45	0	6	2	5	4	6	6	4	170	45	50	999	0.00
	11:00	0	6	2	6	4	6	6	3	171	46	50	999	0.00
	11:15	0	7	2	5	4	6	6	3	197	46	50	999	0.00
	11:30	0	7	2	5	5	6	7	3	192	47	50	999	0.00
	11:45	0	8	3	4	5	7	7	3	181	48	49	999	0.00
	12:00	0	8	3	4	5	7	7	4	228	48	46	999	0.00
	12:15	0	8	3	4	5	7	8	4	230	49	43	999	0.00
	12:30	0	8	3	4	6	7	8	4	235	49	45	999	0.00
	12:45	0	9	3	5	6	8	9	4	223	49	41	998	0.00
	13:00	0	9	3	7	6	8	9	4	216	49	43	998	0.00
	13:15	0	8	3	6	6	8	8	4	215	50	43	998	0.00
	13:30	0	8	3	6	5	7	8	4	221	51	44	998	0.00
	13:45	0	9	3	7	6	8	9	3	214	52	44	998	0.00
	14:00	0	8	3	6	6	9	9	3	193	53	42	997	0.00
	14:15	0	9	3	6	6	8	9	4	228	52	40	997	0.00
	14:30	0	9	4	6	6	9	9	4	217	52	39	997	0.00
	14:45	0	10	4	6	6	9	10	4	226	53	38	997	0.00
	15:00	0	9	4	8	6	8	9	3	223	54	39	997	0.00
	15:15	0	10	3	7	6	8	9	4	217	54	40	997	0.00
	15:30	0	10	4	7	7	9	10	3	214	55	39	997	0.00
	15:45	1	10	4	9	7	10	10	4	224	54	38	997	0.00
	16:00	1	10	4	10	7	9	10	3	202	55	39	997	0.00
	16:15	0	9	4	8	8	10	10	4	224	54	39	997	0.00
	16:30	0	9	4	7	6	9	10	3	211	54	38	997	0.00
	16:45	0	9	4	7	6	8	9	2	204	54	39	997	0.00
	17:00	0	9	3	6	6	8	8	3	215	54	38	997	0.00
	17:15	0	8	4	6	6	8	8	3	212	53	42	997	0.00
	17:30	0	7	3	8	6	8	8	2	218	52	42	997	0.00
	17:45	0	8	3	6	5	7	7	1	188	50	46	997	0.00
	18:00	0	9	3	7	7	7	7	2	186	47	51	997	0.00
	18:15	0	8	4	9	7	7	7	3	175	46	54	997	0.00
	18:30	0	8	3	7	8	7	8	2	177	44	56	997	0.00
	18:45	0	9	3	7	8	8	8	3	176	43	56	997	0.00
	19:00	0	9	4	11	8	8	8	2	183	43	58	998	0.00
	19:15	0	8	4	6	6	7	7	3	200	42	61	998	0.00
	19:30	1	8	3	5	5	7	8	3	201	40	64	998	0.00
	19:45	0	8	4	6	6	7	8	2	189	39	63	998	0.00
	20:00	0	9	4	7	6	8	9	2	180	39	61	998	0.00
	20:15	1	9	4	9	9	8	9	2	180	38	63	998	0.00
	20:30	0	9	3	6	8	9	10	1	160	38	73	998	0.00
	20:45	2	10	4	7	8	8	9	1	166	37	69	998	0.00
	21:00	1	10	4	7	9	9	10	2	159	37	70	998	0.00
	21:15	1	9	4	8	8	9	10	2	206	35	69	998	0.00
	21:30	1	9	4	7	8	8	9	2	188	35	66	998	0.00
	21:45	1	9	4	9	8	9	9	2	175	35	70	998	0.00
	22:00	1	10	4	7	8	8	9	1	144	34	74	998	0.00
	22:15	2	11	4	9	8	8	9	1	154	34	74	998	0.00
	22:30	3	11	4	7	10	9	11	1	149	34	75	998	0.00
	22:45	2	12	4	8	10	10	11	2	157	35	74	999	0.00
	23:00	7	17	5	8	10	10	12	1	135	35	75	999	0.00
	23:15	13	21	9	17	15	12	15	1	111	35	78	999	0.00
	23:30	6	16	11	24	26	23	28	1	96	34	79	999	0.00
	23:45	3	13	8	16	16	17	19	1	110	33	81	999	0.00
	00:00	4	13	6	12	12	12	14	2	98	33	82	999	0.00

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

Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
	00:15	7	13	5	9	11	11	13	2	103	33	80	999	0.00
	00:30	7	12	5	10	11	10	12	2	109	33	80	999	0.00
	00:45	7	13	5	10	11	11	12	2	131	34	79	999	0.00
	01:00	8	13	5	11	11	10	13	2	128	34	78	999	0.00
	01:15	9	13	5	11	11	10	13	2	138	34	77	999	0.00
	01:30	8	13	5	10	11	10	12	2	153	34	79	999	0.00
	01:45	9	13	5	11	12	11	13	2	150	33	78	999	0.00
	02:00	10	14	5	12	12	11	13	2	130	33	80	999	0.00
	02:15	10	14	6	12	13	11	14	2	137	32	81	998	0.00
	02:30	9	15	6	12	13	11	14	2	143	32	82	998	0.00
	02:45	9	14	6	12	13	12	15	1	146	32	83	998	0.00
	03:00	10	14	6	12	13	12	15	1	89	31	86	998	0.00
	03:15	10	15	6	13	13	12	15	1	147	31	84	998	0.00
	03:30	9	15	6	13	14	13	15	1	190	30	85	998	0.00
	03:45	11	15	6	13	14	13	15	1	193	30	85	998	0.00
	04:00	11	15	6	13	14	12	15	2	114	30	85	998	0.00
	04:15	11	16	6	13	14	13	15	1	155	30	85	998	0.00
	04:30	11	16	6	14	13	13	15	1	189	30	84	998	0.00
	04:45	12	16	7	14	14	13	16	1	194	31	84	998	0.00
	05:00	12	16	7	14	14	13	16	1	201	30	85	998	0.00
	05:15	11	16	6	14	14	13	15	1	183	30	84	998	0.00
	05:30	11	16	6	13	14	13	16	2	173	31	84	999	0.00
	05:45	11	16	7	14	14	12	16	1	180	30	85	999	0.00
	06:00	12	16	7	15	14	13	15	2	190	31	81	999	0.00
	06:15	11	16	7	15	14	13	16	1	176	31	83	999	0.00
	06:30	12	16	7	14	14	13	16	1	207	29	85	999	0.00
	06:45	13	17	7	14	14	13	16	1	194	29	84	999	0.00
	07:00	13	18	7	15	15	14	16	2	169	30	84	999	0.00
	07:15	13	18	7	16	16	14	17	2	171	31	83	999	0.00
	07:30	16	19	7	16	16	14	18	2	172	31	82	999	0.00
	07:45	10	18	8	16	16	14	18	2	177	32	81	999	0.00
	08:00	16	17	8	16	17	15	18	2	179	34	77	999	0.00
	08:15	19	21	5	12	14	16	19	3	185	36	72	1000	0.00
	08:30	16	20	9	18	16	11	13	3	198	38	68	1000	0.00
	08:45	17	19	8	18	18	16	19	3	188	41	64	1000	0.00
	09:00	21	19	8	18	18	16	18	3	189	43	62	1000	0.00
	09:15	17	20	8	18	17	17	19	4	194	43	61	1001	0.00
	09:30	15	19	8	19	18	18	20	4	195	45	60	1000	0.00
	09:45	14	18	8	18	18	18	19	3	193	47	57	1000	0.00
	10:00	12	16	7	18	16	16	18	4	200	48	55	1000	0.00
	10:15	11	15	6	16	15	15	16	4	212	49	53	1000	0.00
	10:30	13	15	6	16	14	14	15	5	218	49	52	1000	0.00
	10:45	11	14	5	15	13	13	14	6	218	50	53	1001	0.00
	11:00	10	14	5	16	13	13	15	5	204	50	54	1001	0.00
	11:15	9	14	5	14	12	13	14	5	210	51	52	1001	0.00
	11:30	9	14	5	12	12	12	14	4	202	53	51	1001	0.00
	11:45	9	15	6	13	13	13	15	5	208	53	52	1000	0.00
2/20/2024	12:00	9	14	21	160	12	13	14	4	216	55	48	1000	0.00
	12:15	8	12	5	14	12	12	15	5	211	55	44	1000	0.00
	12:30	7	12	5	11	11	12	13	4	200	56	42	1000	0.00
	12:45	8	13	5	11	11	11	13	5	217	57	41	1000	0.00
	13:00	9	14	5	11	11	12	14	6	218	57	44	999	0.00
	13:15	9	14	5	12	12	13	15	6	223	57	43	999	0.00
	13:30	10	15	5	12	12	13	15	6	218	58	42	999	0.00
	13:45	12	18	6	13	13	14	16	5	212	59	41	999	0.00
	14:00	13	19	7	17	15	16	18	5	220	59	40	999	0.00
	14:15	13	19	8	17	16	17	19	5	221	59	41	998	0.00
	14:30	12	17	7	17	15	17	19	5	217	59	39	998	0.00
	14:45	11	16	7	16	15	15	17	5	216	60	40	998	0.00
	15:00	14	18	7	15	14	15	17	6	209	60	38	998	0.00
	15:15	29	18	7	15	13	15	17	5	223	60	41	998	0.00
	15:30	11	15	6	13	13	14	16	5	218	60	39	998	0.00
	15:45	10	15	6	13	13	14	16	5	221	60	40	998	0.00
	16:00	15	15	6	14	13	14	16	4	219	60	41	998	0.00
	16:15	12	16	6	16	12	14	16	4	223	60	39	998	0.00
	16:30	12	17	7	17	13	15	17	4	213	60	41	998	0.00
	16:45	13	17	7	17	15	16	18	4	231	59	43	998	0.00
	17:00	14	18	7	18	15	17	18	3	218	58	43	998	0.00
	17:15	14	18	8	18	16	17	19	3	218	58	43	998	0.00
	17:30	14	19	8	18	16	17	20	2	227	56	45	998	0.00
	17:45	14	19	8	22	17	17	19	2	215	55	47	998	0.00
	18:00	15	21	9	24	17	17	19	1	203	53	51	998	0.00
	18:15	16	21	10	27	17	17	19	1	201	52	53	998	0.00
	18:30	17	21	9	23	21	17	20	1	181	51	55	999	0.00
	18:45	18	23	10	25	20	18	20	1	204	50	56	999	0.00
	19:00	20	24	11	26	21	19	21	2	172	49	58	999	0.00
	19:15	18	23	10	28	21	20	22	2	181	48	59	999	0.00
	19:30	18	22	10	25	22	20	23	2	187	47	60	999	0.00
	19:45	17	21	10	22	20	19	21	3	187	47	59	999	0.00
	20:00	16	20	9	20	19	20	21	3	189	47	60	999	0.00
	20:15	16	20	9	19	20	18	21	3	184	46	61	999	0.00
	20:30	16	19	9	19	19	19	21	2	180	46	61	999	0.00
	20:45	15	19	8	20	19	17	20	2	189	45	63	999	0.00
	21:00	15	19	8	19	18	18	20	2	189	45	62	999	0.00
	21:15	14	18	8	17	18	18	19	3	181	44	62	999	0.00
	21:30	13	17	7	17	17	16	19	3	180	44	62	999	0.00
	21:45	13	17	7	15	16	16	18	3	187	44	62	999	0.00
	22:00	13	16	7	15	15	15	17	3	177	45	62	999	0.00
	22:15	12	16	7	15	15	15	17	3	172	44	63	998	0.00
	22:30	12	16	7	15	15	14	16	3	171	44	60	998	0.00
	22:45	12	16	7	14	14	14	16	3	176	45	60	998	0.00
	23:00	13	17	7	16	14	14	15	4	180	45	60	998	0.00
	23:15	14	18	7	15	15	13	15	4	175	45	61	998	0.00
	23:30	15	18	7	16	15	14	16	4	187	45	60	998	0.00
	23:45	16	20	8	17	16	15	17	4	178	46	60	998	0.00
	00:00	17	20	8	18	17	17	18	3	179	45	62	998	0.00

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

Appendix A: Preliminary Data Record — Real-time PM_{10} and Meteorological Measurements

Date	Timestamp	SAM 1	SAM 1.5	SAM 2	SAM 2.5	SAM 3	SAM 4	SAM 5	Meteorological Station					
		Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Average Concentration [µg/m³]	Wind Speed [mph]	Wind Direction [degrees]	Temperature (°F)	Relative Humidity (%)	Pressure (mb)	Rainfall (inches)
2/21/2024	00:15	19	21	9	18	19	17	19	3	173	43	67	998	0.00
	00:30	21	21	9	19	19	17	20	3	175	42	68	998	0.00
	00:45	19	22	9	20	19	18	20	3	180	42	68	998	0.00
	01:00	21	22	10	20	19	17	20	3	178	41	70	998	0.00
	01:15	20	22	10	20	20	17	20	3	177	41	70	997	0.00
	01:30	20	22	11	20	20	18	20	3	183	40	72	997	0.00
	01:45	21	24	10	24	21	18	21	3	181	41	70	997	0.00
	02:00	21	23	10	21	21	19	22	4	186	42	70	997	0.00
	02:15	21	23	10	22	21	19	23	4	194	43	68	997	0.00
	02:30	23	24	10	22	21	20	23	4	198	43	68	997	0.00
	02:45	21	25	11	23	21	21	24	3	196	43	68	997	0.00
	03:00	21	24	11	24	22	21	23	3	197	43	69	997	0.00
	03:15	23	24	10	24	22	20	23	3	188	42	71	997	0.00
	03:30	21	24	10	23	21	19	23	3	189	42	71	997	0.00
	03:45	21	24	10	23	21	20	23	4	191	42	71	997	0.00
	04:00	22	23	11	23	21	20	23	3	196	42	72	997	0.00
	04:15	21	23	10	23	21	20	23	3	202	42	72	996	0.00
	04:30	21	23	10	23	21	19	23	3	197	42	73	996	0.00
	04:45	21	23	10	23	21	19	23	3	191	42	75	996	0.00
	05:00	21	22	10	23	21	19	22	3	174	41	77	996	0.00
	05:15	21	24	10	22	21	18	22	3	172	40	81	996	0.00
	05:30	19	23	9	22	20	18	22	3	168	39	81	996	0.00
	05:45	21	23	10	22	20	19	22	3	168	39	82	996	0.00
	06:00	22	24	10	22	21	19	23	3	173	39	81	996	0.00
	06:15	22	24	10	23	22	20	23	3	175	40	82	996	0.00
	06:30	21	24	10	24	22	19	23	3	177	40	81	996	0.00
	06:45	22	23	10	22	21	20	23	3	182	40	82	996	0.00
	07:00	22	24	10	22	21	19	22	4	181	42	80	996	0.00
	07:15	20	23	10	22	22	19	23	4	182	43	78	995	0.00
	07:30	20	22	10	22	20	19	23	4	183	44	76	995	0.00
	07:45	10	16	8	22	19	17	21	4	181	44	76	995	0.00
	08:00	20	21	8	20	13	17	20	4	190	46	73	995	0.00
	08:15	13	23	10	15	26	12	11	4	188	47	71	996	0.00
	08:30	16	32	11	20	40	17	19	4	207	50	67	996	0.00
	08:45	15	23	10	21	18	17	19	5	216	51	65	996	0.00
	09:00	16	20	8	20	18	17	19	6	211	51	65	995	0.00
	09:15	11	19	9	16	18	17	19	6	214	52	64	995	0.00
	09:30	11	18	8	17	17	16	18	5	203	53	63	995	0.00
	09:45	9	17	7	17	16	15	16	5	202	55	62	995	0.00
	10:00	8	16	7	16	14	14	16	5	207	57	60	994	0.00
	10:15	6	13	6	13	12	12	13	5	205	58	56	994	0.00
	10:30	4	12	5	11	11	11	12	7	220	60	53	994	0.00
	10:45	4	11	5	11	10	10	11	6	221	61	52	994	0.00
	11:00	4	12	5	9	10	10	11	6	215	62	53	994	0.00
	11:15	2	11	4	9	10	10	10	6	209	63	50	994	0.00
	11:30	1	10	4	9	9	9	10	6	216	64	50	993	0.00
	11:45	2	10	4	9	9	10	10	6	218	65	49	993	0.00
	12:00	3	11	5	7	11	11	12	5	216	65	49	993	0.00
	12:15	3	12	5	8	11	11	12	5	220	66	49	992	0.00
	12:30	4	12	5	9	11	11	13	6	218	66	51	992	0.00
	12:45	5	24	6	9	12	13	13	6	217	66	51	992	0.00
	13:00	5	28	7	10	11	12	13	4	214	67	50	991	0.00
	13:15	5	32	8	12	13	12	14	5	202	67	50	991	0.00
	13:30	5	21	7	14	13	13	14	5	222	67	50	991	0.00
	13:45	5	22	11	13	11	13	14	5	213	68	50	991	0.00
	14:00	5	29	14	18	11	12	14	5	205	68	49	990	0.00
	14:15	5	42	12	19	11	12	13	5	204	69	48	990	0.00
	14:30	4	22	7	16	11	12	13	6	211	69	48	990	0.00
	14:45	4	44	8	11	11	12	13	5	217	69	49	990	0.00
	15:00	5	29	10	16	11	12	13	4	195	69	49	989	0.00
	15:15	6	18	7	14	11	13	14	3	198	70	48	989	0.00
	15:30	5	27	10	15	11	12	14	4	209	69	50	989	0.00
	15:45	6	29	10	21	12	14	15	4	207	68	52	989	0.00
	16:00	11	24	8	18	12	13	14	4	206	67	54	989	0.00
	16:15	6	15	6	13	12	13	14	3	198	67	56	988	0.00
	16:30	6	14	6	11	12	13	14	4	198	67	57	988	0.00
	16:45	6	14	6	12	13	13	14	3	210	66	59	988	0.00
	17:00	6	14	7	13	13	13	14	2	186	66	59	988	0.00
	17:15	6	14	6	15	13	13	14	2	184	66	61	988	0.00
	17:30	6	15	8	12	14	13	15	2	187	65	62	988	0.00
	17:45	8	15	7	18	14	14	16	2	187	64	63	988	0.00
	18:00	10	17	8	16	16	16	18	3	217	64	63	988	0.00
	18:15	11	19	9	17	18	18	18	3	198	64	62	987	0.00
	18:30	12	19	9	19	18	16	20	2	210	63	63	987	0.00
	18:45	11	19	9	18	17	17	18	2	186	62	66	988	0.00
	19:00	11	18	8	15	16	16	17	2	185	60	68	987	0.00
	19:15	12	18	9	17	16	15	17	2	176	59	71	987	0.00
	19:30	8	17	8	18	16	14	18	2	176	59	70	987	0.00
	19:45	10	17	8	15	16	15	17	1	194	59	70	987	0.00
	20:00	11	17	8	14	16	16	17	1	178	58	70	987	0.00
	20:15	11	18	8	15	16	15	17	1	190	58	69	987	0.00
	20:30	10	17	8	16	17	16	17	1	219	58	70	987	0.00
	20:45	12	20	9	14	16	16	18	2	225	58	69	987	0.00
	21:00	11	18	8	16	17	17	19	2	217	58	69	987	0.00
	21:15	13	19	9	16	18	16	20	1	203	58	69	987	0.00
	21:30	12	20	9	17	18	17	19	1	187	58	69	987	0.00
	21:45	12	19	8	15	17	18	19	1	208	58	70	987	0.00
	22:00	12	19	9	16	17	17	19	1	192	58	70	986	0.00
	22:15	10	18	9	16	18	16	19	1	162	58	71	986	0.00
	22:30	13	20	9	16	18	18	19	1	188	57	71	986	0.00
	22:45	11	20	10	17	18	16	21	1	215	57	70	986	0.00
	23:00	14	20	9	18	18	17	19	1	209	57	71	986	0.00
	23:15	12	21	10	17	19	18	20	1	195	56	73	986	0.00
	23:30	13	20	9	19	18	17	20	1	196	56	74	986	0.00
	23:45	12	19	9	16	18	17	20	1	209	56	75	986	0.00
	00:00	11	19	9	17	18	17	20	1	217	56	75	986	0.00

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APPENDIX B VOC & BENZENE DATA RECORDS

DRAFT

PID & GC Readings

Date: 10/5/2023	Technician Name: Joshua Richards	Site: Ameren Taylorville, IL

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

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

GC Bump Test (if GC is required)	
Tank Concentration (ppm)	10
Bump Test Concentration (ppm)	9.78

PID Readings					Drager GC (only if VOC ≥0.5 ppm)	
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	Benzene Concentration (ppm)	Comments (Describe odor, if detected)
SAM-1	0740	0.0	N	NA	NA	NA
IPML-A	0741	0.0	N	NA	NA	NA
SAM 1.5	0742	0.0	N	NA	NA	NA
IPML-B	0743	0.0	N	NA	NA	NA
SAM-2	0744	0.0	N	NA	NA	NA
SAM 2.5	0745	0.0	N	NA	NA	NA
IPML-C	0746	0.0	N	NA	NA	NA
IPML-D	0800	0.0	N	NA	NA	NA
SAM-3	0801	0.0	N	NA	NA	NA
IPML-E	0802	0.0	N	NA	NA	NA
IPML-F	0803	0.0	N	NA	NA	NA
SAM-4 & 5	0804	0.0	N	NA	NA	NA
IPML-G	0805	0.0	N	NA	NA	NA
IPML-H	0806	0.0	N	NA	NA	NA

Safety Observation/Suggestion:	

At the end of the day:

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

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

Preliminary

PID & GC Readings

Date: 10/5/2023	Technician Name: Joshua Richards	Site: Ameren Taylorville, IL

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

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

GC Bump Test (if GC is required)	
Tank Concentration (ppm)	10
Bump Test Concentration (ppm)	9.78

PID Readings					Drager GC (only if VOC ≥0.5 ppm)	
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	Benzene Concentration (ppm)	Comments (Describe odor, if detected)
SAM-1	0814	0.0	N	NA	NA	NA
IPML-A	0815	0.0	N	NA	NA	NA
SAM 1.5	0816	0.0	N	NA	NA	NA
IPML-B	0820	0.0	N	NA	NA	NA
SAM-2	0823	0.0	N	NA	NA	NA
SAM 2.5	0824	0.0	N	NA	NA	NA
IPML-C	0825	0.0	N	NA	NA	NA
IPML-D	0826	0.0	N	NA	NA	NA
SAM-3	0827	0.0	N	NA	NA	NA
IPML-E	0828	0.0	N	NA	NA	NA
IPML-F	0829	0.0	N	NA	NA	NA
SAM-4 & 5	0830	0.0	N	NA	NA	NA
IPML-G	0831	0.0	N	NA	NA	NA
IPML-H	0832	0.0	N	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.

Preliminary

PID & GC Readings

Date: 10/5/2023	Technician Name: Joshua Richards	Site: Ameren Taylorville, IL

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

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

GC Bump Test (if GC is required)	
Tank Concentration (ppm)	10
Bump Test Concentration (ppm)	9.78

PID Readings					Drager GC (only if VOC ≥0.5 ppm)	
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	Benzene Concentration (ppm)	Comments (Describe odor, if detected)
SAM-1	0848	0.0	N	NA	NA	NA
IPML-A	0849	0.0	N	NA	NA	NA
SAM 1.5	0850	0.0	N	NA	NA	NA
IPML-B	0851	0.0	N	NA	NA	NA
SAM-2	0852	0.0	N	NA	NA	NA
SAM 2.5	0853	0.0	N	NA	NA	NA
IPML-C	0854	0.0	N	NA	NA	NA
IPML-D	0855	0.0	N	NA	NA	NA
SAM-3	0856	0.0	N	NA	NA	NA
IPML-E	0907	0.0	N	NA	NA	NA
IPML-F	0909	0.0	N	NA	NA	NA
SAM-4 & 5	0913	0.0	N	NA	NA	NA
IPML-G	0927	0.0	N	NA	NA	NA
IPML-H	0928	0.0	N	NA	NA	NA

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PID & GC Readings

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

GC Bump Test (if GC is required)	
Tank Concentration (ppm)	10
Bump Test Concentration (ppm)	9.78

PID Readings					Drager GC (only if VOC ≥0.5 ppm)	
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	Benzene Concentration (ppm)	Comments (Describe odor, if detected)
SAM-1	1003	0.0	N	NA	NA	NA
IPML-A	1014	0.0	N	NA	NA	NA
SAM 1.5	1016	0.0	N	NA	NA	NA
IPML-B	1017	0.0	N	NA	NA	NA
SAM-2	1019	0.0	N	NA	NA	NA
SAM 2.5	1021	0.0	N	NA	NA	NA
IPML-C	1023	0.0	N	NA	NA	NA
IPML-D	1027	0.0	N	NA	NA	NA
SAM-3	1028	0.0	N	NA	NA	NA
IPML-E	1029	0.0	N	NA	NA	NA
IPML-F	1030	0.0	N	NA	NA	NA
SAM-4 & 5	1031	0.0	N	NA	NA	NA
IPML-G	1032	0.0	N	NA	NA	NA
IPML-H	1033	0.0	N	NA	NA	NA

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PID & GC Readings

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

GC Bump Test (if GC is required)	
Tank Concentration (ppm)	10
Bump Test Concentration (ppm)	9.78

PID Readings					Drager GC (only if VOC ≥0.5 ppm)	
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	Benzene Concentration (ppm)	Comments (Describe odor, if detected)
SAM-1	1102	0.0	N	NA	NA	NA
IPML-A	1103	0.0	N	NA	NA	NA
SAM 1.5	1105	0.0	N	NA	NA	NA
IPML-B	1106	0.0	N	NA	NA	NA
SAM-2	1107	0.0	N	NA	NA	NA
SAM 2.5	1108	0.0	N	NA	NA	NA
IPML-C	1109	0.0	N	NA	NA	NA
IPML-D	1110	0.0	N	NA	NA	NA
SAM-3	1112	0.0	N	NA	NA	NA
IPML-E	1113	0.0	N	NA	NA	NA
IPML-F	1114	0.0	N	NA	NA	NA
SAM-4 & 5	1115	0.0	N	NA	NA	NA
IPML-G	1116	0.0	N	NA	NA	NA
IPML-H	1117	0.0	N	NA	NA	NA

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PID & GC Readings

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

GC Bump Test (if GC is required)	
Tank Concentration (ppm)	10
Bump Test Concentration (ppm)	9.78

PID Readings					Drager GC (only if VOC ≥0.5 ppm)	
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	Benzene Concentration (ppm)	Comments (Describe odor, if detected)
SAM-1	1230	0.0	N	NA	NA	NA
IPML-A	1231	0.0	N	NA	NA	NA
SAM 1.5	1232	0.0	N	NA	NA	NA
IPML-B	1233	0.0	N	NA	NA	NA
SAM-2	1234	0.0	N	NA	NA	NA
SAM 2.5	1235	0.0	N	NA	NA	NA
IPML-C	1236	0.0	N	NA	NA	NA
IPML-D	1237	0.0	N	NA	NA	NA
SAM-3	1238	0.0	N	NA	NA	NA
IPML-E	1239	0.0	N	NA	NA	NA
IPML-F	1240	0.0	N	NA	NA	NA
SAM-4 & 5	1241	0.0	N	NA	NA	NA
IPML-G	1242	0.0	N	NA	NA	NA
IPML-H	1243	0.0	N	NA	NA	NA

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PID & GC Readings

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

GC Bump Test (if GC is required)	
Tank Concentration (ppm)	10
Bump Test Concentration (ppm)	9.78

PID Readings					Drager GC (only if VOC ≥0.5 ppm)	
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	Benzene Concentration (ppm)	Comments (Describe odor, if detected)
SAM-1	1340	0.0	N	NA	NA	NA
IPML-A	1341	0.0	N	NA	NA	NA
SAM 1.5	1342	0.0	N	NA	NA	NA
IPML-B	1343	0.0	N	NA	NA	NA
SAM-2	1344	0.0	N	NA	NA	NA
SAM 2.5	1345	0.0	N	NA	NA	NA
IPML-C	1346	0.0	N	NA	NA	NA
IPML-D	1347	0.0	N	NA	NA	NA
SAM-3	1348	0.0	N	NA	NA	NA
IPML-E	1349	0.0	N	NA	NA	NA
IPML-F	1350	0.0	N	NA	NA	NA
SAM-4 & 5	1351	0.0	N	NA	NA	NA
IPML-G	1352	0.0	N	NA	NA	NA
IPML-H	1353	0.0	N	NA	NA	NA

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PID & GC Readings

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

GC Bump Test (if GC is required)	
Tank Concentration (ppm)	10
Bump Test Concentration (ppm)	9.78

PID Readings					Drager GC (only if VOC ≥0.5 ppm)	
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	Benzene Concentration (ppm)	Comments (Describe odor, if detected)
SAM-1	1437	0.0	N	NA	NA	NA
IPML-A	1438	0.0	N	NA	NA	NA
SAM 1.5	1439	0.0	N	NA	NA	NA
IPML-B	1440	0.0	N	NA	NA	NA
SAM-2	1441	0.0	N	NA	NA	NA
SAM 2.5	1442	0.0	N	NA	NA	NA
IPML-C	1443	0.0	N	NA	NA	NA
IPML-D	1444	0.0	N	NA	NA	NA
SAM-3	1445	0.0	N	NA	NA	NA
IPML-E	1446	0.0	N	NA	NA	NA
IPML-F	1447	0.0	N	NA	NA	NA
SAM-4 & 5	1448	0.0	N	NA	NA	NA
IPML-G	1449	0.0	N	NA	NA	NA
IPML-H	1450	0.0	N	NA	NA	NA

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

GC Bump Test (if GC is required)	
Tank Concentration (ppm)	10
Bump Test Concentration (ppm)	9.78

PID Readings					Drager GC (only if VOC ≥0.5 ppm)	
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	Benzene Concentration (ppm)	Comments (Describe odor, if detected)
SAM-1	1537	0.0	N	NA	NA	NA
IPML-A	1538	0.0	N	NA	NA	NA
SAM 1.5	1539	0.0	N	NA	NA	NA
IPML-B	1540	0.0	Y	Hydrocarbon odor	NA	NA
SAM-2	1541	0.0	N	NA	NA	NA
SAM 2.5	1542	0.0	N	NA	NA	NA
IPML-C	1543	0.0	N	NA	NA	NA
IPML-D	1544	0.0	N	NA	NA	NA
SAM-3	1545	0.0	N	NA	NA	NA
IPML-E	1546	0.0	N	NA	NA	NA
IPML-F	1547	0.0	N	NA	NA	NA
SAM-4 & 5	1548	0.0	N	NA	NA	NA
IPML-G	1549	0.0	N	NA	NA	NA
IPML-H	1550	0.0	N	NA	NA	NA

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

GC Bump Test (if GC is required)	
Tank Concentration (ppm)	10
Bump Test Concentration (ppm)	9.78

PID Readings					Drager GC (only if VOC ≥0.5 ppm)	
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	Benzene Concentration (ppm)	Comments (Describe odor, if detected)
SAM-1	1600	0.0	N	NA	NA	NA
IPML-A	1601	0.0	N	NA	NA	NA
SAM 1.5	1602	0.0	N	NA	NA	NA
IPML-B	1603	0.0	Y	Hydrocarbon Odor	NA	NA
SAM-2	1604	0.0	N	NA	NA	NA
SAM 2.5	1605	0.0	N	NA	NA	NA
IPML-C	1606	0.0	N	NA	NA	NA
IPML-D	1607	0.0	N	NA	NA	NA
SAM-3	1608	0.0	N	NA	NA	NA
IPML-E	1609	0.0	N	NA	NA	NA
IPML-F	1610	0.0	N	NA	NA	NA
SAM-4 & 5	1611	0.0	N	NA	NA	NA
IPML-G	1612	0.0	N	NA	NA	NA
IPML-H	1613	0.0	N	NA	NA	NA

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

GC Bump Test (if GC is required)	
Tank Concentration (ppm)	10
Bump Test Concentration (ppm)	9.78

PID Readings					Drager GC (only if VOC ≥0.5 ppm)	
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	Benzene Concentration (ppm)	Comments (Describe odor, if detected)
SAM-1	0747	0.2	Y	Hydrocarbon Odor	NA	NA
IPML-A	0748	0.2	Y	Hydrocarbon Odor	NA	NA
SAM 1.5	0749	0.2	Y	Hydrocarbon Odor	NA	NA
IPML-B	0750	0.2	Y	Hydrocarbon Odor	NA	NA
SAM-2	0751	0.2	Y	Hydrocarbon Odor	NA	NA
SAM 2.5	0752	0.2	Y	Hydrocarbon Odor	NA	NA
IPML-C	0753	0.2	Y	Hydrocarbon Odor	NA	NA
IPML-D	0754	0.0	N	NA	NA	NA
SAM-3	0755	0.0	N	NA	NA	NA
IPML-E	0756	0.0	N	NA	NA	NA
IPML-F	0757	0.0	N	NA	NA	NA
SAM-4 & 5	0758	0.0	N	NA	NA	NA
IPML-G	0759	0.0	N	NA	NA	NA
IPML-H	0800	0.0	N	NA	NA	NA

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

GC Bump Test (if GC is required)	
Tank Concentration (ppm)	10
Bump Test Concentration (ppm)	9.78

PID Readings					Drager GC (only if VOC ≥0.5 ppm)	
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	Benzene Concentration (ppm)	Comments (Describe odor, if detected)
SAM-1	0837	0.0	N	NA	NA	NA
IPML-A	0838	0.0	N	NA	NA	NA
SAM 1.5	0839	0.2	Y	Hydrocarbon Odor	NA	NA
IPML-B	0840	0.2	Y	Hydrocarbon Odor	NA	NA
SAM-2	0841	0.7	Y	Hydrocarbon Odor	0.01	Hydrocarbon Odor
SAM 2.5	0848	0.6	Y	Hydrocarbon Odor	0.1	Hydrocarbon Odor
IPML-C	0849	0.5	Y	Hydrocarbon Odor	0.05	Hydrocarbon Odor
IPML-D	0850	0.1	Y	Hydrocarbon Odor	NA	NA
SAM-3	0851	0.0	N	NA	NA	NA
IPML-E	0852	0.0	N	NA	NA	NA
IPML-F	0853	0.0	N	NA	NA	NA
SAM-4 & 5	0854	0.0	N	NA	NA	NA
IPML-G	0855	0.0	N	NA	NA	NA
IPML-H	0856	0.0	N	NA	NA	NA

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

GC Bump Test (if GC is required)	
Tank Concentration (ppm)	10
Bump Test Concentration (ppm)	9.78

PID Readings					Drager GC (only if VOC ≥0.5 ppm)	
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	Benzene Concentration (ppm)	Comments (Describe odor, if detected)
SAM-1	0848	0.0	N	NA	NA	NA
IPML-A	0849	0.1	Y	Hydrocarbon Odor	NA	NA
SAM 1.5	0850	0.2	Y	Hydrocarbon Odor	NA	NA
IPML-B	0851	0.2	Y	Hydrocarbon Odor	NA	NA
SAM-2	0852	0.1	Y	Hydrocarbon Odor	NA	NA
SAM 2.5	0853	0.1	Y	Hydrocarbon Odor	NA	NA
IPML-C	0854	0.1	Y	Hydrocarbon Odor	NA	NA
IPML-D	0855	0.1	Y	Hydrocarbon Odor	NA	NA
SAM-3	0856	0.0	N	NA	NA	NA
IPML-E	0907	0.0	N	NA	NA	NA
IPML-F	0909	0.0	N	NA	NA	NA
SAM-4 & 5	0913	0.0	N	NA	NA	NA
IPML-G	0927	0.0	N	NA	NA	NA
IPML-H	0928	0.0	N	NA	NA	NA

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

GC Bump Test (if GC is required)	
Tank Concentration (ppm)	10
Bump Test Concentration (ppm)	9.78

PID Readings					Drager GC (only if VOC ≥0.5 ppm)	
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	Benzene Concentration (ppm)	Comments (Describe odor, if detected)
SAM-1	1025	0.0	Y	Hydrocarbon Odor	NA	NA
IPML-A	1026	0.0	N	NA	NA	NA
SAM 1.5	1027	0.0	N	NA	NA	NA
IPML-B	1028	0.0	N	NA	NA	NA
SAM-2	1029	0.2	Y	Hydrocarbon Odor	NA	NA
SAM 2.5	1030	0.2	Y	Hydrocarbon Odor	NA	NA
IPML-C	1031	0.2	Y	Hydrocarbon Odor	NA	NA
IPML-D	1032	0.0	N	NA	NA	NA
SAM-3	1033	0.0	N	NA	NA	NA
IPML-E	1034	0.0	N	NA	NA	NA
IPML-F	1035	0.0	N	NA	NA	NA
SAM-4 & 5	1036	0.0	N	NA	NA	NA
IPML-G	1037	0.0	N	NA	NA	NA
IPML-H	1038	0.0	N	NA	NA	NA

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/6/2023	Technician Name: Joshua Richards	Site: Ameren Taylorville, IL

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

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

GC Bump Test (if GC is required)	
Tank Concentration (ppm)	10
Bump Test Concentration (ppm)	9.78

PID Readings					Drager GC (only if VOC ≥0.5 ppm)	
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	Benzene Concentration (ppm)	Comments (Describe odor, if detected)
SAM-1	1104	0.0	Y	Hydrocarbon Odor	NA	NA
IPML-A	1105	0.0	Y	Hydrocarbon Odor	NA	NA
SAM 1.5	1106	0.0	Y	Hydrocarbon Odor	NA	NA
IPML-B	1107	0.0	Y	Hydrocarbon Odor	NA	NA
SAM-2	1108	0.2	Y	Hydrocarbon Odor	NA	NA
SAM 2.5	1109	0.2	Y	Hydrocarbon Odor	NA	NA
IPML-C	1110	0.2	Y	Hydrocarbon Odor	NA	NA
IPML-D	1111	0.1	Y	Hydrocarbon Odor	NA	NA
SAM-3	1112	0.0	N	NA	NA	NA
IPML-E	1113	0.0	N	NA	NA	NA
IPML-F	1114	0.0	N	NA	NA	NA
SAM-4 & 5	1115	0.0	N	NA	NA	NA
IPML-G	1116	0.0	N	NA	NA	NA
IPML-H	1117	0.0	N	NA	NA	NA

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Bump Test Concentration (ppm)	9.78

PID Readings					Drager GC (only if VOC ≥0.5 ppm)	
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	Benzene Concentration (ppm)	Comments (Describe odor, if detected)
SAM-1	1223	0.0	N	NA	NA	NA
IPML-A	1224	0.0	N	NA	NA	NA
SAM 1.5	1225	0.0	N	NA	NA	NA
IPML-B	1226	0.0	N	NA	NA	NA
SAM-2	1234	0.1	Y	Hydrocarbon Odor	NA	NA
SAM 2.5	1236	0.1	Y	Hydrocarbon Odor	NA	NA
IPML-C	1238	0.1	Y	Hydrocarbon Odor	NA	NA
IPML-D	1240	0.1	Y	Hydrocarbon Odor	NA	NA
SAM-3	1241	0.0	N	NA	NA	NA
IPML-E	1243	0.0	N	NA	NA	NA
IPML-F	1245	0.0	N	NA	NA	NA
SAM-4 & 5	1247	0.0	N	NA	NA	NA
IPML-G	1248	0.0	N	NA	NA	NA
IPML-H	1249	0.0	N	NA	NA	NA

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Tank Concentration (ppm)	10
Bump Test Concentration (ppm)	9.78

PID Readings					Drager GC (only if VOC ≥0.5 ppm)	
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	Benzene Concentration (ppm)	Comments (Describe odor, if detected)
SAM-1	1338	0.0	N	NA	NA	NA
IPML-A	1339	0.0	Y	Hydrocarbon Odor	NA	NA
SAM 1.5	1340	0.0	Y	Hydrocarbon Odor	NA	NA
IPML-B	1341	0.0	Y	Hydrocarbon Odor	NA	NA
SAM-2	1342	0.1	Y	Hydrocarbon Odor	NA	NA
SAM 2.5	1349	0.2	Y	Hydrocarbon Odor	NA	NA
IPML-C	1350	0.1	Y	Hydrocarbon Odor	NA	NA
IPML-D	1351	0.1	Y	Hydrocarbon Odor	NA	NA
SAM-3	1342	0.0	N	NA	NA	NA
IPML-E	1353	0.0	N	NA	NA	NA
IPML-F	1354	0.0	N	NA	NA	NA
SAM-4 & 5	1355	0.0	N	NA	NA	NA
IPML-G	1356	0.0	N	NA	NA	NA
IPML-H	1357	0.0	N	NA	NA	NA

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

GC Bump Test (if GC is required)	
Tank Concentration (ppm)	10
Bump Test Concentration (ppm)	9.78

PID Readings					Drager GC (only if VOC ≥0.5 ppm)	
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	Benzene Concentration (ppm)	Comments (Describe odor, if detected)
SAM-1	1401	0.0	N	NA	NA	NA
IPML-A	1402	0.0	N	NA	NA	NA
SAM 1.5	1403	0.0	N	NA	NA	NA
IPML-B	1404	0.0	N	NA	NA	NA
SAM-2	1405	0.1	Y	Hydrocarbon Odor	NA	NA
SAM 2.5	1406	0.1	Y	Hydrocarbon Odor	NA	NA
IPML-C	1407	0.1	Y	Hydrocarbon Odor	NA	NA
IPML-D	1408	0.0	N	NA	NA	NA
SAM-3	1409	0.0	N	NA	NA	NA
IPML-E	1410	0.0	N	NA	NA	NA
IPML-F	1411	0.0	N	NA	NA	NA
SAM-4 & 5	1412	0.0	N	NA	NA	NA
IPML-G	1413	0.0	N	NA	NA	NA
IPML-H	1414	0.0	N	NA	NA	NA

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

GC Bump Test (if GC is required)	
Tank Concentration (ppm)	10
Bump Test Concentration (ppm)	9.78

PID Readings					Drager GC (only if VOC ≥0.5 ppm)	
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	Benzene Concentration (ppm)	Comments (Describe odor, if detected)
SAM-1	1501	0.0	N	NA	NA	NA
IPML-A	1502	0.0	N	NA	NA	NA
SAM 1.5	1503	0.0	N	NA	NA	NA
IPML-B	1504	0.0	N	NA	NA	NA
SAM-2	1505	0.0	N	NA	NA	NA
SAM 2.5	1506	0.0	N	NA	NA	NA
IPML-C	1507	0.0	N	NA	NA	NA
IPML-D	1508	0.0	N	NA	NA	NA
SAM-3	1509	0.0	N	NA	NA	NA
IPML-E	1510	0.0	N	NA	NA	NA
IPML-F	1511	0.0	N	NA	NA	NA
SAM-4 & 5	1512	0.0	N	NA	NA	NA
IPML-G	1513	0.0	N	NA	NA	NA
IPML-H	1514	0.0	N	NA	NA	NA

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

GC Bump Test (if GC is required)	
Tank Concentration (ppm)	10
Bump Test Concentration (ppm)	9.8

PID Readings					Drager GC (only if VOC ≥0.5 ppm)	
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	Benzene Concentration (ppm)	Comments (Describe odor, if detected)
SAM-1	0820	0.0	Y	Hydrocarbon Odor	NA	NA
IPML-A	0821	0.0	N	NA	NA	NA
SAM 1.5	0822	0.0	Y	Hydrocarbon Odor	NA	NA
IPML-B	0823	0.0	Y	Hydrocarbon Odor	NA	NA
SAM-2	0824	0.0	Y	Hydrocarbon Odor	NA	NA
SAM 2.5	0825	0.0	Y	Hydrocarbon Odor	NA	NA
IPML-C	0826	0.0	Y	Hydrocarbon Odor	NA	NA
IPML-D	0827	0.0	Y	Hydrocarbon Odor	NA	NA
SAM-3	0828	0.0	N	NA	NA	NA
IPML-E	0829	0.0	N	NA	NA	NA
IPML-F	0830	0.0	N	NA	NA	NA
SAM-4 & 5	0831	0.0	N	NA	NA	NA
IPML-G	0832	0.0	N	NA	NA	NA
IPML-H	0833	0.0	N	NA	NA	NA

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

GC Bump Test (if GC is required)	
Tank Concentration (ppm)	10
Bump Test Concentration (ppm)	9.8

PID Readings					Drager GC (only if VOC ≥0.5 ppm)	
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	Benzene Concentration (ppm)	Comments (Describe odor, if detected)
SAM-1	0901	0.0	Y	Hydrocarbon Odor	NA	NA
IPML-A	0902	0.0	Y	Hydrocarbon Odor	NA	NA
SAM 1.5	0903	0.0	Y	Hydrocarbon Odor	NA	NA
IPML-B	0904	0.0	Y	Hydrocarbon Odor	NA	NA
SAM-2	0905	0.0	Y	Hydrocarbon Odor	NA	NA
SAM 2.5	0906	0.0	Y	Hydrocarbon Odor	NA	NA
IPML-C	0907	0.0	Y	Hydrocarbon Odor	NA	NA
IPML-D	0908	0.0	N	NA	NA	NA
SAM-3	0909	0.0	N	NA	NA	NA
IPML-E	0910	0.0	N	NA	NA	NA
IPML-F	0911	0.0	N	NA	NA	NA
SAM-4 & 5	0912	0.0	N	NA	NA	NA
IPML-G	0913	0.0	N	NA	NA	NA
IPML-H	0914	0.0	N	NA	NA	NA

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

GC Bump Test (if GC is required)	
Tank Concentration (ppm)	10
Bump Test Concentration (ppm)	9.8

PID Readings					Drager GC (only if VOC ≥0.5 ppm)	
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	Benzene Concentration (ppm)	Comments (Describe odor, if detected)
SAM-1	1032	0.0	Y	Hydrocarbon Odor	NA	NA
IPML-A	1033	0.0	Y	Hydrocarbon Odor	NA	NA
SAM 1.5	1034	0.0	Y	Hydrocarbon Odor	NA	NA
IPML-B	1035	0.0	Y	Hydrocarbon Odor	NA	NA
SAM-2	1036	0.0	Y	Hydrocarbon Odor	NA	NA
SAM 2.5	1037	0.0	Y	Hydrocarbon Odor	NA	NA
IPML-C	1038	0.0	Y	Hydrocarbon Odor	NA	NA
IPML-D	1039	0.0	Y	Hydrocarbon Odor	NA	NA
SAM-3	1047	0.0	N	NA	NA	NA
IPML-E	1048	0.0	N	NA	NA	NA
IPML-F	1049	0.0	N	NA	NA	NA
SAM-4 & 5	1050	0.0	N	NA	NA	NA
IPML-G	1051	0.0	N	NA	NA	NA
IPML-H	1052	0.0	N	NA	NA	NA

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Tank Concentration (ppm)	100
Bump Test Concentration (ppm)	100.1

GC Bump Test (if GC is required)	
Tank Concentration (ppm)	10
Bump Test Concentration (ppm)	9.8

PID Readings					Drager GC (only if VOC ≥0.5 ppm)	
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	Benzene Concentration (ppm)	Comments (Describe odor, if detected)
SAM-1	1126	0.0	Y	Hydrocarbon Odor	NA	NA
IPML-A	1127	0.0	Y	Hydrocarbon Odor	NA	NA
SAM 1.5	1128	0.0	Y	Hydrocarbon Odor	NA	NA
IPML-B	1129	0.0	N	NA	NA	NA
SAM-2	1130	0.0	N	NA	NA	NA
SAM 2.5	1131	0.0	Y	Hydrocarbon Odor	NA	NA
IPML-C	1132	0.0	Y	Hydrocarbon Odor	NA	NA
IPML-D	1133	0.0	N	NA	NA	NA
SAM-3	1134	0.0	N	NA	NA	NA
IPML-E	1135	0.0	N	NA	NA	NA
IPML-F	1136	0.0	N	NA	NA	NA
SAM-4 & 5	1138	0.0	N	NA	NA	NA
IPML-G	1139	0.0	N	NA	NA	NA
IPML-H	1140	0.0	N	NA	NA	NA

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Tank Concentration (ppm)	10
Bump Test Concentration (ppm)	9.8

PID Readings					Drager GC (only if VOC ≥0.5 ppm)	
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	Benzene Concentration (ppm)	Comments (Describe odor, if detected)
SAM-1	1230	0.0	N	NA	NA	NA
IPML-A	1231	0.0	Y	Hydrocarbon Odor	NA	NA
SAM 1.5	1232	0.0	Y	Hydrocarbon Odor	NA	NA
IPML-B	1233	0.0	Y	Hydrocarbon Odor	NA	NA
SAM-2	1234	0.0	Y	Hydrocarbon Odor	NA	NA
SAM 2.5	1235	0.0	Y	Hydrocarbon Odor	NA	NA
IPML-C	1236	0.0	N	NA	NA	NA
IPML-D	1247	0.0	N	NA	NA	NA
SAM-3	1248	0.0	N	NA	NA	NA
IPML-E	1249	0.0	N	NA	NA	NA
IPML-F	1250	0.0	N	NA	NA	NA
SAM-4 & 5	1251	0.0	N	NA	NA	NA
IPML-G	1252	0.0	N	NA	NA	NA
IPML-H	1253	0.0	N	NA	NA	NA

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Tank Concentration (ppm)	100
Bump Test Concentration (ppm)	100.1

GC Bump Test (if GC is required)	
Tank Concentration (ppm)	10
Bump Test Concentration (ppm)	9.8

PID Readings					Drager GC (only if VOC ≥0.5 ppm)	
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	Benzene Concentration (ppm)	Comments (Describe odor, if detected)
SAM-1	1314	0.0	N	NA	NA	NA
IPML-A	1315	0.0	N	NA	NA	NA
SAM 1.5	1316	0.0	N	NA	NA	NA
IPML-B	1317	0.0	N	NA	NA	NA
SAM-2	1318	0.0	N	NA	NA	NA
SAM 2.5	1319	0.0	N	NA	NA	NA
IPML-C	1320	0.0	N	NA	NA	NA
IPML-D	1321	0.0	N	NA	NA	NA
SAM-3	1322	0.0	N	NA	NA	NA
IPML-E	1323	0.0	N	NA	NA	NA
IPML-F	1324	0.0	N	NA	NA	NA
SAM-4 & 5	1325	0.0	N	NA	NA	NA
IPML-G	1326	0.0	N	NA	NA	NA
IPML-H	1327	0.0	N	NA	NA	NA

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Tank Concentration (ppm)	100
Bump Test Concentration (ppm)	100.1

GC Bump Test (if GC is required)	
Tank Concentration (ppm)	10
Bump Test Concentration (ppm)	9.8

PID Readings					Drager GC (only if VOC ≥0.5 ppm)	
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	Benzene Concentration (ppm)	Comments (Describe odor, if detected)
SAM-1	1420	0.0	N	NA	NA	NA
IPML-A	1421	0.0	N	NA	NA	NA
SAM 1.5	1422	0.0	N	NA	NA	NA
IPML-B	1423	0.0	N	NA	NA	NA
SAM-2	1424	0.0	N	NA	NA	NA
SAM 2.5	1425	0.0	N	NA	NA	NA
IPML-C	1426	0.0	N	NA	NA	NA
IPML-D	1427	0.0	N	NA	NA	NA
SAM-3	1428	0.0	N	NA	NA	NA
IPML-E	1429	0.0	N	NA	NA	NA
IPML-F	1430	0.0	N	NA	NA	NA
SAM-4 & 5	1431	0.0	N	NA	NA	NA
IPML-G	1432	0.0	N	NA	NA	NA
IPML-H	1433	0.0	N	NA	NA	NA

Safety Observation/Suggestion:	

At the end of the day:

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

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

Preliminary

PID & GC Readings

Date: 10/7/2023	Technician Name: Joshua Richards	Site: Ameren Taylorville, IL

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

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

GC Bump Test (if GC is required)	
Tank Concentration (ppm)	10
Bump Test Concentration (ppm)	9.8

PID Readings					Drager GC (only if VOC ≥0.5 ppm)	
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	Benzene Concentration (ppm)	Comments (Describe odor, if detected)
SAM-1	1522	0.0	N	NA	NA	NA
IPML-A	1524	0.0	N	NA	NA	NA
SAM 1.5	1526	0.0	N	NA	NA	NA
IPML-B	1528	0.0	N	NA	NA	NA
SAM-2	1531	0.0	N	NA	NA	NA
SAM 2.5	1535	0.0	N	NA	NA	NA
IPML-C	1537	0.0	N	NA	NA	NA
IPML-D	1539	0.0	N	NA	NA	NA
SAM-3	1542	0.0	N	NA	NA	NA
IPML-E	1544	0.0	N	NA	NA	NA
IPML-F	1545	0.0	N	NA	NA	NA
SAM-4 & 5	1548	0.0	N	NA	NA	NA
IPML-G	1554	0.0	N	NA	NA	NA
IPML-H	1555	0.0	N	NA	NA	NA

Safety Observation/Suggestion:	

At the end of the day:

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

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

Preliminary

PID & GC Readings

Date: 10/9/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.28
Calibration (ppm) (if functionality test fails)	NA

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)	
	PID Zero Air (0 ppm)	225	Notify Rolling Meadows Air Team if any tanks are below **50 psi.**
	PID Span (100 ppm Isobutylene)	75	
	Drager GC (10 ppm Isobutylene/Toluene)	400	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0730	0.1	N	N/A				
IPML-A	0732	0.1	N	N/A				
SAM1.5	0734	0.1	N	N/A				
IPML-B	0736	0.1	Y	Hydrocarbon Odor				
SAM-2	0738	0.0	Y	Hydrocarbon Odor				
SAM-2.5	0740	0.0	Y	Hydrocarbon Odor				
IPML-C	0742	0.0	N	N/A				
IPML-D	0744	0.1	N	N/A				
SAM-3	0746	0.1	N	N/A				
IPML-E	0748	0.1	N	N/A				
IPML-F	0750	0.1	N	N/A				
SAM-4/5	0752	0.1	N	N/A				
IPML-G	0754	0.0	N	N/A				
IPML-H	0756	0.0	N	N/A				

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/9/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.28
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0830	0.0	N	N/A				
IPML-A	0832	0.0	N	N/A				
SAM1.5	0834	0.0	Y	Hydrocarbon Odor				
IPML-B	0836	0.0	Y	Hydrocarbon Odor				
SAM-2	0838	0.0	Y	Hydrocarbon Odor				
SAM-2.5	0840	0.0	N	N/A				
IPML-C	0842	0.0	N	N/A				
IPML-D	0844	0.0	N	N/A				
SAM-3	0846	0.0	N	N/A				
IPML-E	0848	0.0	N	N/A				
IPML-F	0850	0.0	N	N/A				
SAM-4/5	0852	0.0	N	N/A				
IPML-G	0854	0.0	N	N/A				
IPML-H	0856	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/9/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.28
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0930	0.0	Y	Hydrocarbon Odor				
IPML-A	0945	0.0	N	N/A				
SAM1.5	0947	0.0	N	N/A				
IPML-B	0950	0.0	Y	Hydrocarbon Odor				
SAM-2	0952	0.0	Y	Hydrocarbon Odor				
SAM-2.5	0959	0.0	N	N/A				
IPML-C	1018	0.0	N	N/A				
IPML-D	1020	0.0	N	N/A				
SAM-3	1022	0.0	N	N/A				
IPML-E	1024	0.0	N	N/A				
IPML-F	1026	0.0	N	N/A				
SAM-4/5	1028	0.0	N	N/A				
IPML-G	1036	0.0	N	N/A				
IPML-H	1038	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/9/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.28
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1045	0.0	N	N/A				
IPML-A	1047	0.0	Y	Hydrocarbon Odor				
SAM1.5	1049	0.0	Y	Hydrocarbon Odor				
IPML-B	1051	0.0	Y	Hydrocarbon Odor				
SAM-2	1053	0.0	Y	Hydrocarbon Odor				
SAM-2.5	1055	0.0	N	N/A				
IPML-C	1057	0.0	N	N/A				
IPML-D	1059	0.0	N	N/A				
SAM-3	1101	0.0	N	N/A				
IPML-E	1103	0.0	N	N/A				
IPML-F	1105	0.0	N	N/A				
SAM-4/5	1107	0.0	N	N/A				
IPML-G	1109	0.0	N	N/A				
IPML-H	1111	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/9/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.28
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1130	0.0	N	N/A				
IPML-A	1132	0.0	Y	Odor Noted				
SAM1.5	1134	0.0	N	N/A				
IPML-B	1136	0.0	Y	Hydrocarbon Odor				
SAM-2	1138	0.0	N	N/A				
SAM-2.5	1140	0.0	N	N/A				
IPML-C	1142	0.0	N	N/A				
IPML-D	1144	0.0	N	N/A				
SAM-3	1146	0.0	N	N/A				
IPML-E	1148	0.0	Y	Hydrocarbon Odor				
IPML-F	1150	0.0	N	N/A				
SAM-4/5	1152	0.0	N	N/A				
IPML-G	1154	0.0	N	N/A				
IPML-H	1156	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/9/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.28
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1320	0.0	N	N/A				
IPML-A	1322	0.0	N	N/A				
SAM1.5	1324	0.0	N	N/A				
IPML-B	1326	0.0	N	N/A				
SAM-2	1328	0.0	N	N/A				
SAM-2.5	1330	0.0	N	N/A				
IPML-C	1332	0.0	N	N/A				
IPML-D	1334	0.0	N	N/A				
SAM-3	1336	0.0	N	N/A				
IPML-E	1338	0.0	N	N/A				
IPML-F	1340	0.0	N	N/A				
SAM-4/5	1342	0.0	N	N/A				
IPML-G	1344	0.0	N	N/A				
IPML-H	1346	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/9/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.28
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1445	0.0	N	N/A				
IPML-A	1447	0.0	N	N/A				
SAM1.5	1449	0.0	N	N/A				
IPML-B	1451	0.0	N	N/A				
SAM-2	1453	0.0	N	N/A				
SAM-2.5	1455	0.0	N	N/A				
IPML-C	1457	0.0	N	N/A				
IPML-D	1459	0.0	N	N/A				
SAM-3	1501	0.0	N	N/A				
IPML-E	1503	0.0	N	N/A				
IPML-F	1505	0.0	N	N/A				
SAM-4/5	1507	0.0	N	N/A				
IPML-G	1509	0.0	N	N/A				
IPML-H	1511	0.0	N	N/A				

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/9/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.28
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1515	0.0	N	N/A				
IPML-A	1517	0.0	N	N/A				
SAM1.5	1519	0.0	N	N/A				
IPML-B	1521	0.0	N	N/A				
SAM-2	1523	0.0	N	N/A				
SAM-2.5	1525	0.0	N	N/A				
IPML-C	1527	0.0	N	N/A				
IPML-D	1529	0.0	N	N/A				
SAM-3	1531	0.0	N	N/A				
IPML-E	1533	0.0	N	N/A				
IPML-F	1535	0.0	N	N/A				
SAM-4/5	1537	0.0	N	N/A				
IPML-G	1539	0.0	N	N/A				
IPML-H	1541	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/9/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.28
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1600	0.0	N	N/A				
IPML-A	1602	0.0	N	N/A				
SAM1.5	1604	0.0	N	N/A				
IPML-B	1606	0.0	N	N/A				
SAM-2	1608	0.0	N	N/A				
SAM-2.5	1610	0.0	N	N/A				
IPML-C	1612	0.0	N	N/A				
IPML-D	1614	0.0	N	N/A				
SAM-3	1616	0.0	N	N/A				
IPML-E	1618	0.0	N	N/A				
IPML-F	1620	0.0	N	N/A				
SAM-4/5	1622	0.0	N	N/A				
IPML-G	1624	0.0	N	N/A				
IPML-H	1626	0.0	N	N/A				

Additional Comments:	End of Day
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/9/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.28
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1								
IPML-A								
SAM1.5								
IPML-B								
SAM-2								
SAM-2.5								
IPML-C								
IPML-D								
SAM-3								
IPML-E								
IPML-F								
SAM-4/5								
IPML-G								
IPML-H								

Additional Comments:	NO READINGS TAKEN THIS HOUR.
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/10/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.78
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0830	0.0	N	N/A				
IPML-A	0832	0.0	Y	Hydrocarbon Odor				
SAM1.5	0834	0.0	Y	Hydrocarbon Odor				
IPML-B	0836	0.0	Y	Hydrocarbon Odor				
SAM-2	0838	0.0	Y	Hydrocarbon Odor				
SAM-2.5	0840	0.0	N	N/A				
IPML-C	0842	0.0	N	N/A				
IPML-D	0844	0.0	N	N/A				
SAM-3	0846	0.0	N	N/A				
IPML-E	0848	0.0	N	N/A				
IPML-F	0850	0.0	N	N/A				
SAM-4/5	0852	0.0	N	N/A				
IPML-G	0854	0.0	N	N/A				
IPML-H	0856	0.0	N	N/A				

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/10/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.78
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0930	0.0	N	N/A				
IPML-A	0932	0.0	Y	Hydrocarbon Odor				
SAM1.5	0934	0.0	Y	Hydrocarbon Odor				
IPML-B	0936	0.0	Y	Hydrocarbon Odor				
SAM-2	0938	0.0	Y	Hydrocarbon Odor				
SAM-2.5	0940	0.0	N	N/A				
IPML-C	0942	0.0	N	N/A				
IPML-D	0944	0.0	N	N/A				
SAM-3	0946	0.0	N	N/A				
IPML-E	0948	0.0	N	N/A				
IPML-F	0950	0.0	N	N/A				
SAM-4/5	0952	0.0	N	N/A				
IPML-G	0954	0.0	N	N/A				
IPML-H	0956	0.0	N	N/A				

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/10/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.78
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1015	0.0	N	N/A				
IPML-A	1017	0.0	Y	Hydrocarbon Odor				
SAM1.5	1019	0.0	Y	Hydrocarbon Odor				
IPML-B	1021	0.0	Y	Hydrocarbon Odor				
SAM-2	1023	0.0	Y	Hydrocarbon Odor				
SAM-2.5	1025	0.0	N	N/A				
IPML-C	1027	0.0	N	N/A				
IPML-D	1029	0.0	N	N/A				
SAM-3	1031	0.0	N	N/A				
IPML-E	1033	0.0	N	N/A				
IPML-F	1035	0.0	N	N/A				
SAM-4/5	1037	0.0	N	N/A				
IPML-G	1039	0.0	N	N/A				
IPML-H	1041	0.0	N	N/A				

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/10/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.78
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1100	0.0	N	N/A				
IPML-A	1102	0.0	Y	Hydrocarbon Odor				
SAM1.5	1104	0.0	Y	Hydrocarbon Odor				
IPML-B	1106	0.0	Y	Hydrocarbon Odor				
SAM-2	1108	0.0	Y	Hydrocarbon Odor				
SAM-2.5	1110	0.0	N	N/A				
IPML-C	1112	0.0	N	N/A				
IPML-D	1114	0.0	N	N/A				
SAM-3	1116	0.0	N	N/A				
IPML-E	1118	0.0	N	N/A				
IPML-F	1120	0.0	N	N/A				
SAM-4/5	1122	0.0	N	N/A				
IPML-G	1124	0.0	N	N/A				
IPML-H	1126	0.0	N	N/A				

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/10/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.78
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1200	0.0	N	N/A				
IPML-A	1202	0.0	Y	Hydrocarbon Odor				
SAM1.5	1204	0.0	Y	Hydrocarbon Odor				
IPML-B	1206	0.0	Y	Hydrocarbon Odor				
SAM-2	1208	0.0	Y	Hydrocarbon Odor				
SAM-2.5	1210	0.0	N	N/A				
IPML-C	1212	0.0	N	N/A				
IPML-D	1214	0.0	N	N/A				
SAM-3	1216	0.0	N	N/A				
IPML-E	1218	0.0	N	N/A				
IPML-F	1220	0.0	N	N/A				
SAM-4/5	1222	0.0	N	N/A				
IPML-G	1224	0.0	N	N/A				
IPML-H	1226	0.0	N	N/A				

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/10/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.78
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1300	0.0	N	N/A				
IPML-A	1302	0.0	Y	Hydrocarbon Odor				
SAM1.5	1304	0.0	Y	Hydrocarbon Odor				
IPML-B	1306	0.0	Y	Hydrocarbon Odor				
SAM-2	1308	0.0	Y	Hydrocarbon Odor				
SAM-2.5	1310	0.0	N	N/A				
IPML-C	1312	0.0	N	N/A				
IPML-D	1314	0.0	N	N/A				
SAM-3	1316	0.0	N	N/A				
IPML-E	1318	0.0	N	N/A				
IPML-F	1320	0.0	N	N/A				
SAM-4/5	1322	0.0	N	N/A				
IPML-G	1324	0.0	N	N/A				
IPML-H	1326	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 10/10/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.78
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1400	0.0	N	N/A				
IPML-A	1402	0.0	Y	Hydrocarbon Odor				
SAM1.5	1404	0.0	Y	Hydrocarbon Odor				
IPML-B	1406	0.0	Y	Hydrocarbon Odor				
SAM-2	1408	0.0	Y	Hydrocarbon Odor				
SAM-2.5	1410	0.0	N	N/A				
IPML-C	1412	0.0	N	N/A				
IPML-D	1414	0.0	N	N/A				
SAM-3	1416	0.0	N	N/A				
IPML-E	1418	0.0	N	N/A				
IPML-F	1420	0.0	N	N/A				
SAM-4/5	1422	0.0	N	N/A				
IPML-G	1424	0.0	N	N/A				
IPML-H	1426	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/10/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.78
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1430	0.0	N	N/A				
IPML-A	1432	0.0	Y	Hydrocarbon Odor				
SAM1.5	1434	0.0	Y	Hydrocarbon Odor				
IPML-B	1436	0.0	Y	Hydrocarbon Odor				
SAM-2	1438	0.0	Y	Hydrocarbon Odor				
SAM-2.5	1440	0.0	N	N/A				
IPML-C	1442	0.0	N	N/A				
IPML-D	1444	0.0	N	N/A				
SAM-3	1446	0.0	N	N/A				
IPML-E	1448	0.0	N	N/A				
IPML-F	1450	0.0	N	N/A				
SAM-4/5	1452	0.0	N	N/A				
IPML-G	1454	0.0	N	N/A				
IPML-H	1456	0.0	N	N/A				

Additional Comments:	END OF DAY
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 10/11/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.82
Calibration (ppm) (if functionality test fails)	NA

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)	
	PID Zero Air (0 ppm)	225	Notify Rolling Meadows Air Team if any tanks are below **50 psi.**
	PID Span (100 ppm Isobutylene)	75	
	Drager GC (10 ppm Isobutylene/Toluene)	400	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0720	0.0	N	N/A				
IPML-A	0722	0.0	N	N/A				
SAM1.5	0724	0.0	Y	Hydrocarbon Odor				
IPML-B	0726	0.0	Y	Hydrocarbon Odor				
SAM-2	0728	0.0	N	N/A				
SAM-2.5	0730	0.0	N	N/A				
IPML-C	0732	0.0	N	N/A				
IPML-D	0734	0.0	N	N/A				
SAM-3	0736	0.0	N	N/A				
IPML-E	0738	0.0	N	N/A				
IPML-F	0740	0.0	N	N/A				
SAM-4/5	0742	0.0	N	N/A				
IPML-G	0744	0.0	N	N/A				
IPML-H	0746	0.0	N	N/A				

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/11/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.82
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0810	0.0	N	N/A				
IPML-A	0812	0.0	N	N/A				
SAM1.5	0814	0.0	Y	Hydrocarbon Odor				
IPML-B	0816	0.0	Y	Hydrocarbon Odor				
SAM-2	0818	0.0	N	N/A				
SAM-2.5	0820	0.0	N	N/A				
IPML-C	0822	0.0	N	N/A				
IPML-D	0824	0.0	N	N/A				
SAM-3	0826	0.0	N	N/A				
IPML-E	0828	0.0	N	N/A				
IPML-F	0830	0.0	N	N/A				
SAM-4/5	0832	0.0	N	N/A				
IPML-G	0834	0.0	N	N/A				
IPML-H	0836	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.82
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0910	0.0	N	N/A				
IPML-A	0912	0.0	N	N/A				
SAM1.5	0914	0.0	Y	Hydrocarbon Odor				
IPML-B	0916	0.0	Y	Hydrocarbon Odor				
SAM-2	0918	0.0	N	N/A				
SAM-2.5	0920	0.0	N	N/A				
IPML-C	0922	0.0	N	N/A				
IPML-D	0924	0.0	N	N/A				
SAM-3	0926	0.0	N	N/A				
IPML-E	0928	0.0	N	N/A				
IPML-F	0930	0.0	N	N/A				
SAM-4/5	0932	0.0	N	N/A				
IPML-G	0934	0.0	N	N/A				
IPML-H	0936	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/11/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.82
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1000	0.0	N	N/A				
IPML-A	1002	0.0	N	N/A				
SAM1.5	1004	0.0	Y	Hydrocarbon Odor				
IPML-B	1006	0.0	Y	Hydrocarbon Odor				
SAM-2	1008	0.0	N	N/A				
SAM-2.5	1010	0.0	N	N/A				
IPML-C	1012	0.0	N	N/A				
IPML-D	1014	0.0	N	N/A				
SAM-3	1016	0.0	N	N/A				
IPML-E	1018	0.0	N	N/A				
IPML-F	1020	0.0	N	N/A				
SAM-4/5	1022	0.0	N	N/A				
IPML-G	1024	0.0	N	N/A				
IPML-H	1026	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 10/11/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.82
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1100	0.0	N	N/A				
IPML-A	1102	0.0	N	N/A				
SAM1.5	1104	0.0	Y	Hydrocarbon Odor				
IPML-B	1106	0.0	Y	Hydrocarbon Odor				
SAM-2	1108	0.0	N	N/A				
SAM-2.5	1110	0.0	N	N/A				
IPML-C	1112	0.0	N	N/A				
IPML-D	1114	0.0	N	N/A				
SAM-3	1116	0.0	N	N/A				
IPML-E	1118	0.0	N	N/A				
IPML-F	1120	0.0	N	N/A				
SAM-4/5	1122	0.0	N	N/A				
IPML-G	1124	0.0	N	N/A				
IPML-H	1126	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 10/11/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.82
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1200	0.0	N	N/A				
IPML-A	1202	0.0	N	N/A				
SAM1.5	1204	0.0	Y	Hydrocarbon Odor				
IPML-B	1206	0.0	Y	Hydrocarbon Odor				
SAM-2	1208	0.0	N	N/A				
SAM-2.5	1210	0.0	N	N/A				
IPML-C	1212	0.0	N	N/A				
IPML-D	1214	0.0	N	N/A				
SAM-3	1216	0.0	N	N/A				
IPML-E	1218	0.0	N	N/A				
IPML-F	1220	0.0	N	N/A				
SAM-4/5	1222	0.0	N	N/A				
IPML-G	1224	0.0	N	N/A				
IPML-H	1226	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 10/11/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.82
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1228	0.0	N	N/A				
IPML-A	1230	0.0	N	N/A				
SAM1.5	1232	0.0	Y	Hydrocarbon Odor				
IPML-B	1234	0.0	Y	Hydrocarbon Odor				
SAM-2	1236	0.0	N	N/A				
SAM-2.5	1238	0.0	N	N/A				
IPML-C	1240	0.0	N	N/A				
IPML-D	1242	0.0	N	N/A				
SAM-3	1244	0.0	N	N/A				
IPML-E	1246	0.0	N	N/A				
IPML-F	1248	0.0	N	N/A				
SAM-4/5	1250	0.0	N	N/A				
IPML-G	1252	0.0	N	N/A				
IPML-H	1254	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/11/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.82
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1430	0.0	N	N/A				
IPML-A	1432	0.0	N	N/A				
SAM1.5	1434	0.0	N	N/A				
IPML-B	1436	0.0	N	N/A				
SAM-2	1438	0.0	N	N/A				
SAM-2.5	1440	0.0	N	N/A				
IPML-C	1442	0.0	N	N/A				
IPML-D	1444	0.0	N	N/A				
SAM-3	1446	0.0	N	N/A				
IPML-E	1448	0.0	N	N/A				
IPML-F	1450	0.0	N	N/A				
SAM-4/5	1452	0.0	N	N/A				
IPML-G	1454	0.0	N	N/A				
IPML-H	1456	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/11/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.82
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1540	0.0	N	N/A				
IPML-A	1542	0.0	N	N/A				
SAM1.5	1544	0.0	N	N/A				
IPML-B	1546	0.0	N	N/A				
SAM-2	1548	0.0	N	N/A				
SAM-2.5	1550	0.0	N	N/A				
IPML-C	1552	0.0	N	N/A				
IPML-D	1554	0.0	N	N/A				
SAM-3	1556	0.0	N	N/A				
IPML-E	1558	0.0	N	N/A				
IPML-F	1600	0.0	N	N/A				
SAM-4/5	1602	0.0	N	N/A				
IPML-G	1604	0.0	N	N/A				
IPML-H	1606	0.0	N	N/A				

Additional Comments:	END OF THE DAY.
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 10/12/2023	Technician Name: Holly Young & Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	6.73 (failed)
Calibration (ppm) (if functionality test fails)	9.95

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0830	0.0	N	N/A				
IPML-A	0832	0.0	N	N/A				
SAM1.5	0834	0.0	Y	Hydrocarbon Odor				
IPML-B	0836	0.0	Y	Hydrocarbon Odor				
SAM-2	0838	0.0	Y	Hydrocarbon Odor				
SAM-2.5	0840	0.0	N	N/A				
IPML-C	0842	0.0	N	N/A				
IPML-D	0844	0.0	N	N/A				
SAM-3	0846	0.0	N	N/A				
IPML-E	0848	0.0	N	N/A				
IPML-F	0850	0.0	N	N/A				
SAM-4/5	0852	0.0	N	N/A				
IPML-G	0854	0.0	N	N/A				
IPML-H	0856	0.0	N	N/A				

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 10/12/2023	Technician Name: Holly Young & Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	6.73 (failed)
Calibration (ppm) (if functionality test fails)	9.95

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0940	0.0	N	N/A				
IPML-A	0942	0.0	N	N/A				
SAM1.5	0944	0.0	Y	Hydrocarbon Odor				
IPML-B	0946	0.0	Y	Hydrocarbon Odor				
SAM-2	0948	0.0	Y	Hydrocarbon Odor				
SAM-2.5	0950	0.0	N	N/A				
IPML-C	0952	0.0	N	N/A				
IPML-D	0954	0.0	N	N/A				
SAM-3	0956	0.0	N	N/A				
IPML-E	0958	0.0	N	N/A				
IPML-F	1000	0.0	N	N/A				
SAM-4/5	1002	0.0	N	N/A				
IPML-G	1004	0.0	N	N/A				
IPML-H	1006	0.0	N	N/A				

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/12/2023	Technician Name: Holly Young & Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	6.73 (failed)
Calibration (ppm) (if functionality test fails)	9.95

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1030	0.0	N	N/A				
IPML-A	1032	0.0	N	N/A				
SAM1.5	1034	0.0	N	N/A				
IPML-B	1036	0.0	Y	Hydrocarbon Odor				
SAM-2	1038	0.0	N	N/A				
SAM-2.5	1040	0.0	N	N/A				
IPML-C	1042	0.0	Y	Hydrocarbon Odor				
IPML-D	1044	0.0	N	N/A				
SAM-3	1046	0.0	N	N/A				
IPML-E	1048	0.0	N	N/A				
IPML-F	1050	0.0	Y	Hydrocarbon Odor				
SAM-4/5	1052	0.0	N	N/A				
IPML-G	1054	0.0	N	N/A				
IPML-H	1056	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 10/12/2023	Technician Name: Holly Young & Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	6.73 (failed)
Calibration (ppm) (if functionality test fails)	9.95

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1								
IPML-A								
SAM1.5								
IPML-B								
SAM-2								
SAM-2.5								
IPML-C								
IPML-D								
SAM-3								
IPML-E								
IPML-F								
SAM-4/5								
IPML-G								
IPML-H								

Additional Comments:	NO READINGS TAKEN DURING THIS HOUR. MARSHALL TRAINED HOLLY ON CALIBRATING E-SAMPLERS.
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/12/2023	Technician Name: Holly Young & Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	6.73 (failed)
Calibration (ppm) (if functionality test fails)	9.95

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1210	0.0	N	N/A				
IPML-A	1212	0.0	N	N/A				
SAM1.5	1214	0.0	Y	Hydrocarbon Odor				
IPML-B	1216	0.0	Y	Hydrocarbon Odor				
SAM-2	1218	0.0	Y	Hydrocarbon Odor				
SAM-2.5	1220	0.0	Y	Hydrocarbon Odor				
IPML-C	1222	0.0	Y	Hydrocarbon Odor				
IPML-D	1224	0.0	Y	Hydrocarbon Odor				
SAM-3	1226	0.0	N	N/A				
IPML-E	1228	0.0	Y	Hydrocarbon Odor				
IPML-F	1230	0.0	Y	Hydrocarbon Odor				
SAM-4/5	1232	0.0	N	N/A				
IPML-G	1234	0.0	N	N/A				
IPML-H	1236	0.0	N	N/A				

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/12/2023	Technician Name: Holly Young & Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	6.73 (failed)
Calibration (ppm) (if functionality test fails)	9.95

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1310	0.0	N	N/A				
IPML-A	1312	0.0	N	N/A				
SAM1.5	1314	0.0	N	N/A				
IPML-B	1316	0.0	N	N/A				
SAM-2	1318	0.0	N	N/A				
SAM-2.5	1320	0.0	N	N/A				
IPML-C	1322	0.0	Y	Hydrocarbon Odor				
IPML-D	1324	0.0	N	N/A				
SAM-3	1326	0.0	N	N/A				
IPML-E	1328	0.0	N	N/A				
IPML-F	1330	0.0	N	N/A				
SAM-4/5	1332	0.0	N	N/A				
IPML-G	1334	0.0	N	N/A				
IPML-H	1336	0.0	N	N/A				

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/12/2023	Technician Name: Holly Young & Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	6.73 (failed)
Calibration (ppm) (if functionality test fails)	9.95

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1418	0.0	N	N/A				
IPML-A	1427	0.0	N	N/A				
SAM1.5	1429	0.0	N	N/A				
IPML-B	1441	0.0	N	N/A				
SAM-2	1443	0.0	Y	Hydrocarbon Odor				
SAM-2.5	1449	0.0	N	N/A				
IPML-C	1457	0.0	Y	Hydrocarbon Odor				
IPML-D	1459	0.0	Y	Hydrocarbon Odor				
SAM-3	1501	0.0	N	N/A				
IPML-E	1511	0.0	N	N/A				
IPML-F	1513	0.0	N	N/A				
SAM-4/5	1515	0.0	N	N/A				
IPML-G	1527	0.0	N	N/A				
IPML-H	1529	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 10/12/2023	Technician Name: Holly Young & Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	6.73 (failed)
Calibration (ppm) (if functionality test fails)	9.95

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1530	0.0	N	N/A				
IPML-A	1532	0.0	N	N/A				
SAM1.5	1534	0.0	Y	Hydrocarbon Odor				
IPML-B	1536	0.0	N	N/A				
SAM-2	1538	0.0	N	N/A				
SAM-2.5	1540	0.0	Y	Hydrocarbon Odor				
IPML-C	1542	0.0	Y	Hydrocarbon Odor				
IPML-D	1544	0.0	Y	Hydrocarbon Odor				
SAM-3	1546	0.0	N	N/A				
IPML-E	1548	0.0	N	N/A				
IPML-F	1550	0.0	N	N/A				
SAM-4/5	1552	0.0	N	N/A				
IPML-G	1554	0.0	N	N/A				
IPML-H	1556	0.0	N	N/A				

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/13/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	6.77 (failed)
Calibration (ppm) (if functionality test fails)	NA

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)	
	PID Zero Air (0 ppm)	200	Notify Rolling Meadows Air Team if any tanks are below **50 psi.**
	PID Span (100 ppm Isobutylene)	50	
	Drager GC (10 ppm Isobutylene/Toluene)	350	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0745	0.0	N	N/A				
IPML-A	0747	0.0	N	N/A				
SAM1.5	0749	0.0	Y	Hydrocarbon Odor				
IPML-B	0751	0.0	Y	Hydrocarbon Odor				
SAM-2	0753	0.0	Y	Hydrocarbon Odor				
SAM-2.5	0755	0.0	N	N/A				
IPML-C	0757	0.0	Y	Hydrocarbon Odor				
IPML-D	0759	0.0	Y	Hydrocarbon Odor				
SAM-3	0801	0.0	N	N/A				
IPML-E	0803	0.0	N	N/A				
IPML-F	0805	0.0	N	N/A				
SAM-4/5	0807	0.0	N	N/A				
IPML-G	0809	0.0	N	N/A				
IPML-H	0811	0.0	N	N/A				

Additional Comments:	DID NOT PREFORM CALIBRATION OF GC DRAGER AFTER FUNCTIONALITY TEST FAILED. GC DRAGER CONTINUED TO GIVE "INSUFFICIENT SUCTION" ERROR MESSAGE. FIELD TECHNICIAN CONTINUED TO TROUBLESHOOT MANTENIENCE METHODS WITH BRIAN O'SHEA. BRIAN O'SHEA ORDERED REPLACEMENT GC DRAGER TO BE DELIVERED ON 10/14.
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/13/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	6.77 (failed)
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0834	0.0	N	N/A				
IPML-A	0837	0.0	N	N/A				
SAM1.5	0839	0.0	N	N/A				
IPML-B	0843	0.0	Y	Hydrocarbon Odor				
SAM-2	0845	0.0	Y	Hydrocarbon Odor				
SAM-2.5	0849	0.0	N	N/A				
IPML-C	0850	0.0	Y	Hydrocarbon Odor				
IPML-D	0852	0.0	Y	Hydrocarbon Odor				
SAM-3	0853	0.0	N	N/A				
IPML-E	0859	0.0	N	N/A				
IPML-F	0901	0.0	N	N/A				
SAM-4/5	0903	0.0	N	N/A				
IPML-G	0907	0.0	N	N/A				
IPML-H	0909	0.0	N	N/A				

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/13/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	6.77 (failed)
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0920	0.0	N	N/A				
IPML-A	0922	0.0	Y	Hydrocarbon Odor				
SAM1.5	0924	0.0	Y	Hydrocarbon Odor				
IPML-B	0926	0.0	Y	Hydrocarbon Odor				
SAM-2	0928	0.0	Y	Hydrocarbon Odor				
SAM-2.5	0930	0.0	N	N/A				
IPML-C	0932	0.0	Y	Hydrocarbon Odor				
IPML-D	0934	0.0	Y	Hydrocarbon Odor				
SAM-3	0936	0.0	N	N/A				
IPML-E	0938	0.0	Y	Hydrocarbon Odor				
IPML-F	0940	0.0	Y	Hydrocarbon Odor				
SAM-4/5	0942	0.0	N	N/A				
IPML-G	0944	0.0	N	N/A				
IPML-H	0946	0.0	N	N/A				

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/13/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	6.77 (failed)
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1000	0.0	N	N/A				
IPML-A	1002	0.0	Y	Hydrocarbon Odor				
SAM1.5	1004	0.0	Y	Hydrocarbon Odor				
IPML-B	1006	0.0	Y	Hydrocarbon Odor				
SAM-2	1008	0.0	Y	Hydrocarbon Odor				
SAM-2.5	1010	0.0	N	N/A				
IPML-C	1012	0.0	Y	Hydrocarbon Odor				
IPML-D	1014	0.0	Y	Hydrocarbon Odor				
SAM-3	1016	0.0	N	N/A				
IPML-E	1018	0.0	Y	Hydrocarbon Odor				
IPML-F	1020	0.0	Y	Hydrocarbon Odor				
SAM-4/5	1022	0.0	N	N/A				
IPML-G	1024	0.0	N	N/A				
IPML-H	1026	0.0	N	N/A				

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/13/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	6.77 (failed)
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1100	0.0	N	N/A				
IPML-A	1102	0.0	Y	Hydrocarbon Odor				
SAM1.5	1104	0.0	Y	Hydrocarbon Odor				
IPML-B	1106	0.0	Y	Hydrocarbon Odor				
SAM-2	1108	0.0	Y	Hydrocarbon Odor				
SAM-2.5	1110	0.0	N	N/A				
IPML-C	1112	0.0	Y	Hydrocarbon Odor				
IPML-D	1114	0.0	Y	Hydrocarbon Odor				
SAM-3	1116	0.0	N	N/A				
IPML-E	1118	0.0	Y	Hydrocarbon Odor				
IPML-F	1120	0.0	Y	Hydrocarbon Odor				
SAM-4/5	1122	0.0	N	N/A				
IPML-G	1124	0.0	N	N/A				
IPML-H	1126	0.0	N	N/A				

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/13/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	6.77 (failed)
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1200	0.0	N	N/A				
IPML-A	1202	0.0	Y	Hydrocarbon Odor				
SAM1.5	1204	0.0	Y	Hydrocarbon Odor				
IPML-B	1206	0.0	Y	Hydrocarbon Odor				
SAM-2	1208	0.0	Y	Hydrocarbon Odor				
SAM-2.5	1210	0.0	N	N/A				
IPML-C	1212	0.0	Y	Hydrocarbon Odor				
IPML-D	1214	0.0	Y	Hydrocarbon Odor				
SAM-3	1216	0.0	N	N/A				
IPML-E	1218	0.0	Y	Hydrocarbon Odor				
IPML-F	1220	0.0	Y	Hydrocarbon Odor				
SAM-4/5	1222	0.0	N	N/A				
IPML-G	1224	0.0	N	N/A				
IPML-H	1226	0.0	N	N/A				

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 10/13/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	6.77 (failed)
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1300	0.0	N	N/A				
IPML-A	1302	0.0	Y	Hydrocarbon Odor				
SAM1.5	1304	0.0	Y	Hydrocarbon Odor				
IPML-B	1306	0.0	Y	Hydrocarbon Odor				
SAM-2	1308	0.0	Y	Hydrocarbon Odor				
SAM-2.5	1310	0.0	N	N/A				
IPML-C	1312	0.0	Y	Hydrocarbon Odor				
IPML-D	1314	0.0	Y	Hydrocarbon Odor				
SAM-3	1316	0.0	N	N/A				
IPML-E	1318	0.0	Y	Hydrocarbon Odor				
IPML-F	1320	0.0	Y	Hydrocarbon Odor				
SAM-4/5								
IPML-G								
IPML-H								

Additional Comments:	PAUSED HOURLY PID READINGS FOR LIGHTNING STAND-DOWN.
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/13/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	6.77 (failed)
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1420	0.0	N	N/A				
IPML-A	1422	0.0	Y	Hydrocarbon Odor				
SAM1.5	1424	0.0	Y	Hydrocarbon Odor				
IPML-B	1426	0.0	N	N/A				
SAM-2	1428	0.0	Y	Hydrocarbon Odor				
SAM-2.5	1430	0.0	N	N/A				
IPML-C	1432	0.0	Y	Hydrocarbon Odor				
IPML-D	1434	0.0	Y	Hydrocarbon Odor				
SAM-3	1436	0.0	N	N/A				
IPML-E	1438	0.0	Y	Hydrocarbon Odor				
IPML-F	1440	0.0	Y	Hydrocarbon Odor				
SAM-4/5	1442	0.0	N	N/A				
IPML-G	1444	0.0	N	N/A				
IPML-H	1446	0.0	N	N/A				

Additional Comments:	ANOTHER LIGHTNING STAND-DOWN INITIATED AT 1450. END OF THE DAY.
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/14/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	NA
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0940	0.0	N	N/A				
IPML-A	0941	0.0	N	N/A				
SAM1.5	0943	0.0	N	N/A				
IPML-B	0947	0.0	Y	Hydrocarbon Odor				
SAM-2	0949	0.0	Y	Hydrocarbon Odor				
SAM-2.5	0951	0.0	Y	Hydrocarbon Odor				
IPML-C	0952	0.0	Y	Hydrocarbon Odor				
IPML-D	0954	0.0	Y	Hydrocarbon Odor				
SAM-3	0916	0.0	Y	Hydrocarbon Odor				
IPML-E	0917	0.0	N	N/A				
IPML-F	0919	0.0	N	N/A				
SAM-4/5	0924	0.0	N	N/A				
IPML-G	0936	0.0	N	N/A				
IPML-H	0938	0.0	N	N/A				

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/14/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	NA
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1000	0.0	N	N/A				
IPML-A	1002	0.0	N	N/A				
SAM1.5	1004	0.0	N	N/A				
IPML-B	1006	0.0	Y	Hydrocarbon Odor				
SAM-2	1008	0.0	Y	Hydrocarbon Odor				
SAM-2.5	1010	0.0	N	N/A				
IPML-C	1012	0.0	Y	Hydrocarbon Odor				
IPML-D	1014	0.0	Y	Hydrocarbon Odor				
SAM-3	1016	0.0	Y	Hydrocarbon Odor				
IPML-E	1018	0.0	N	N/A				
IPML-F	1020	0.0	N	N/A				
SAM-4/5	1022	0.0	N	N/A				
IPML-G	1024	0.0	N	N/A				
IPML-H	1026	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/14/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	NA
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1100	0.0	N	N/A				
IPML-A	1102	0.0	N	N/A				
SAM1.5	1104	0.0	N	N/A				
IPML-B	1106	0.0	Y	Hydrocarbon Odor				
SAM-2	1108	0.0	Y	Hydrocarbon Odor				
SAM-2.5	1110	0.0	N	N/A				
IPML-C	1112	0.0	Y	Hydrocarbon Odor				
IPML-D	1114	0.0	Y	Hydrocarbon Odor				
SAM-3	1116	0.0	Y	Hydrocarbon Odor				
IPML-E	1118	0.0	N	N/A				
IPML-F	1120	0.0	N	N/A				
SAM-4/5	1122	0.0	N	N/A				
IPML-G	1124	0.0	N	N/A				
IPML-H	1126	0.0	N	N/A				

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/14/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	NA
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1200	0.0	N	N/A				
IPML-A	1202	0.0	N	N/A				
SAM1.5	1204	0.0	N	N/A				
IPML-B	1206	0.0	N	N/A				
SAM-2	1208	0.0	Y	Hydrocarbon Odor				
SAM-2.5	1210	0.0	Y	Hydrocarbon Odor				
IPML-C	1212	0.0	Y	Hydrocarbon Odor				
IPML-D	1214	0.0	Y	Hydrocarbon Odor				
SAM-3	1216	0.0	N	N/A				
IPML-E	1218	0.0	N	N/A				
IPML-F	1220	0.0	N	N/A				
SAM-4/5	1222	0.0	N	N/A				
IPML-G	1224	0.0	N	N/A				
IPML-H	1226	0.0	N	N/A				

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/14/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	NA
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1306	0.0	N	N/A				
IPML-A	1310	0.0	N	N/A				
SAM1.5	1312	0.0	N	N/A				
IPML-B	1317	0.0	Y	Hydrocarbon Odor				
SAM-2	1319	0.0	Y	Hydrocarbon Odor				
SAM-2.5	1324	0.0	N	N/A				
IPML-C	1328	0.0	Y	Hydrocarbon Odor				
IPML-D	1330	0.0	Y	Hydrocarbon Odor				
SAM-3	1332	0.0	Y	Hydrocarbon Odor				
IPML-E	1337	0.0	N	N/A				
IPML-F	1339	0.0	N	N/A				
SAM-4/5	1341	0.0	N	N/A				
IPML-G	1345	0.0	N	N/A				
IPML-H	1347	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/14/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	NA
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1400	0.0	N	N/A				
IPML-A	1402	0.0	N	N/A				
SAM1.5	1404	0.0	N	N/A				
IPML-B	1406	0.0	Y	Hydrocarbon Odor				
SAM-2	1408	0.0	Y	Hydrocarbon Odor				
SAM-2.5	1410	0.0	N	N/A				
IPML-C	1412	0.0	Y	Hydrocarbon Odor				
IPML-D	1414	0.0	Y	Hydrocarbon Odor				
SAM-3	1416	0.0	Y	Hydrocarbon Odor				
IPML-E	1418	0.0	N	N/A				
IPML-F	1420	0.0	N	N/A				
SAM-4/5	1422	0.0	N	N/A				
IPML-G	1424	0.0	N	N/A				
IPML-H	1426	0.0	N	N/A				

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/14/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	NA
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1500	0.0	N	N/A				
IPML-A	1502	0.0	N	N/A				
SAM1.5	1504	0.0	N	N/A				
IPML-B	1506	0.0	Y	Hydrocarbon Odor				
SAM-2	1508	0.0	Y	Hydrocarbon Odor				
SAM-2.5	1510	0.0	N	N/A				
IPML-C	1512	0.0	Y	Hydrocarbon Odor				
IPML-D	1514	0.0	Y	Hydrocarbon Odor				
SAM-3	1516	0.0	Y	Hydrocarbon Odor				
IPML-E	1518	0.0	N	N/A				
IPML-F	1520	0.0	N	N/A				
SAM-4/5	1522	0.0	N	N/A				
IPML-G	1524	0.0	N	N/A				
IPML-H	1526	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/14/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	NA
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1530	0.0	N	N/A				
IPML-A	1532	0.0	N	N/A				
SAM1.5	1534	0.0	N	N/A				
IPML-B	1536	0.0	Y	Hydrocarbon Odor				
SAM-2	1538	0.0	Y	Hydrocarbon Odor				
SAM-2.5	1540	0.0	N	N/A				
IPML-C	1542	0.0	Y	Hydrocarbon Odor				
IPML-D	1544	0.0	Y	Hydrocarbon Odor				
SAM-3	1546	0.0	Y	Hydrocarbon Odor				
IPML-E	1548	0.0	N	N/A				
IPML-F	1550	0.0	N	N/A				
SAM-4/5	1552	0.0	N	N/A				
IPML-G	1554	0.0	N	N/A				
IPML-H	1556	0.0	N	N/A				

Additional Comments:	END OF THE DAY.
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/16/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.0/9.93
Calibration (ppm) (if functionality test fails)	12.1/8.01

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0807	0.0	N	N/A				
IPML-A	0810	0.0	N	N/A				
SAM1.5	0814	0.0	N	N/A				
IPML-B	0816	0.0	Y	Hydrocarbon Odor				
SAM-2	0818	0.0	Y	Hydrocarbon Odor				
SAM-2.5	0820	0.0	N	N/A				
IPML-C	0822	0.0	N	N/A				
IPML-D	0824	0.0	N	N/A				
SAM-3	0826	0.0	N	N/A				
IPML-E	0828	0.0	N	N/A				
IPML-F	0831	0.0	N	N/A				
SAM-4/5	0833	0.0	N	N/A				
IPML-G	0835	0.0	N	N/A				
IPML-H	0837	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/16/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.0/9.93
Calibration (ppm) (if functionality test fails)	12.1/8.01

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0949	0.0	N	N/A				
IPML-A	0951	0.0	N	N/A				
SAM1.5	0954	0.0	Y	Hydrocarbon Odor				
IPML-B	0956	0.0	Y	Hydrocarbon Odor				
SAM-2	0958	0.0	N	N/A				
SAM-2.5	0959	0.0	N	N/A				
IPML-C	1001	0.0	N	N/A				
IPML-D	1003	0.0	N	N/A				
SAM-3	1005	0.0	N	N/A				
IPML-E	1007	0.0	N	N/A				
IPML-F	1009	0.0	N	N/A				
SAM-4/5	1011	0.0	N	N/A				
IPML-G	1013	0.0	N	N/A				
IPML-H	1015	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/16/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.0/9.93
Calibration (ppm) (if functionality test fails)	12.1/8.01

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1019	0.0	N	N/A				
IPML-A	1021	0.0	Y	Hydrocarbon Odor				
SAM1.5	1023	0.0	Y	Hydrocarbon Odor				
IPML-B	1025	0.0	Y	Hydrocarbon Odor				
SAM-2	1027	0.0	N	N/A				
SAM-2.5	1029	0.0	N	N/A				
IPML-C	1031	0.0	Y	Hydrocarbon Odor				
IPML-D	1033	0.0	Y	Hydrocarbon Odor				
SAM-3	1035	0.0	N	N/A				
IPML-E	1037	0.0	Y	Hydrocarbon Odor				
IPML-F	1039	0.0	Y	Hydrocarbon Odor				
SAM-4/5	1041	0.0	N	N/A				
IPML-G	1043	0.0	N	N/A				
IPML-H	1045	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/16/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.0/9.93
Calibration (ppm) (if functionality test fails)	12.1/8.01

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1124	0.0	N	N/A				
IPML-A	1126	0.0	N	N/A				
SAM1.5	1128	0.0	N	N/A				
IPML-B	1130	0.0	Y	Hydrocarbon Odor				
SAM-2	1132	0.0	Y	Hydrocarbon Odor				
SAM-2.5	1134	0.0	N	N/A				
IPML-C	1136	0.0	Y	Hydrocarbon Odor				
IPML-D	1138	0.0	Y	Hydrocarbon Odor				
SAM-3	1140	0.0	N	N/A				
IPML-E	1142	0.0	N	N/A				
IPML-F	1144	0.0	N	N/A				
SAM-4/5	1146	0.0	N	N/A				
IPML-G	1148	0.0	N	N/A				
IPML-H	1150	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/16/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.0/9.93
Calibration (ppm) (if functionality test fails)	12.1/8.01

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1235	0.0	N	N/A				
IPML-A	1237	0.0	N	N/A				
SAM1.5	1239	0.0	Y	Hydrocarbon Odor				
IPML-B	1241	0.0	Y	Hydrocarbon Odor				
SAM-2	1243	0.0	N	N/A				
SAM-2.5	1245	0.0	N	N/A				
IPML-C	1247	0.0	N	N/A				
IPML-D	1249	0.0	N	N/A				
SAM-3	1251	0.0	N	N/A				
IPML-E	1253	0.0	N	N/A				
IPML-F	1255	0.0	N	N/A				
SAM-4/5	1257	0.0	N	N/A				
IPML-G	1259	0.0	N	N/A				
IPML-H	1301	0.0	N	N/A				

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/16/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.0/9.93
Calibration (ppm) (if functionality test fails)	12.1/8.01

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1317	0.0	N	N/A				
IPML-A	1319	0.0	N	N/A				
SAM1.5	1321	0.0	N	N/A				
IPML-B	1323	0.0	N	N/A				
SAM-2	1325	0.0	Y	Hydrocarbon Odor				
SAM-2.5	1327	0.0	Y	Hydrocarbon Odor				
IPML-C	1329	0.0	Y	Hydrocarbon Odor				
IPML-D	1331	0.0	N	N/A				
SAM-3	1333	0.0	N	N/A				
IPML-E	1335	0.0	N	N/A				
IPML-F	1337	0.0	N	N/A				
SAM-4/5	1339	0.0	N	N/A				
IPML-G	1341	0.0	N	N/A				
IPML-H	1343	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/16/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.0/9.93
Calibration (ppm) (if functionality test fails)	12.1/8.01

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1426	0.0	N	N/A				
IPML-A	1428	0.0	N	N/A				
SAM1.5	1430	0.0	Y	Hydrocarbon Odor				
IPML-B	1432	0.0	Y	Hydrocarbon Odor				
SAM-2	1434	0.0	Y	Hydrocarbon Odor				
SAM-2.5	1436	0.0	Y	Hydrocarbon Odor				
IPML-C	1438	0.0	N	N/A				
IPML-D	1440	0.0	N	N/A				
SAM-3	1442	0.0	N	N/A				
IPML-E	1444	0.0	Y	Hydrocarbon Odor				
IPML-F	1446	0.0	N	N/A				
SAM-4/5	1448	0.0	N	N/A				
IPML-G	1450	0.0	N	N/A				
IPML-H	1452	0.0	N	N/A				

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/16/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.0/9.93
Calibration (ppm) (if functionality test fails)	12.1/8.01

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1523	0.0	N	N/A				
IPML-A	1526	0.0	N	N/A				
SAM1.5	1528	0.0	N	N/A				
IPML-B	1530	0.0	N	N/A				
SAM-2	1532	0.0	N	N/A				
SAM-2.5	1534	0.0	N	N/A				
IPML-C	1536	0.0	Y	Hydrocarbon Odor				
IPML-D	1538	0.0	N	N/A				
SAM-3	1540	0.0	N	N/A				
IPML-E	1542	0.0	Y	Hydrocarbon Odor				
IPML-F	1544	0.0	N	N/A				
SAM-4/5	1546	0.0	N	N/A				
IPML-G	1548	0.0	N	N/A				
IPML-H	1550	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/17/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.1/11.0
Calibration (ppm) (if functionality test fails)	N/A

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)	
	PID Zero Air (0 ppm)	200	Notify Rolling Meadows Air Team if any tanks are below **50 psi.**
	PID Span (100 ppm Isobutylene)	50	
	Drager GC (10 ppm Isobutylene/Toluene)	475	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0738	0.0	N	N/A				
IPML-A	0740	0.0	N	N/A				
SAM1.5	0742	0.0	Y	Hydrocarbon Odor				
IPML-B	0749	0.0	Y	Hydrocarbon Odor				
SAM-2	0751	0.0	N	N/A				
SAM-2.5	0755	0.0	N	N/A				
IPML-C	0802	0.0	Y	Hydrocarbon Odor				
IPML-D	0804	0.0	N	N/A				
SAM-3	0807	0.0	N	N/A				
IPML-E	0809	0.0	N	N/A				
IPML-F	0811	0.0	N	N/A				
SAM-4/5	0813	0.0	N	N/A				
IPML-G	0816	0.0	Y	Hydrocarbon Odor				
IPML-H	0821	0.0	N	N/A				

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/17/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.1/11.0
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0836	0.0	N	N/A				
IPML-A	0838	0.0	Y	Hydrocarbon Odor				
SAM1.5	0840	0.0	Y	Hydrocarbon Odor				
IPML-B	0842	0.0	Y	Hydrocarbon Odor				
SAM-2	0844	0.0	Y	Hydrocarbon Odor				
SAM-2.5	0846	0.0	Y	Hydrocarbon Odor				
IPML-C	0848	0.0	Y	Hydrocarbon Odor				
IPML-D	0850	0.0	Y	Hydrocarbon Odor				
SAM-3	0852	0.0	N	N/A				
IPML-E	0854	0.0	N	N/A				
IPML-F	0856	0.0	N	N/A				
SAM-4/5	0858	0.0	N	N/A				
IPML-G	0900	0.0	N	N/A				
IPML-H	0902	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/17/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.1/11.0
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0932	0.0	N	N/A				
IPML-A	0934	0.0	N	N/A				
SAM1.5	0936	0.0	Y	Hydrocarbon Odor				
IPML-B	0938	0.0	Y	Hydrocarbon Odor				
SAM-2	0940	0.0	Y	Hydrocarbon Odor				
SAM-2.5	0942	0.0	Y	Hydrocarbon Odor				
IPML-C	0944	0.0	Y	Hydrocarbon Odor				
IPML-D	0946	0.0	N	N/A				
SAM-3	0948	0.0	N	N/A				
IPML-E	0950	0.0	N	N/A				
IPML-F	0952	0.0	N	N/A				
SAM-4/5	0954	0.0	N	N/A				
IPML-G	0957	0.0	N	N/A				
IPML-H	0959	0.0	N	N/A				

Additional Comments:	

Safety Observation/Suggestion:	

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PID & GC Readings

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.1/11.0
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1033	0.0	N	N/A				
IPML-A	1035	0.0	Y	Hydrocarbon Odor				
SAM1.5	1037	0.0	N	N/A				
IPML-B	1039	0.0	N	N/A				
SAM-2	1041	0.0	Y	Hydrocarbon Odor				
SAM-2.5	1043	0.0	Y	Hydrocarbon Odor				
IPML-C	1045	0.0	N	N/A				
IPML-D	1047	0.0	Y	Hydrocarbon Odor				
SAM-3	1049	0.0	N	N/A				
IPML-E	1051	0.0	N	N/A				
IPML-F	1053	0.0	N	N/A				
SAM-4/5	1055	0.0	N	N/A				
IPML-G	1057	0.0	N	N/A				
IPML-H	1059	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/17/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.1/11.0
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1128	0.0	N	N/A				
IPML-A	1130	0.0	N	N/A				
SAM1.5	1132	0.0	Y	Hydrocarbon Odor				
IPML-B	1134	0.0	Y	Hydrocarbon Odor				
SAM-2	1136	0.0	Y	Hydrocarbon Odor				
SAM-2.5	1138	0.0	Y	Hydrocarbon Odor				
IPML-C	1140	0.0	Y	Hydrocarbon Odor				
IPML-D	1142	0.0	Y	Hydrocarbon Odor				
SAM-3	1144	0.0	Y	Hydrocarbon Odor				
IPML-E	1146	0.0	N	N/A				
IPML-F	1148	0.0	N	N/A				
SAM-4/5	1150	0.0	N	N/A				
IPML-G	1153	0.0	N	N/A				
IPML-H	1155	0.0	N	N/A				

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

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Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.1/11.0
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1220	0.0	N	N/A				
IPML-A	1222	0.0	N	N/A				
SAM1.5	1224	0.0	Y	Hydrocarbon Odor				
IPML-B	1226	0.0	Y	Hydrocarbon Odor				
SAM-2	1228	0.0	Y	Hydrocarbon Odor				
SAM-2.5	1230	0.0	Y	Hydrocarbon Odor				
IPML-C	1232	0.0	N	N/A				
IPML-D	1234	0.0	N	N/A				
SAM-3	1236	0.0	N	N/A				
IPML-E	1238	0.0	N	N/A				
IPML-F	1240	0.0	N	N/A				
SAM-4/5	1242	0.0	N	N/A				
IPML-G	1244	0.0	N	N/A				
IPML-H	1246	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

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PID & GC Readings

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Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.1/11.0
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1319	0.0	N	N/A				
IPML-A	1322	0.0	N	N/A				
SAM1.5	1324	0.0	N	N/A				
IPML-B	1326	0.0	Y	Hydrocarbon Odor				
SAM-2	1328	0.0	Y	Hydrocarbon Odor				
SAM-2.5	1330	0.0	Y	Hydrocarbon Odor				
IPML-C	1332	0.0	Y	Hydrocarbon Odor				
IPML-D	1334	0.0	Y	Hydrocarbon Odor				
SAM-3	1336	0.0	N	N/A				
IPML-E	1338	0.0	Y	Hydrocarbon Odor				
IPML-F	1340	0.0	Y	Odor Noted				
SAM-4/5	1342	0.0	Y	Odor Noted				
IPML-G	1344	0.0	N	N/A				
IPML-H	1346	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

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PID & GC Readings

Date: 10/17/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.1/11.0
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1420	0.0	N	N/A				
IPML-A	1422	0.0	Y	Hydrocarbon Odor				
SAM1.5	1424	0.0	Y	Hydrocarbon Odor				
IPML-B	1426	0.0	N	N/A				
SAM-2	1428	0.0	Y	Hydrocarbon Odor				
SAM-2.5	1430	0.0	N	N/A				
IPML-C	1432	0.0	Y	Hydrocarbon Odor				
IPML-D	1434	0.0	N	N/A				
SAM-3	1436	0.0	N	N/A				
IPML-E	1438	0.0	N	N/A				
IPML-F	1440	0.0	N	N/A				
SAM-4/5	1442	0.0	N	N/A				
IPML-G	1444	0.0	N	N/A				
IPML-H	1446	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

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PID & GC Readings

Date: 10/17/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.1/11.0
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1530	0.0	N	N/A				
IPML-A	1532	0.0	N	N/A				
SAM1.5	1534	0.0	Y	Hydrocarbon Odor				
IPML-B	1536	0.0	N	Hydrocarbon Odor				
SAM-2	1538	0.0	Y	N/A				
SAM-2.5	1540	0.0	Y	N/A				
IPML-C	1542	0.0	Y	N/A				
IPML-D	1544	0.0	N	Hydrocarbon Odor				
SAM-3	1546	0.0	N	N/A				
IPML-E	1548	0.0	N	N/A				
IPML-F	1550	0.0	N	N/A				
SAM-4/5	1552	0.0	N	N/A				
IPML-G	1554	0.0	N	N/A				
IPML-H	1556	0.0	N	N/A				

Additional Comments:	

Safety Observation/Suggestion:	

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PID & GC Readings

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.96/10.8
Calibration (ppm) (if functionality test fails)	N/A

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)	
	PID Zero Air (0 ppm)	200	Notify Rolling Meadows Air Team if any tanks are below **50 psi.**
	PID Span (100 ppm Isobutylene)	50	
	Drager GC (10 ppm Isobutylene/Toluene)	475	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0727	0.0	N	N/A				
IPML-A	0731	0.0	N	N/A				
SAM1.5	0734	0.0	N	N/A				
IPML-B	0737	0.0	Y	Hydrocarbon Odor				
SAM-2	0739	0.0	N	N/A				
SAM-2.5	0742	0.0	N	N/A				
IPML-C	0744	0.0	N	N/A				
IPML-D	0746	0.0	N	N/A				
SAM-3	0749	0.0	N	N/A				
IPML-E	0752	0.0	N	N/A				
IPML-F	0754	0.0	N	N/A				
SAM-4/5	0756	0.0	N	N/A				
IPML-G	0806	0.0	N	N/A				
IPML-H	0808	0.0	N	N/A				

Additional Comments:	

Safety Observation/Suggestion:	

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Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.96/10.8
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0835	0.0	N	N/A				
IPML-A	0837	0.0	N	N/A				
SAM1.5	0839	0.0	Y	Hydrocarbon Odor				
IPML-B	0841	0.0	N	N/A				
SAM-2	0843	0.0	N	N/A				
SAM-2.5	0848	0.0	Y	Hydrocarbon Odor				
IPML-C	0850	0.0	Y	Hydrocarbon Odor				
IPML-D	0852	0.0	Y	Hydrocarbon Odor				
SAM-3	0854	0.0	N	N/A				
IPML-E	0856	0.0	Y	Hydrocarbon Odor				
IPML-F	0858	0.0	N	N/A				
SAM-4/5	0900	0.0	N	N/A				
IPML-G	0902	0.0	N	N/A				
IPML-H	0904	0.0	N	N/A				

Additional Comments:	

Safety Observation/Suggestion:	

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PID & GC Readings

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Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.96/10.8
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0915	0.0	N	N/A				
IPML-A	0917	0.0	N	N/A				
SAM1.5	0919	0.0	Y	Hydrocarbon Odor				
IPML-B	0921	0.0	N	N/A				
SAM-2	0923	0.0	N	N/A				
SAM-2.5	0925	0.0	Y	Hydrocarbon Odor				
IPML-C	0927	0.0	Y	Hydrocarbon Odor				
IPML-D	0929	0.0	N	N/A				
SAM-3	0931	0.0	Y	Hydrocarbon Odor				
IPML-E	0933	0.0	N	N/A				
IPML-F	0935	0.0	Y	Hydrocarbon Odor				
SAM-4/5	0937	0.0	N	N/A				
IPML-G	0939	0.0	N	N/A				
IPML-H	0941	0.0	N	N/A				

Additional Comments:	

Safety Observation/Suggestion:	

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Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.96/10.8
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1019	0.0	N	N/A				
IPML-A	1021	0.0	N	N/A				
SAM1.5	1023	0.0	Y	Hydrocarbon Odor				
IPML-B	1025	0.0	Y	Hydrocarbon Odor				
SAM-2	1027	0.0	N	N/A				
SAM-2.5	1029	0.0	Y	Hydrocarbon Odor				
IPML-C	1031	0.0	Y	Hydrocarbon Odor				
IPML-D	1033	0.0	Y	Hydrocarbon Odor				
SAM-3	1035	0.0	Y	Hydrocarbon Odor				
IPML-E	1037	0.0	N	N/A				
IPML-F	1039	0.0	N	N/A				
SAM-4/5	1041	0.0	N	N/A				
IPML-G	1043	0.0	N	N/A				
IPML-H	1045	0.0	Y	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

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Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.96/10.8
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1126	0.0	N	N/A				
IPML-A	1128	0.0	N	N/A				
SAM1.5	1130	0.0	Y	Hydrocarbon Odor				
IPML-B	1132	0.0	Y	Hydrocarbon Odor				
SAM-2	1134	0.0	Y	Hydrocarbon Odor				
SAM-2.5	1136	0.0	Y	Hydrocarbon Odor				
IPML-C	1138	0.0	Y	Hydrocarbon Odor				
IPML-D	1140	0.0	N	N/A				
SAM-3	1142	0.0	N	N/A				
IPML-E	1144	0.0	N	N/A				
IPML-F	1146	0.0	N	N/A				
SAM-4/5	1148	0.0	N	N/A				
IPML-G	1150	0.0	N	N/A				
IPML-H	1152	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

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Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.96/10.8
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1230	0.0	N	N/A				
IPML-A	1232	0.0	Y	Hydrocarbon Odor				
SAM1.5	1234	0.0	Y	Hydrocarbon Odor				
IPML-B	1236	0.0	Y	Hydrocarbon Odor				
SAM-2	1240	0.0	N	N/A				
SAM-2.5	1242	0.0	N	N/A				
IPML-C	1244	0.0	Y	Hydrocarbon Odor				
IPML-D	1247	0.0	Y	Hydrocarbon Odor				
SAM-3	1249	0.0	Y	Hydrocarbon Odor				
IPML-E	1251	0.0	Y	Hydrocarbon Odor				
IPML-F	1253	0.0	N	N/A				
SAM-4/5	1255	0.0	N	N/A				
IPML-G	1257	0.0	N	N/A				
IPML-H	1259	0.0	N	N/A				

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/18/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.96/10.8
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1343	0.0	N	N/A				
IPML-A	1346	0.0	N	N/A				
SAM1.5	1348	0.0	Y	Hydrocarbon Odor				
IPML-B	1350	0.0	N	N/A				
SAM-2	1352	0.0	Y	Hydrocarbon Odor				
SAM-2.5	1354	0.0	Y	Hydrocarbon Odor				
IPML-C	1356	0.0	Y	Hydrocarbon Odor				
IPML-D	1358	0.0	Y	Hydrocarbon Odor				
SAM-3	1400	0.0	Y	Hydrocarbon Odor				
IPML-E	1402	0.0	N	N/A				
IPML-F	1404	0.0	N	N/A				
SAM-4/5	1406	0.0	N	N/A				
IPML-G	1408	0.0	N	N/A				
IPML-H	1410	0.0	N	N/A				

Additional Comments:	

Safety Observation/Suggestion:	

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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/18/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.96/10.8
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1412	0.0	N	N/A				
IPML-A	1414	0.0	N	N/A				
SAM1.5	1416	0.0	N	N/A				
IPML-B	1418	0.0	Y	Hydrocarbon Odor				
SAM-2	1420	0.0	N	N/A				
SAM-2.5	1422	0.0	N	N/A				
IPML-C	1424	0.0	Y	Hydrocarbon Odor				
IPML-D	1426	0.0	Y	Hydrocarbon Odor				
SAM-3	1428	0.0	Y	Hydrocarbon Odor				
IPML-E	1430	0.0	N	N/A				
IPML-F	1432	0.0	N	N/A				
SAM-4/5	1434	0.0	N	N/A				
IPML-G	1436	0.0	N	N/A				
IPML-H	1438	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 10/18/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.96/10.8
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1518	0.0	N	N/A				
IPML-A	1520	0.0	N	N/A				
SAM1.5	1525	0.0	N	N/A				
IPML-B	1527	0.0	N	N/A				
SAM-2	1529	0.0	N	N/A				
SAM-2.5	1531	0.0	N	N/A				
IPML-C	1533	0.0	N	N/A				
IPML-D	1535	0.0	Y	Hydrocarbon Odor				
SAM-3	1537	0.0	Y	Hydrocarbon Odor				
IPML-E	1539	0.0	N	N/A				
IPML-F	1541	0.0	N	N/A				
SAM-4/5	1544	0.0	N	N/A				
IPML-G	1546	0.0	N	N/A				
IPML-H	1548	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
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Preliminary

PID & GC Readings

Date: 10/19/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.75/10.4
Calibration (ppm) (if functionality test fails)	N/A

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)	
	PID Zero Air (0 ppm)	200	Notify Rolling Meadows Air Team if any tanks are below **50 psi.**
	PID Span (100 ppm Isobutylene)	50	
	Drager GC (10 ppm Isobutylene/Toluene)	475	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0740	0.0	N	N/A				
IPML-A	0746	0.0	N	N/A				
SAM1.5	0751	0.0	N	N/A				
IPML-B	0754	0.0	N	N/A				
SAM-2	0755	0.0	N	N/A				
SAM-2.5	0759	0.0	N	N/A				
IPML-C	0802	0.0	N	N/A				
IPML-D	0804	0.0	N	N/A				
SAM-3	0809	0.0	N	N/A				
IPML-E	0813	0.0	N	N/A				
IPML-F	0815	0.0	N	N/A				
SAM-4/5	0818	0.0	N	N/A				
IPML-G	0824	0.0	N	N/A				
IPML-H	0826	0.0	N	N/A				

Additional Comments:	0700 readings bled into 0800 because of calibrating e-samplers.

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
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Preliminary

PID & GC Readings

Date: 10/19/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.75/10.4
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0841	0.0	N	N/A				
IPML-A	0851	0.0	N	N/A				
SAM1.5	0854	0.0	N	N/A				
IPML-B	0901	0.0	Y	Hydrocarbon Odor				
SAM-2	0903	0.0	N	N/A				
SAM-2.5	0911	0.0	N	N/A				
IPML-C	0921	0.0	Y	Hydrocarbon Odor				
IPML-D	0923	0.0	N	N/A				
SAM-3	0925	0.0	N	N/A				
IPML-E	0945	0.0	N	N/A				
IPML-F	0948	0.0	N	N/A				
SAM-4/5	0950	0.0	N	N/A				
IPML-G	1012	0.0	N	N/A				
IPML-H	1014	0.0	N	N/A				

Additional Comments:	0800 readings bled into 0900 from changing out puff samples and calibrating e-samplers.
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/19/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.75/10.4
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1028	0.0	N	N/A				
IPML-A	1030	0.0	N	N/A				
SAM1.5	1032	0.0	N	N/A				
IPML-B	1034	0.0	N	N/A				
SAM-2	1036	0.0	N	N/A				
SAM-2.5	1038	0.0	N	N/A				
IPML-C	1040	0.0	N	N/A				
IPML-D	1042	0.0	N	N/A				
SAM-3	1044	0.0	N	N/A				
IPML-E	1046	0.0	N	N/A				
IPML-F	1048	0.0	N	N/A				
SAM-4/5	1050	0.0	N	N/A				
IPML-G	1053	0.0	N	N/A				
IPML-H	1055	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 10/19/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.75/10.4
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1135	0.0	N	N/A				
IPML-A	1137	0.0	N	N/A				
SAM1.5	1139	0.0	Y	Hydrocarbon Odor				
IPML-B	1141	0.0	Y	Hydrocarbon Odor				
SAM-2	1143	0.0	Y	Hydrocarbon Odor				
SAM-2.5	1145	0.0	N	N/A				
IPML-C	1147	0.0	Y	Hydrocarbon Odor				
IPML-D	1149	0.0	N	N/A				
SAM-3	1151	0.0	N	N/A				
IPML-E	1153	0.0	N	N/A				
IPML-F	1155	0.0	N	N/A				
SAM-4/5	1157	0.0	N	N/A				
IPML-G	1159	0.0	N	N/A				
IPML-H	1201	0.0	N	N/A				

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/19/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.75/10.4
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1229	0.0	N	N/A				
IPML-A	1231	0.0	Y	Hydrocarbon Odor				
SAM1.5	1233	0.0	N	N/A				
IPML-B	1235	0.0	Y	Hydrocarbon Odor				
SAM-2	1237	0.0	Y	Hydrocarbon Odor				
SAM-2.5	1239	0.0	N	N/A				
IPML-C	1241	0.0	Y	Hydrocarbon Odor				
IPML-D	1243	0.0	N	N/A				
SAM-3	1245	0.0	N	N/A				
IPML-E	1247	0.0	N	N/A				
IPML-F	1249	0.0	N	N/A				
SAM-4/5	1251	0.0	N	N/A				
IPML-G	1253	0.0	N	N/A				
IPML-H	1255	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/19/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.75/10.4
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1335	0.0	N	N/A				
IPML-A	1337	0.0	N	N/A				
SAM1.5	1339	0.0	N	N/A				
IPML-B	1341	0.0	N	N/A				
SAM-2	1343	0.0	N	N/A				
SAM-2.5	1345	0.0	Y	Hydrocarbon Odor				
IPML-C	1347	0.0	N	N/A				
IPML-D	1349	0.0	N	N/A				
SAM-3	1352	0.0	N	N/A				
IPML-E	1354	0.0	N	N/A				
IPML-F	1356	0.0	N	N/A				
SAM-4/5	1358	0.0	N	N/A				
IPML-G	1400	0.0	N	N/A				
IPML-H	1402	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 10/19/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.75/10.4
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1432	0.0	N	N/A				
IPML-A	1434	0.0	N	N/A				
SAM1.5	1436	0.0	Y	Hydrocarbon Odor				
IPML-B	1438	0.0	N	N/A				
SAM-2	1440	0.0	N	N/A				
SAM-2.5	1442	0.0	N	N/A				
IPML-C	1444	0.0	N	N/A				
IPML-D	1446	0.0	N	N/A				
SAM-3	1448	0.0	N	N/A				
IPML-E	1450	0.0	N	N/A				
IPML-F	1452	0.0	N	N/A				
SAM-4/5	1458	0.0	N	N/A				
IPML-G	1500	0.0	N	N/A				
IPML-H	1502	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 10/19/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.75/10.4
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1504	0.0	N	N/A				
IPML-A	1507	0.0	N	N/A				
SAM1.5	1509	0.0	N	N/A				
IPML-B	1511	0.0	N	N/A				
SAM-2	1513	0.0	Y	Hydrocarbon Odor				
SAM-2.5	1515	0.0	N	N/A				
IPML-C	1517	0.0	N	N/A				
IPML-D	1519	0.0	N	N/A				
SAM-3	1522	0.0	N	N/A				
IPML-E	1524	0.0	N	N/A				
IPML-F	1526	0.0	N	N/A				
SAM-4/5	1528	0.0	N	N/A				
IPML-G	1530	0.0	N	N/A				
IPML-H	1532	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/20/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.84/10.5
Calibration (ppm) (if functionality test fails)	N/A

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)	
	PID Zero Air (0 ppm)	185	Notify Rolling Meadows Air Team if any tanks are below **50 psi.**
	PID Span (100 ppm Isobutylene)	30	
	Drager GC (10 ppm Isobutylene/Toluene)	400	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0741	0.0	N	N/A				
IPML-A	0743	0.0	N	N/A				
SAM1.5	0745	0.0	N	N/A				
IPML-B	0749	0.0	N	N/A				
SAM-2	0751	0.0	Y	Hydrocarbon Odor				
SAM-2.5	0759	0.0	N	N/A				
IPML-C	0804	0.0	N	N/A				
IPML-D	0806	0.0	N	N/A				
SAM-3	0823	0.0	N	N/A				
IPML-E	0828	0.0	N	N/A				
IPML-F	0842	0.0	N	N/A				
SAM-4/5	0844	0.0	N	N/A				
IPML-G	0854	0.0	N	N/A				
IPML-H	0856	0.0	N	N/A				

Additional Comments:	

Safety Observation/Suggestion:	

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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/20/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.84/10.5
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0930	0.0	N	N/A				
IPML-A	0932	0.0	N	N/A				
SAM1.5	0934	0.0	N	N/A				
IPML-B	0936	0.0	N	N/A				
SAM-2	0938	0.0	N	N/A				
SAM-2.5	0940	0.0	N	N/A				
IPML-C	0944	0.0	N	N/A				
IPML-D	0949	0.0	N	N/A				
SAM-3	0951	0.0	N	N/A				
IPML-E	0954	0.0	N	N/A				
IPML-F	0957	0.0	N	N/A				
SAM-4/5	0959	0.0	N	N/A				
IPML-G	1002	0.0	N	N/A				
IPML-H	1004	0.0	N	N/A				

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/20/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.84/10.5
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1031	0.0	N	N/A				
IPML-A	1036	0.0	N	N/A				
SAM1.5	1038	0.0	N	N/A				
IPML-B	1040	0.0	N	N/A				
SAM-2	1042	0.0	N	N/A				
SAM-2.5	1044	0.0	N	N/A				
IPML-C	1046	0.0	N	N/A				
IPML-D	1048	0.0	N	N/A				
SAM-3	1051	0.0	N	N/A				
IPML-E	1053	0.0	N	N/A				
IPML-F	1055	0.0	N	N/A				
SAM-4/5	1057	0.0	N	N/A				
IPML-G	1101	0.0	N	N/A				
IPML-H	1103	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/20/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.84/10.5
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1131	0.0	N	N/A				
IPML-A	1133	0.0	N	N/A				
SAM1.5	1135	0.0	N	N/A				
IPML-B	1137	0.0	N	N/A				
SAM-2	1139	0.0	N	N/A				
SAM-2.5	1141	0.0	N	N/A				
IPML-C	1143	0.0	N	N/A				
IPML-D	1145	0.0	N	N/A				
SAM-3	1147	0.0	N	N/A				
IPML-E	1149	0.0	N	N/A				
IPML-F	1151	0.0	N	N/A				
SAM-4/5	1153	0.0	N	N/A				
IPML-G	1155	0.0	N	N/A				
IPML-H	1157	0.0	N	N/A				

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/20/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.84/10.5
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1239	0.0	N	N/A				
IPML-A	1241	0.0	N	N/A				
SAM1.5	1243	0.0	N	N/A				
IPML-B	1245	0.0	N	N/A				
SAM-2	1247	0.0	N	N/A				
SAM-2.5	1249	0.0	N	N/A				
IPML-C	1251	0.0	N	N/A				
IPML-D	1253	0.0	N	N/A				
SAM-3	1255	0.0	N	N/A				
IPML-E	1257	0.0	N	N/A				
IPML-F	1259	0.0	N	N/A				
SAM-4/5	1301	0.0	N	N/A				
IPML-G	1303	0.0	N	N/A				
IPML-H	1305	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/20/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.84/10.5
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1307	0.0	N	N/A				
IPML-A	1309	0.0	N	N/A				
SAM1.5	1311	0.0	N	N/A				
IPML-B	1313	0.0	N	N/A				
SAM-2	1315	0.0	N	N/A				
SAM-2.5	1317	0.0	N	N/A				
IPML-C	1319	0.0	N	N/A				
IPML-D	1321	0.0	N	N/A				
SAM-3	1323	0.0	N	N/A				
IPML-E	1325	0.0	N	N/A				
IPML-F	1327	0.0	N	N/A				
SAM-4/5	1329	0.0	N	N/A				
IPML-G	1331	0.0	N	N/A				
IPML-H	1333	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/20/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.84/10.5
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1423	0.0	N	N/A				
IPML-A	1425	0.0	N	N/A				
SAM1.5	1427	0.0	N	N/A				
IPML-B	1429	0.0	N	N/A				
SAM-2	1431	0.0	N	N/A				
SAM-2.5	1433	0.0	N	N/A				
IPML-C	1435	0.0	N	N/A				
IPML-D	1438	0.0	N	N/A				
SAM-3	1440	0.0	N	N/A				
IPML-E	1442	0.0	N	N/A				
IPML-F	1444	0.0	N	N/A				
SAM-4/5	1446	0.0	N	N/A				
IPML-G	1448	0.0	N	N/A				
IPML-H	1450	0.0	N	N/A				

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 10/20/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.84/10.5
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1507	0.0	N	N/A				
IPML-A	1509	0.0	N	N/A				
SAM1.5	1511	0.0	N	N/A				
IPML-B	1513	0.0	N	N/A				
SAM-2	1515	0.0	N	N/A				
SAM-2.5	1517	0.0	N	N/A				
IPML-C	1519	0.0	N	N/A				
IPML-D	1521	0.0	N	N/A				
SAM-3	1523	0.0	N	N/A				
IPML-E	1526	0.0	N	N/A				
IPML-F	1528	0.0	N	N/A				
SAM-4/5	1530	0.0	N	N/A				
IPML-G	1532	0.0	N	N/A				
IPML-H	1534	0.0	N	N/A				

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 10/21/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.61/10.1
Calibration (ppm) (if functionality test fails)	N/A

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)	
	PID Zero Air (0 ppm)	185	Notify Rolling Meadows Air Team if any tanks are below **50 psi.**
	PID Span (100 ppm Isobutylene)	30	
	Drager GC (10 ppm Isobutylene/Toluene)	400	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0702	0.0	N	N/A				
IPML-A	0704	0.0	N	N/A				
SAM1.5	0706	0.0	N	N/A				
IPML-B	0708	0.0	N	N/A				
SAM-2	0710	0.0	N	N/A				
SAM-2.5	0714	0.0	N	N/A				
IPML-C	0720	0.0	N	N/A				
IPML-D	0722	0.0	N	N/A				
SAM-3	0724	0.0	N	N/A				
IPML-E	0729	0.0	N	N/A				
IPML-F	0731	0.0	N	N/A				
SAM-4/5	0733	0.0	N	N/A				
IPML-G	0741	0.0	N	N/A				
IPML-H	0743	0.0	N	N/A				

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/21/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.61/10.1
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0802	0.0	N	N/A				
IPML-A	0804	0.0	N	N/A				
SAM1.5	0807	0.0	N	N/A				
IPML-B	0809	0.0	N	N/A				
SAM-2	0811	0.0	N	N/A				
SAM-2.5	0813	0.0	N	N/A				
IPML-C	0815	0.0	N	N/A				
IPML-D	0817	0.0	N	N/A				
SAM-3	0819	0.0	N	N/A				
IPML-E	0821	0.0	N	N/A				
IPML-F	0823	0.0	N	N/A				
SAM-4/5	0825	0.0	N	N/A				
IPML-G	0827	0.0	N	N/A				
IPML-H	0829	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/21/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.61/10.1
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0901	0.0	N	N/A				
IPML-A	0903	0.0	N	N/A				
SAM1.5	0905	0.0	N	N/A				
IPML-B	0907	0.0	N	N/A				
SAM-2	0909	0.0	N	N/A				
SAM-2.5	0911	0.0	N	N/A				
IPML-C	0913	0.0	N	N/A				
IPML-D	0915	0.0	N	N/A				
SAM-3	0917	0.0	N	N/A				
IPML-E	0919	0.0	N	N/A				
IPML-F	0921	0.0	N	N/A				
SAM-4/5	0923	0.0	N	N/A				
IPML-G	0925	0.0	N	N/A				
IPML-H	0927	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/21/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.61/10.1
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1005	0.0	N	N/A				
IPML-A	1007	0.0	N	N/A				
SAM1.5	1009	0.0	N	N/A				
IPML-B	1011	0.0	Y	Hydrocarbon Odor				
SAM-2	1013	0.0	Y	Hydrocarbon Odor				
SAM-2.5	1015	0.0	N	N/A				
IPML-C	1017	0.0	N	N/A				
IPML-D	1019	0.0	N	N/A				
SAM-3	1021	0.0	N	N/A				
IPML-E	1023	0.0	N	N/A				
IPML-F	1025	0.0	N	N/A				
SAM-4/5	1027	0.0	N	N/A				
IPML-G	1029	0.0	N	N/A				
IPML-H	1031	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/21/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.61/10.1
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1104	0.0	N	N/A				
IPML-A	1106	0.0	N	N/A				
SAM1.5	1108	0.0	N	N/A				
IPML-B	1110	0.0	N	N/A				
SAM-2	1112	0.0	N	N/A				
SAM-2.5	1114	0.0	N	N/A				
IPML-C	1116	0.0	N	N/A				
IPML-D	1118	0.0	N	N/A				
SAM-3	1120	0.0	N	N/A				
IPML-E	1122	0.0	N	N/A				
IPML-F	1124	0.0	N	N/A				
SAM-4/5	1126	0.0	N	N/A				
IPML-G	1128	0.0	N	N/A				
IPML-H	1130	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/21/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.61/10.1
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1203	0.0	N	N/A				
IPML-A	1205	0.0	N	N/A				
SAM1.5	1207	0.0	N	N/A				
IPML-B	1209	0.0	N	N/A				
SAM-2	1211	0.0	Y	Hydrocarbon odor				
SAM-2.5	1213	0.0	N	N/A				
IPML-C	1215	0.0	N	N/A				
IPML-D	1217	0.0	N	N/A				
SAM-3	1219	0.0	N	N/A				
IPML-E	1221	0.0	N	N/A				
IPML-F	1223	0.0	N	N/A				
SAM-4/5	1225	0.0	N	N/A				
IPML-G	1227	0.0	N	N/A				
IPML-H	1229	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 10/21/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.61/10.1
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1304	0.0	N	N/A				
IPML-A	1306	0.0	N	N/A				
SAM1.5	1308	0.0	N	N/A				
IPML-B	1310	0.0	N	N/A				
SAM-2	1312	0.0	N	N/A				
SAM-2.5	1314	0.0	N	N/A				
IPML-C	1316	0.0	N	N/A				
IPML-D	1318	0.0	N	N/A				
SAM-3	1320	0.0	N	N/A				
IPML-E	1322	0.0	N	N/A				
IPML-F	1324	0.0	N	N/A				
SAM-4/5	1326	0.0	N	N/A				
IPML-G	1328	0.0	N	N/A				
IPML-H	1330	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/21/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.61/10.1
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1403	0.0	N	N/A				
IPML-A	1405	0.0	N	N/A				
SAM1.5	1407	0.0	N	N/A				
IPML-B	1409	0.0	N	N/A				
SAM-2	1411	0.0	N	N/A				
SAM-2.5	1413	0.0	N	N/A				
IPML-C	1415	0.0	N	N/A				
IPML-D	1417	0.0	N	N/A				
SAM-3	1419	0.0	N	N/A				
IPML-E	1421	0.0	N	N/A				
IPML-F	1423	0.0	N	N/A				
SAM-4/5	1425	0.0	N	N/A				
IPML-G	1427	0.0	N	N/A				
IPML-H	1429	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 10/23/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	100.0 ppm

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.72/10.8
Calibration (ppm) (if functionality test fails)	N/A

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)	
	PID Zero Air (0 ppm)	200	Notify Rolling Meadows Air Team if any tanks are below **50 psi.**
	PID Span (100 ppm Isobutylene)	25	
	Drager GC (10 ppm Isobutylene/Toluene)	260	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	NA	NA	NA	N/A				
IPML-A	NA	NA	NA	N/A				
SAM1.5	NA	NA	NA	N/A				
IPML-B	NA	NA	NA	N/A				
SAM-2	NA	NA	NA	N/A				
SAM-2.5	NA	NA	NA	N/A				
IPML-C	NA	NA	NA	N/A				
IPML-D	NA	NA	NA	N/A				
SAM-3	NA	NA	NA	N/A				
IPML-E	NA	NA	NA	N/A				
IPML-F	NA	NA	NA	N/A				
SAM-4/5	NA	NA	NA	N/A				
IPML-G	NA	NA	NA	N/A				
IPML-H	NA	NA	NA	N/A				

Additional Comments:	No readings for the 0700 Hour due to onsite training

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/23/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	100.0 ppm

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.72/10.8
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0742	0.0	N	N/A				
IPML-A	0745	0.0	N	N/A				
SAM1.5	0747	0.0	N	N/A				
IPML-B	0749	0.0	N	N/A				
SAM-2	0751	0.0	N	N/A				
SAM-2.5	0753	0.0	N	N/A				
IPML-C	0755	0.0	N	N/A				
IPML-D	0757	0.0	N	N/A				
SAM-3	0759	0.0	N	N/A				
IPML-E	0801	0.0	N	N/A				
IPML-F	0803	0.0	N	N/A				
SAM-4/5	0805	0.0	N	N/A				
IPML-G	0807	0.0	N	N/A				
IPML-H	0809	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 10/23/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	100.0 ppm

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.72/10.8
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0903	0.0	N	N/A				
IPML-A	0905	0.0	N	N/A				
SAM1.5	0907	0.0	N	N/A				
IPML-B	0909	0.0	N	N/A				
SAM-2	0911	0.0	N	N/A				
SAM-2.5	0913	0.0	N	N/A				
IPML-C	0915	0.0	N	N/A				
IPML-D	0918	0.0	N	N/A				
SAM-3	0920	0.0	N	N/A				
IPML-E	0922	0.0	N	N/A				
IPML-F	0924	0.0	N	N/A				
SAM-4/5	0926	0.0	N	N/A				
IPML-G	0928	0.0	N	N/A				
IPML-H	0930	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 10/23/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	100.0 ppm

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.72/10.8
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1000	0.0	N	N/A				
IPML-A	1002	0.0	N	N/A				
SAM1.5	1004	0.0	N	N/A				
IPML-B	1006	0.0	N	N/A				
SAM-2	1008	0.0	N	N/A				
SAM-2.5	1010	0.0	N	N/A				
IPML-C	1012	0.0	N	N/A				
IPML-D	1014	0.0	N	N/A				
SAM-3	1016	0.0	N	N/A				
IPML-E	1018	0.0	N	N/A				
IPML-F	1020	0.0	N	N/A				
SAM-4/5	1022	0.0	N	N/A				
IPML-G	1025	0.0	N	N/A				
IPML-H	1028	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 10/23/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	100.0 ppm

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.72/10.8
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1103	0.0	N	N/A				
IPML-A	1105	0.0	N	N/A				
SAM1.5	1107	0.0	N	N/A				
IPML-B	1109	0.0	N	N/A				
SAM-2	1111	0.0	N	N/A				
SAM-2.5	1113	0.0	N	N/A				
IPML-C	1115	0.0	N	N/A				
IPML-D	1116	0.0	N	N/A				
SAM-3	1118	0.0	N	N/A				
IPML-E	1120	0.0	N	N/A				
IPML-F	1122	0.0	N	N/A				
SAM-4/5	1124	0.0	N	N/A				
IPML-G	1128	0.0	N	N/A				
IPML-H	1130	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/23/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	100.0 ppm

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.72/10.8
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1203	0.0	N	N/A				
IPML-A	1205	0.0	N	N/A				
SAM1.5	1207	0.0	N	N/A				
IPML-B	1209	0.0	N	N/A				
SAM-2	1211	0.0	N	N/A				
SAM-2.5	1213	0.0	N	N/A				
IPML-C	1215	0.0	N	N/A				
IPML-D	1217	0.0	N	N/A				
SAM-3	1219	0.0	N	N/A				
IPML-E	1221	0.0	N	N/A				
IPML-F	1223	0.0	N	N/A				
SAM-4/5	1225	0.0	N	N/A				
IPML-G	1227	0.0	N	N/A				
IPML-H	1230	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 10/23/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	100.0 ppm

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.72/10.8
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1315	0.0	N	N/A				
IPML-A	1318	0.0	N	N/A				
SAM1.5	1320	0.0	N	N/A				
IPML-B	1322	0.0	N	N/A				
SAM-2	1324	0.0	N	N/A				
SAM-2.5	1327	0.0	N	N/A				
IPML-C	1329	0.0	N	N/A				
IPML-D	1331	0.0	N	N/A				
SAM-3	1333	0.0	N	N/A				
IPML-E	1335	0.0	N	N/A				
IPML-F	1337	0.0	N	N/A				
SAM-4/5	1339	0.0	N	N/A				
IPML-G	1341	0.0	N	N/A				
IPML-H	1343	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/23/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	100.0 ppm

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.72/10.8
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1433	0.0	N	N/A				
IPML-A	1435	0.0	N	N/A				
SAM1.5	1437	0.0	N	N/A				
IPML-B	1439	0.0	N	N/A				
SAM-2	1441	0.0	N	N/A				
SAM-2.5	1443	0.0	N	N/A				
IPML-C	1445	0.0	N	N/A				
IPML-D	1447	0.0	N	N/A				
SAM-3	1449	0.0	N	N/A				
IPML-E	1451	0.0	N	N/A				
IPML-F	1453	0.0	N	N/A				
SAM-4/5	1455	0.0	N	N/A				
IPML-G	1457	0.0	N	N/A				
IPML-H	1459	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/23/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	100.0 ppm

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.72/10.8
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1535	0.0	N	N/A				
IPML-A	1537	0.0	N	N/A				
SAM1.5	1539	0.0	N	N/A				
IPML-B	1541	0.0	N	N/A				
SAM-2	1544	0.0	N	N/A				
SAM-2.5	1546	0.0	N	N/A				
IPML-C	1548	0.0	N	N/A				
IPML-D	1550	0.0	N	N/A				
SAM-3	1552	0.0	N	N/A				
IPML-E	1554	0.0	N	N/A				
IPML-F	1556	0.0	N	N/A				
SAM-4/5	1558	0.0	N	N/A				
IPML-G	1600	0.0	N	N/A				
IPML-H	1603	0.0	N	N/A				

Additional Comments:	Last PID site walk @ 1535 - 1603
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/24/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.2

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.68/10.8
Calibration (ppm) (if functionality test fails)	NA

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)	
	PID Zero Air (0 ppm)	175	Notify Rolling Meadows Air Team if any tanks are below **50 psi.**
	PID Span (100 ppm Isobutylene)	25	
	Drager GC (10 ppm Isobutylene/Toluene)	300	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0734	0.0	N	N/A				
IPML-A	0737	0.0	N	N/A				
SAM1.5	0739	0.0	N	N/A				
IPML-B	0741	0.0	N	N/A				
SAM-2	0744	0.0	N	N/A				
SAM-2.5	0746	0.0	N	N/A				
IPML-C	0748	0.0	N	N/A				
IPML-D	0750	0.0	N	N/A				
SAM-3	0752	0.0	N	N/A				
IPML-E	0754	0.0	N	N/A				
IPML-F	0756	0.0	N	N/A				
SAM-4/5	0759	0.0	N	N/A				
IPML-G	0801	0.0	N	N/A				
IPML-H	0803	0.0	N	N/A				

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/24/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.2

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.68/10.8
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0832	0.0	N	N/A				
IPML-A	0834	0.0	N	N/A				
SAM1.5	0840	0.0	N	N/A				
IPML-B	0842	0.0	N	N/A				
SAM-2	0847	0.0	N	N/A				
SAM-2.5	0851	0.0	N	N/A				
IPML-C	0853	0.0	N	N/A				
IPML-D	0855	0.0	N	N/A				
SAM-3	0901	0.0	N	N/A				
IPML-E	0903	0.0	N	N/A				
IPML-F	0905	0.0	N	N/A				
SAM-4/5	0912	0.0	N	N/A				
IPML-G	0914	0.0	N	N/A				
IPML-H	0916	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 10/24/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.2

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.68/10.8
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0933	0.0	N	N/A				
IPML-A	0935	0.0	N	N/A				
SAM1.5	0937	0.0	Y	Hydrocarbon Odor				
IPML-B	0939	0.0	N	N/A				
SAM-2	0941	0.0	N	N/A				
SAM-2.5	0943	0.0	N	N/A				
IPML-C	0945	0.0	N	N/A				
IPML-D	0947	0.0	N	N/A				
SAM-3	0949	0.0	N	N/A				
IPML-E	0951	0.0	N	N/A				
IPML-F	0953	0.0	N	N/A				
SAM-4/5	0955	0.0	N	N/A				
IPML-G	0957	0.0	N	N/A				
IPML-H	0959	0.0	N	N/A				

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/24/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.2

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.68/10.8
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1034	0.0	N	N/A				
IPML-A	1036	0.0	N	N/A				
SAM1.5	1038	0.0	N	N/A				
IPML-B	1040	0.0	N	N/A				
SAM-2	1042	0.0	N	N/A				
SAM-2.5	1044	0.0	N	N/A				
IPML-C	1046	0.0	N	N/A				
IPML-D	1048	0.0	N	N/A				
SAM-3	1050	0.0	N	N/A				
IPML-E	1052	0.0	N	N/A				
IPML-F	1054	0.0	N	N/A				
SAM-4/5	1056	0.0	N	N/A				
IPML-G	1058	0.0	N	N/A				
IPML-H	1100	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/24/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.2

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.68/10.8
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1132	0.0	N	N/A				
IPML-A	1135	0.0	N	N/A				
SAM1.5	1137	0.0	N	N/A				
IPML-B	1139	0.0	N	N/A				
SAM-2	1141	0.0	N	N/A				
SAM-2.5	1143	0.0	N	N/A				
IPML-C	1145	0.0	N	N/A				
IPML-D	1147	0.0	N	N/A				
SAM-3	1149	0.0	N	N/A				
IPML-E	1151	0.0	N	N/A				
IPML-F	1154	0.0	N	N/A				
SAM-4/5	1156	0.0	N	N/A				
IPML-G	1158	0.0	N	N/A				
IPML-H	1200	0.0	N	N/A				

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 10/24/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.2

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.68/10.8
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1231	0.0	N	N/A				
IPML-A	1233	0.0	N	N/A				
SAM1.5	1235	0.0	N	N/A				
IPML-B	1237	0.0	N	N/A				
SAM-2	1239	0.0	N	N/A				
SAM-2.5	1241	0.0	N	N/A				
IPML-C	1243	0.0	N	N/A				
IPML-D	1245	0.0	N	N/A				
SAM-3	1247	0.0	N	N/A				
IPML-E	1249	0.0	N	N/A				
IPML-F	1251	0.0	N	N/A				
SAM-4/5	1253	0.0	N	N/A				
IPML-G	1255	0.0	N	N/A				
IPML-H	1257	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/24/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.2

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.68/10.8
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1332	0.0	N	N/A				
IPML-A	1334	0.0	N	N/A				
SAM1.5	1336	0.0	N	N/A				
IPML-B	1338	0.0	N	N/A				
SAM-2	1340	0.0	N	N/A				
SAM-2.5	1342	0.0	N	N/A				
IPML-C	1344	0.0	N	N/A				
IPML-D	1346	0.0	N	N/A				
SAM-3	1348	0.0	N	N/A				
IPML-E	1350	0.0	N	N/A				
IPML-F	1352	0.0	N	N/A				
SAM-4/5	1354	0.0	N	N/A				
IPML-G	1356	0.0	N	N/A				
IPML-H	1358	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/24/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.2

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.68/10.8
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1435	0.0	N	N/A				
IPML-A	1437	0.0	N	N/A				
SAM1.5	1440	0.0	N	N/A				
IPML-B	1442	0.0	N	N/A				
SAM-2	1444	0.0	N	N/A				
SAM-2.5	1446	0.0	N	N/A				
IPML-C	1448	0.0	N	N/A				
IPML-D	1450	0.0	N	N/A				
SAM-3	1452	0.0	N	N/A				
IPML-E	1454	0.0	N	N/A				
IPML-F	1456	0.0	N	N/A				
SAM-4/5	1458	0.0	N	N/A				
IPML-G	1500	0.0	N	N/A				
IPML-H	1502	0.0	N	N/A				

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/24/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.2

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.68/10.8
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1532	0.0	N	N/A				
IPML-A	1534	0.0	N	N/A				
SAM1.5	1536	0.0	N	N/A				
IPML-B	1538	0.0	N	N/A				
SAM-2	1540	0.0	N	N/A				
SAM-2.5	1542	0.0	N	N/A				
IPML-C	1544	0.0	N	N/A				
IPML-D	1546	0.0	N	N/A				
SAM-3	1548	0.0	N	N/A				
IPML-E	1550	0.0	N	N/A				
IPML-F	1552	0.0	N	N/A				
SAM-4/5	1554	0.0	N	N/A				
IPML-G	1556	0.0	N	N/A				
IPML-H	1558	0.0	N	N/A				

Additional Comments:	Last PID site walk @ 1532 - 1558
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
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Preliminary

PID & GC Readings

Date: 10/25/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.41/10.4
Calibration (ppm) (if functionality test fails)	NA

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)	
	PID Zero Air (0 ppm)	150	Notify Rolling Meadows Air Team if any tanks are below **50 psi.**
	PID Span (100 ppm Isobutylene)	25	
	Drager GC (10 ppm Isobutylene/Toluene)	300	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0716	0.0	N					
IPML-A	0718	0.0	N					
SAM1.5	0722	0.0	N					
IPML-B	0724	0.0	N					
SAM-2	0730	0.0	N					
SAM-2.5	0734	0.0	N					
IPML-C	0736	0.0	N					
IPML-D	0738	0.0	N					
SAM-3	0742	0.0	N					
IPML-E	0744	0.0	N					
IPML-F	0746	0.0	N					
SAM-4/5	0752	0.0	N					
IPML-G	0754	0.0	N					
IPML-H	0756	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/25/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.41/10.4
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0830	0.0	N					
IPML-A	0832	0.0	N					
SAM1.5	0834	0.0	N					
IPML-B	0836	0.0	N					
SAM-2	0838	0.0	N					
SAM-2.5	0840	0.0	N					
IPML-C	0842	0.0	N					
IPML-D	0844	0.0	N					
SAM-3	0846	0.0	N					
IPML-E	0848	0.0	N					
IPML-F	0850	0.0	N					
SAM-4/5	0852	0.0	N					
IPML-G	0854	0.0	N					
IPML-H	0856	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/25/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.41/10.4
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0934	0.0	N					
IPML-A	0936	0.0	N					
SAM1.5	0938	0.0	N					
IPML-B	0940	0.0	N					
SAM-2	0942	0.0	N					
SAM-2.5	0944	0.0	N					
IPML-C	0946	0.0	N					
IPML-D	0948	0.0	N					
SAM-3	0950	0.0	N					
IPML-E	0952	0.0	N					
IPML-F	0954	0.0	N					
SAM-4/5	0956	0.0	N					
IPML-G	0958	0.0	N					
IPML-H	1000	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/25/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.41/10.4
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1032	0.0	N					
IPML-A	1034	0.0	N					
SAM1.5	1036	0.0	N					
IPML-B	1038	0.0	N					
SAM-2	1040	0.0	N					
SAM-2.5	1042	0.0	N					
IPML-C	1044	0.0	N					
IPML-D	1046	0.0	N					
SAM-3	1048	0.0	N					
IPML-E	1050	0.0	N					
IPML-F	1052	0.0	N					
SAM-4/5	1054	0.0	N					
IPML-G	1056	0.0	N					
IPML-H	1058	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/25/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.41/10.4
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1131	0.0	N					
IPML-A	1133	0.0	N					
SAM1.5	1135	0.0	N					
IPML-B	1137	0.0	N					
SAM-2	1139	0.0	N					
SAM-2.5	1141	0.0	N					
IPML-C	1143	0.0	N					
IPML-D	1145	0.0	N					
SAM-3	1147	0.0	N					
IPML-E	1149	0.0	N					
IPML-F	1151	0.0	N					
SAM-4/5	1153	0.0	N					
IPML-G	1155	0.0	N					
IPML-H	1157	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/25/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.41/10.4
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1232	0.0	N					
IPML-A	1234	0.0	Y	Slight hydrocarbon-like odor				
SAM1.5	1236	0.0	N					
IPML-B	1238	0.0	N					
SAM-2	1240	0.0	N					
SAM-2.5	1242	0.0	N					
IPML-C	1244	0.0	N					
IPML-D	1246	0.0	N					
SAM-3	1248	0.0	N					
IPML-E	1250	0.0	N					
IPML-F	1252	0.0	N					
SAM-4/5	1254	0.0	N					
IPML-G	1256	0.0	N					
IPML-H	1258	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/25/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.41/10.4
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1332	0.0	N					
IPML-A	1334	0.0	N					
SAM1.5	1336	0.0	N					
IPML-B	1338	0.0	N					
SAM-2	1340	0.0	N					
SAM-2.5	1342	0.0	N					
IPML-C	1344	0.0	N					
IPML-D	1346	0.0	N					
SAM-3	1348	0.0	N					
IPML-E	1350	0.0	N					
IPML-F	1352	0.0	N					
SAM-4/5	1354	0.0	N					
IPML-G	1356	0.0	N					
IPML-H	1358	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 10/25/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.41/10.4
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1431	0.0	N					
IPML-A	1433	0.0	N					
SAM1.5	1435	0.0	N					
IPML-B	1437	0.0	N					
SAM-2	1439	0.0	N					
SAM-2.5	1441	0.0	N					
IPML-C	1443	0.0	N					
IPML-D	1445	0.0	N					
SAM-3	1447	0.0	N					
IPML-E	1449	0.0	N					
IPML-F	1451	0.0	N					
SAM-4/5	1455	0.0	N					
IPML-G	1457	0.0	N					
IPML-H	1459	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 10/25/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.41/10.4
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1530	0.0	N					
IPML-A	1532	0.0	N					
SAM1.5	1534	0.0	N					
IPML-B	1536	0.0	N					
SAM-2	1538	0.0	N					
SAM-2.5	1540	0.0	N					
IPML-C	1542	0.0	N					
IPML-D	1544	0.0	N					
SAM-3	1547	0.0	N					
IPML-E	1549	0.0	N					
IPML-F	1551	0.0	N					
SAM-4/5	1553	0.0	N					
IPML-G	1555	0.0	N					
IPML-H	1557	0.0	N					

Additional Comments:	Last PID site walk @ 1530 - 1557
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/26/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.16/9.85
Calibration (ppm) (if functionality test fails)	NA

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)	
	PID Zero Air (0 ppm)	150	Notify Rolling Meadows Air Team if any tanks are below **50 psi.**
	PID Span (100 ppm Isobutylene)	25	
	Drager GC (10 ppm Isobutylene/Toluene)	300	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0720	0.0	N					
IPML-A	0722	0.0	N					
SAM1.5	0727	0.0	N					
IPML-B	0729	0.0	N					
SAM-2	0734	0.0	N					
SAM-2.5	0738	0.0	N					
IPML-C	0740	0.0	N					
IPML-D	0742	0.0	N					
SAM-3	0746	0.0	N					
IPML-E	0748	0.0	N					
IPML-F	0750	0.0	N					
SAM-4/5	0800	0.0	N					
IPML-G	0803	0.0	N					
IPML-H	0805	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/26/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.16/9.85
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0933	0.0	N					
IPML-A	0935	0.0	N					
SAM1.5	0937	0.0	N					
IPML-B	0939	0.0	N					
SAM-2	0941	0.0	N					
SAM-2.5	0943	0.0	N					
IPML-C	0945	0.0	N					
IPML-D	0947	0.0	N					
SAM-3	0949	0.0	N					
IPML-E	0951	0.0	N					
IPML-F	0953	0.0	N					
SAM-4/5	0955	0.0	N					
IPML-G	0957	0.0	N					
IPML-H	0959	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/26/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.16/9.85
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1032	0.0	N					
IPML-A	1034	0.0	N					
SAM1.5	1036	0.0	N					
IPML-B	1038	0.0	N					
SAM-2	1040	0.0	N					
SAM-2.5	1042	0.0	N					
IPML-C	1044	0.0	N					
IPML-D	1046	0.0	N					
SAM-3	1048	0.0	N					
IPML-E	1050	0.0	N					
IPML-F	1052	0.0	N					
SAM-4/5	1054	0.0	N					
IPML-G	1056	0.0	N					
IPML-H	1058	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/26/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.16/9.85
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1135	0.0	N					
IPML-A	1137	0.0	N					
SAM1.5	1139	0.0	N					
IPML-B	1141	0.0	N					
SAM-2	1443	0.0	N					
SAM-2.5	1145	0.0	N					
IPML-C	1147	0.0	N					
IPML-D	1149	0.0	N					
SAM-3	1151	0.0	N					
IPML-E	1153	0.0	N					
IPML-F	1155	0.0	N					
SAM-4/5	1157	0.0	N					
IPML-G	1159	0.0	N					
IPML-H	1201	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/23/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.16/9.85
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1232	0.0	N					
IPML-A	1234	0.0	N					
SAM1.5	1236	0.0	N					
IPML-B	1238	0.0	N					
SAM-2	1240	0.0	N					
SAM-2.5	1242	0.0	N					
IPML-C	1244	0.0	N					
IPML-D	1246	0.0	N					
SAM-3	1248	0.0	N					
IPML-E	1250	0.0	N					
IPML-F	1252	0.0	N					
SAM-4/5	1255	0.0	N					
IPML-G	1257	0.0	N					
IPML-H	1259	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/26/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.16/9.85
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1340	0.0	N					
IPML-A	1343	0.0	N					
SAM1.5	1345	0.0	N					
IPML-B	1347	0.0	N					
SAM-2	1349	0.0	N					
SAM-2.5	1351	0.0	N					
IPML-C	1353	0.0	N					
IPML-D	1355	0.0	N					
SAM-3	1357	0.0	N					
IPML-E	1359	0.0	N					
IPML-F	1401	0.0	N					
SAM-4/5	1403	0.0	N					
IPML-G	1405	0.0	N					
IPML-H	1407	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/26/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.16/9.85
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1434	0.0	N					
IPML-A	1436	0.0	N					
SAM1.5	1438	0.0	N					
IPML-B	1440	0.0	N					
SAM-2	1442	0.0	N					
SAM-2.5	1444	0.0	N					
IPML-C	1446	0.0	N					
IPML-D	1448	0.0	N					
SAM-3	1450	0.0	N					
IPML-E	1452	0.0	N					
IPML-F	1554	0.0	N					
SAM-4/5	1556	0.0	N					
IPML-G	1558	0.0	N					
IPML-H	1600	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/26/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.16/9.85
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1535	0.0	N					
IPML-A	1537	0.0	N					
SAM1.5	1539	0.0	N					
IPML-B	1541	0.0	N					
SAM-2	1543	0.0	N					
SAM-2.5	1545	0.0	N					
IPML-C	1547	0.0	N					
IPML-D	1549	0.0	N					
SAM-3	1551	0.0	N					
IPML-E	1553	0.0	N					
IPML-F	1555	0.0	N					
SAM-4/5	1557	0.0	N					
IPML-G	1559	0.0	N					
IPML-H	1601	0.0	N					

Additional Comments:	Last PID site walk of the day @ 1535 - 1601
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/27/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	99.8

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	8.92/9.62
Calibration (ppm) (if functionality test fails)	NA

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)	
	PID Zero Air (0 ppm)	150	Notify Rolling Meadows Air Team if any tanks are below **50 psi.**
	PID Span (100 ppm Isobutylene)	25	
	Drager GC (10 ppm Isobutylene/Toluene)	300	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0803	0.0	N					
IPML-A	0801	0.0	N					
SAM1.5	0758	0.0	N					
IPML-B	0755	0.0	N					
SAM-2	0753	0.0	N					
SAM-2.5	0751	0.0	N					
IPML-C	0746	0.0	N					
IPML-D	0744	0.0	N					
SAM-3	0742	0.0	N					
IPML-E	0736	0.0	N					
IPML-F	0734	0.0	N					
SAM-4/5	0725	0.0	N					
IPML-G	0723	0.0	N					
IPML-H	0721	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/27/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	99.8

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	8.92/9.62
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0835	0.0	N					
IPML-A	0837	0.0	N					
SAM1.5	0839	0.0	N					
IPML-B	0841	0.0	N					
SAM-2	0843	0.0	N					
SAM-2.5	0845	0.0	N					
IPML-C	0847	0.0	N					
IPML-D	0849	0.0	N					
SAM-3	0851	0.0	N					
IPML-E	0853	0.0	N					
IPML-F	0855	0.0	N					
SAM-4/5	0857	0.0	N					
IPML-G	0859	0.0	N					
IPML-H	0901	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
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Preliminary

PID & GC Readings

Date: 10/27/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	99.8

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	8.92/9.62
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0931	0.0	N					
IPML-A	0933	0.0	N					
SAM1.5	0935	0.0	N					
IPML-B	0937	0.0	N					
SAM-2	0939	0.0	N					
SAM-2.5	0941	0.0	N					
IPML-C	0943	0.0	N					
IPML-D	0945	0.0	N					
SAM-3	0947	0.0	N					
IPML-E	0949	0.0	N					
IPML-F	0951	0.0	N					
SAM-4/5	0953	0.0	N					
IPML-G	0955	0.0	N					
IPML-H	0957	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/27/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	99.8

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	8.92/9.62
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1033	0.0	N					
IPML-A	1035	0.0	N					
SAM1.5	1037	0.0	N					
IPML-B	1039	0.0	N					
SAM-2	1042	0.0	N					
SAM-2.5	1044	0.0	N					
IPML-C	1046	0.0	N					
IPML-D	1048	0.0	N					
SAM-3	1053	0.0	N					
IPML-E	1055	0.0	N					
IPML-F	1057	0.0	N					
SAM-4/5	1100	0.0	N					
IPML-G	1102	0.0	N					
IPML-H	1104	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/27/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	99.8

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	8.92/9.62
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1133	0.0	N					
IPML-A	1135	0.0	N					
SAM1.5	1137	0.0	N					
IPML-B	1139	0.0	N					
SAM-2	1141	0.0	N					
SAM-2.5	1143	0.0	N					
IPML-C	1145	0.0	N					
IPML-D	1147	0.0	N					
SAM-3	1149	0.0	N					
IPML-E	1151	0.0	N					
IPML-F	1153	0.0	N					
SAM-4/5	1155	0.0	N					
IPML-G	1157	0.0	N					
IPML-H	1159	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 10/27/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	99.8

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	8.92/9.62
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1231	0.0	N					
IPML-A	1233	0.0	N					
SAM1.5	1235	0.0	N					
IPML-B	1237	0.0	N					
SAM-2	1239	0.0	N					
SAM-2.5	1241	0.0	N					
IPML-C	1243	0.0	N					
IPML-D	1245	0.0	N					
SAM-3	1247	0.0	N					
IPML-E	1249	0.0	N					
IPML-F	1251	0.0	N					
SAM-4/5	1253	0.0	N					
IPML-G	1255	0.0	N					
IPML-H	1257	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 10/27/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	99.8

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	8.92/9.62
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1332	0.0	N					
IPML-A	1334	0.0	N					
SAM1.5	1336	0.0	N					
IPML-B	1338	0.0	N					
SAM-2	1340	0.0	N					
SAM-2.5	1342	0.0	N					
IPML-C	1344	0.0	N					
IPML-D	1346	0.0	N					
SAM-3	1348	0.0	N					
IPML-E	1350	0.0	N					
IPML-F	1352	0.0	N					
SAM-4/5	1354	0.0	N					
IPML-G	1356	0.0	N					
IPML-H	1358	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 10/27/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	99.8

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	8.92/9.62
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1433	0.0	N					
IPML-A	1435	0.0	N					
SAM1.5	1437	0.0	N					
IPML-B	1439	0.0	N					
SAM-2	1441	0.0	N					
SAM-2.5	1443	0.0	N					
IPML-C	1445	0.0	N					
IPML-D	1447	0.0	N					
SAM-3	1449	0.0	N					
IPML-E	1451	0.0	N					
IPML-F	1453	0.0	N					
SAM-4/5	1456	0.0	N					
IPML-G	1458	0.0	N					
IPML-H	1500	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 10/27/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	99.8

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	8.92/9.62
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1530	0.0	N					
IPML-A	1532	0.0	N					
SAM1.5	1534	0.0	N					
IPML-B	1536	0.0	N					
SAM-2	1538	0.0	N					
SAM-2.5	1540	0.0	N					
IPML-C	1542	0.0	N					
IPML-D	1544	0.0	N					
SAM-3	1546	0.0	N					
IPML-E	1548	0.0	N					
IPML-F	1550	0.0	N					
SAM-4/5	1552	0.0	N					
IPML-G	1554	0.0	N					
IPML-H	1556	0.0	N					

Additional Comments:	Last PID site walk of the day @ 1530 - 1556
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 10/27/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.02/10.0
Calibration (ppm) (if functionality test fails)	NA

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)	
	PID Zero Air (0 ppm)	150	Notify Rolling Meadows Air Team if any tanks are below **50 psi.**
	PID Span (100 ppm Isobutylene)	250	
	Drager GC (10 ppm Isobutylene/Toluene)	300	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0657	0.0	N					
IPML-A	0659	0.0	N					
SAM1.5	0701	0.0	N					
IPML-B	0703	0.0	N					
SAM-2	0705	0.0	N					
SAM-2.5	0707	0.0	N					
IPML-C	0709	0.0	N					
IPML-D	0711	0.0	N					
SAM-3	0713	0.0	N					
IPML-E	0715	0.0	N					
IPML-F	0717	0.0	N					
SAM-4/5	0719	0.0	N					
IPML-G	0721	0.0	N					
IPML-H	0723	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 10/28/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.02/10.0
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0803	0.0	N					
IPML-A	0805	0.0	N					
SAM1.5	0809	0.0	N					
IPML-B	0811	0.0	N					
SAM-2	0815	0.0	N					
SAM-2.5	0818	0.0	N					
IPML-C	0820	0.0	N					
IPML-D	0822	0.0	N					
SAM-3	0824	0.0	N					
IPML-E	0826	0.0	N					
IPML-F	0828	0.0	N					
SAM-4/5	0834	0.0	N					
IPML-G	0836	0.0	N					
IPML-H	0838	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 10/28/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.02/10.0
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0915	0.0	N					
IPML-A	0917	0.0	N					
SAM1.5	0919	0.0	N					
IPML-B	0921	0.0	N					
SAM-2	0923	0.0	N					
SAM-2.5	0925	0.0	N					
IPML-C	0927	0.0	N					
IPML-D	0929	0.0	N					
SAM-3	0931	0.0	N					
IPML-E	0933	0.0	N					
IPML-F	0935	0.0	N					
SAM-4/5	0937	0.0	N					
IPML-G	0939	0.0	N					
IPML-H	0941	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/28/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.02/10.0
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1003	0.0	N					
IPML-A	1005	0.0	N					
SAM-1.5	1007	0.0	N					
IPML-B	1009	0.0	N					
SAM-2	1011	0.0	N					
SAM-2.5	1013	0.0	N					
IPML-C	1015	0.0	N					
IPML-D	1017	0.0	N					
SAM-3	1019	0.0	N					
IPML-E	1021	0.0	N					
IPML-F	1023	0.0	N					
SAM-4/5	1025	0.0	N					
IPML-G	1027	0.0	N					
IPML-H	1029	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 10/28/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.02/10.0
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1102	0.0	N					
IPML-A	1112	0.0	N					
SAM1.5	1120	0.0	N					
IPML-B	1122	0.0	N					
SAM-2	1127	0.0	N					
SAM-2.5	1132	0.0	N					
IPML-C	1134	0.0	N					
IPML-D	1136	0.0	N					
SAM-3	1141	0.0	N					
IPML-E	1143	0.0	N					
IPML-F	1145	0.0	N					
SAM-4/5	1153	0.0	N					
IPML-G	1155	0.0	N					
IPML-H	1157	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 10/28/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.02/10.0
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1202	0.0	N					
IPML-A	1204	0.0	N					
SAM1.5	1206	0.0	N					
IPML-B	1208	0.0	N					
SAM-2	1210	0.0	N					
SAM-2.5	1212	0.0	N					
IPML-C	1214	0.0	N					
IPML-D	1216	0.0	N					
SAM-3	1218	0.0	N					
IPML-E	1220	0.0	N					
IPML-F	1222	0.0	N					
SAM-4/5	1224	0.0	N					
IPML-G	1226	0.0	N					
IPML-H	1228	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/28/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.02/10.0
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1303	0.0	N					
IPML-A	1305	0.0	N					
SAM1.5	1307	0.0	N					
IPML-B	1309	0.0	N					
SAM-2	1311	0.0	N					
SAM-2.5	1313	0.0	N					
IPML-C	1315	0.0	N					
IPML-D	1317	0.0	N					
SAM-3	1319	0.0	N					
IPML-E	1321	0.0	N					
IPML-F	1323	0.0	N					
SAM-4/5	1325	0.0	N					
IPML-G	1327	0.0	N					
IPML-H	1329	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/28/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.02/10.0
Calibration (ppm) (if functionality test fails)	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1400	0.0	N					
IPML-A	1402	0.0	N					
SAM1.5	1404	0.0	N					
IPML-B	1406	0.0	N					
SAM-2	1408	0.0	N					
SAM-2.5	1410	0.0	N					
IPML-C	1412	0.0	N					
IPML-D	1414	0.0	N					
SAM-3	1416	0.0	N					
IPML-E	1418	0.0	N					
IPML-F	1420	0.0	N					
SAM-4/5	1422	0.0	N					
IPML-G	1424	0.0	N					
IPML-H	1426	0.0	N					

Additional Comments:	Last PID site walk of the day @ 1400 - 1426
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/30/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	8.84/10.2
Calibration (ppm) (if functionality test fails)	N/A

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)	
	PID Zero Air (0 ppm)	130	Notify Rolling Meadows Air Team if any tanks are below **50 psi.**
	PID Span (100 ppm Isobutylene)	230	
	Drager GC (10 ppm Isobutylene/Toluene)	200	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0743	0.0	N					
IPML-A	0746	0.0	N					
SAM1.5	0749	0.0	N					
IPML-B	0800	0.0	N					
SAM-2	0803	0.0	N					
SAM-2.5	0839	0.0	N					
IPML-C	0903	0.0	N					
IPML-D	0905	0.0	N					
SAM-3	0907	0.0	N					
IPML-E	0935	0.0	N					
IPML-F	0937	0.0	N					
SAM-4/5	0940	0.0	N					
IPML-G	1000	0.0	N					
IPML-H	1002	0.0	N					

Additional Comments:	0700 Readings lasted into 1000 hour because of E-sampler calibrations, PUF samples installations and battery changes
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/30/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	8.84/10.2
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1034	0.0	N					
IPML-A	1036	0.0	N					
SAM1.5	1038	0.0	N					
IPML-B	1040	0.0	N					
SAM-2	1043	0.0	N					
SAM-2.5	1048	0.0	N					
IPML-C	1050	0.0	N					
IPML-D	1052	0.0	N					
SAM-3	1054	0.0	N					
IPML-E	1056	0.0	N					
IPML-F	1058	0.0	N					
SAM-4/5	1100	0.0	N					
IPML-G	1102	0.0	N					
IPML-H	1104	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
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Preliminary

PID & GC Readings

Date: 10/30/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	8.84/10.2
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1111	0.0	N					
IPML-A	1113	0.0	N					
SAM1.5	1115	0.0	N					
IPML-B	1117	0.0	N					
SAM-2	1119	0.0	N					
SAM-2.5	1121	0.0	N					
IPML-C	1123	0.0	N					
IPML-D	1125	0.0	N					
SAM-3	1127	0.0	N					
IPML-E	1129	0.0	N					
IPML-F	1131	0.0	N					
SAM-4/5	1133	0.0	N					
IPML-G	1135	0.0	N					
IPML-H	1137	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
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Preliminary

PID & GC Readings

Date: 10/30/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	8.84/10.2
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1223	0.0	N					
IPML-A	1225	0.0	N					
SAM1.5	1227	0.0	N					
IPML-B	1229	0.0	N					
SAM-2	1231	0.0	N					
SAM-2.5	1233	0.0	N					
IPML-C	1235	0.0	N					
IPML-D	1237	0.0	N					
SAM-3	1239	0.0	N					
IPML-E	1241	0.0	N					
IPML-F	1243	0.0	N					
SAM-4/5	1245	0.0	N					
IPML-G	1247	0.0	N					
IPML-H	1249	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 10/30/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	8.84/10.2
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1319	0.0	N					
IPML-A	1321	0.0	N					
SAM1.5	1323	0.0	N					
IPML-B	1325	0.0	N					
SAM-2	1327	0.0	N					
SAM-2.5	1329	0.0	N					
IPML-C	1331	0.0	N					
IPML-D	1333	0.0	N					
SAM-3	1335	0.0	N					
IPML-E	1337	0.0	N					
IPML-F	1339	0.0	N					
SAM-4/5	1341	0.0	N					
IPML-G	1343	0.0	N					
IPML-H	1345	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/30/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	8.84/10.2
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1418	0.0	N					
IPML-A	1420	0.0	N					
SAM1.5	1422	0.0	N					
IPML-B	1424	0.0	N					
SAM-2	1426	0.0	N					
SAM-2.5	1428	0.0	N					
IPML-C	1430	0.0	N					
IPML-D	1432	0.0	N					
SAM-3	1434	0.0	N					
IPML-E	1436	0.0	N					
IPML-F	1438	0.0	N					
SAM-4/5	1440	0.0	N					
IPML-G	1442	0.0	N					
IPML-H	1444	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/30/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	8.84/10.2
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1503	0.0	N					
IPML-A	1505	0.0	N					
SAM1.5	1507	0.0	N					
IPML-B	1509	0.0	N					
SAM-2	1511	0.0	N					
SAM-2.5	1513	0.0	N					
IPML-C	1516	0.0	N					
IPML-D	1518	0.0	N					
SAM-3	1520	0.0	N					
IPML-E	1523	0.0	N					
IPML-F	1525	0.0	N					
SAM-4/5	1528	0.0	N					
IPML-G	1530	0.0	N					
IPML-H	1532	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/31/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	8.60/9.03
Calibration (ppm) (if functionality test fails)	N/A

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)	
	PID Zero Air (0 ppm)	125	Notify Rolling Meadows Air Team if any tanks are below **50 psi.**
	PID Span (100 ppm Isobutylene)	230	
	Drager GC (10 ppm Isobutylene/Toluene)	200	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0727	0.0	N					
IPML-A	0730	0.0	N					
SAM1.5	0732	0.0	N					
IPML-B	0737	0.0	N					
SAM-2	0740	0.0	N					
SAM-2.5	0742	0.0	N					
IPML-C	0746	0.0	N					
IPML-D	0748	0.0	N					
SAM-3	0750	0.0	N					
IPML-E	0757	0.1	N					
IPML-F	0759	0.1	N					
SAM-4/5	0801	0.1	N					
IPML-G	0804	0.1	N					
IPML-H	0806	0.1	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/31/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	8.60/9.03
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1008	0.0	N					
IPML-A	1010	0.0	N					
SAM1.5	1012	0.0	N					
IPML-B	1014	0.0	N					
SAM-2	1016	0.0	N					
SAM-2.5	1018	0.0	N					
IPML-C	1020	0.0	N					
IPML-D	1022	0.0	N					
SAM-3	1024	0.0	N					
IPML-E	1026	0.0	N					
IPML-F	1028	0.0	N					
SAM-4/5	1030	0.0	N					
IPML-G	1032	0.0	N					
IPML-H	1034	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/31/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	8.60/9.03
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1115	0.0	N					
IPML-A	1117	0.0	N					
SAM1.5	1119	0.0	N					
IPML-B	1121	0.0	N					
SAM-2	1123	0.0	N					
SAM-2.5	1125	0.0	N					
IPML-C	1127	0.0	N					
IPML-D	1129	0.0	N					
SAM-3	1131	0.0	N					
IPML-E	1133	0.0	N					
IPML-F	1135	0.0	N					
SAM-4/5	1137	0.1	N					
IPML-G	1139	0.1	N					
IPML-H	1141	0.1	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/31/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	8.60/9.03
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1219	0.0	N					
IPML-A	1221	0.0	N					
SAM1.5	1223	0.0	N					
IPML-B	1225	0.0	N					
SAM-2	1227	0.0	N					
SAM-2.5	1229	0.0	N					
IPML-C	1233	0.0	N					
IPML-D	1235	0.0	N					
SAM-3	1237	0.0	N					
IPML-E	1239	0.1	N					
IPML-F	1241	0.1	N					
SAM-4/5	1243	0.1	N					
IPML-G	1245	0.1	N					
IPML-H	1247	0.1	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/31/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	8.60/9.03
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1313	0.0	N					
IPML-A	1315	0.0	N					
SAM1.5	1317	0.0	N					
IPML-B	1319	0.0	N					
SAM-2	1321	0.0	N					
SAM-2.5	1323	0.0	N					
IPML-C	1325	0.0	N					
IPML-D	1327	0.0	N					
SAM-3	1329	0.0	N					
IPML-E	1331	0.0	N					
IPML-F	1333	0.0	N					
SAM-4/5	1335	0.0	N					
IPML-G	1337	0.1	N					
IPML-H	1339	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/31/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	8.60/9.03
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1409	0.0	N					
IPML-A	1411	0.0	N					
SAM1.5	1413	0.0	N					
IPML-B	1415	0.0	N					
SAM-2	1417	0.0	N					
SAM-2.5	1419	0.0	N					
IPML-C	1421	0.0	N					
IPML-D	1423	0.0	N					
SAM-3	1425	0.0	N					
IPML-E	1427	0.0	N					
IPML-F	1429	0.0	N					
SAM-4/5	1431	0.0	N					
IPML-G	1433	0.1	N					
IPML-H	1435	0.1	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/31/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	8.60/9.03
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1503	0.0	N					
IPML-A	1505	0.0	N					
SAM1.5	1507	0.0	N					
IPML-B	1509	0.0	N					
SAM-2	1511	0.0	N					
SAM-2.5	1513	0.0	N					
IPML-C	1515	0.0	N					
IPML-D	1517	0.0	N					
SAM-3	1519	0.0	N					
IPML-E	1521	0.0	N					
IPML-F	1523	0.0	N					
SAM-4/5	1525	0.1	N					
IPML-G	1527	0.1	N					
IPML-H	1529	0.1	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/01/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.26/9.60
Calibration (ppm) (if functionality test fails)	N/A

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)	Notify Rolling Meadows Air Team if any tanks are below **50 psi.**
	PID Zero Air (0 ppm)	115	
	PID Span (100 ppm Isobutylene)	230	
	Drager GC (10 ppm Isobutylene/Toluene)	200	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0731	0.0	N					
IPML-A	0733	0.0	N					
SAM1.5	0735	0.0	N					
IPML-B	0737	0.0	N					
SAM-2	0739	0.0	N					
SAM-2.5	0742	0.0	N					
IPML-C	0744	0.0	N					
IPML-D	0746	0.0	N					
SAM-3	0748	0.0	N					
IPML-E	0750	0.0	N					
IPML-F	0752	0.0	N					
SAM-4/5	0754	0.0	N					
IPML-G	0758	0.1	N					
IPML-H	0800	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/01/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.26/9.60
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0818	0.1	N					
IPML-A	0820	0.1	N					
SAM1.5	0822	0.1	N					
IPML-B	0824	0.0	N					
SAM-2	0826	0.0	N					
SAM-2.5	0828	0.0	N					
IPML-C	0830	0.0	N					
IPML-D	0832	0.1	N					
SAM-3	0834	0.1	N					
IPML-E	0836	0.1	N					
IPML-F	0838	0.1	N					
SAM-4/5	0840	0.1	N					
IPML-G	0842	0.1	N					
IPML-H	0844	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/01/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.26/9.60
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0919	0.0	N					
IPML-A	0921	0.0	N					
SAM1.5	0923	0.0	N					
IPML-B	0925	0.0	N					
SAM-2	0927	0.0	N					
SAM-2.5	0929	0.0	N					
IPML-C	0931	0.0	N					
IPML-D	0933	0.0	N					
SAM-3	0935	0.0	N					
IPML-E	0937	0.0	N					
IPML-F	0939	0.0	N					
SAM-4/5	0941	0.0	N					
IPML-G	0943	0.0	N					
IPML-H	0945	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/01/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.26/9.60
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1005	0.0	N					
IPML-A	1007	0.0	N					
SAM1.5	1009	0.0	N					
IPML-B	1011	0.0	N					
SAM-2	1013	0.0	N					
SAM-2.5	1015	0.0	N					
IPML-C	1017	0.0	N					
IPML-D	1019	0.0	N					
SAM-3	1021	0.0	N					
IPML-E	1023	0.0	N					
IPML-F	1025	0.0	N					
SAM-4/5	1027	0.0	N					
IPML-G	1029	0.0	N					
IPML-H	1031	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/01/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.26/9.60
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1107	0.0	N					
IPML-A	1109	0.0	N					
SAM1.5	1111	0.0	N					
IPML-B	1113	0.0	N					
SAM-2	1115	0.0	N					
SAM-2.5	1117	0.0	N					
IPML-C	1119	0.0	N					
IPML-D	1121	0.0	N					
SAM-3	1123	0.0	N					
IPML-E	1125	0.0	N					
IPML-F	1127	0.0	N					
SAM-4/5	1129	0.0	N					
IPML-G	1131	0.0	N					
IPML-H	1133	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/01/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.26/9.60
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1204	0.0	N					
IPML-A	1206	0.0	N					
SAM1.5	1208	0.0	N					
IPML-B	1210	0.0	N					
SAM-2	1212	0.0	N					
SAM-2.5	1214	0.0	N					
IPML-C	1216	0.0	N					
IPML-D	1218	0.0	N					
SAM-3	1220	0.0	N					
IPML-E	1222	0.0	N					
IPML-F	1224	0.0	N					
SAM-4/5	1226	0.0	N					
IPML-G	1228	0.0	N					
IPML-H	1230	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/01/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.26/9.60
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1350	0.0	N					
IPML-A	1352	0.0	N					
SAM1.5	1354	0.0	N					
IPML-B	1356	0.0	N					
SAM-2	1358	0.0	N					
SAM-2.5	1400	0.0	N					
IPML-C	1402	0.0	N					
IPML-D	1404	0.0	N					
SAM-3	1406	0.0	N					
IPML-E	1408	0.0	N					
IPML-F	1410	0.0	N					
SAM-4/5	1412	0.0	N					
IPML-G	1414	0.0	N					
IPML-H	1416	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/01/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.26/9.60
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1418	0.0	N					
IPML-A	1420	0.0	N					
SAM1.5	1422	0.0	N					
IPML-B	1424	0.0	N					
SAM-2	1426	0.0	N					
SAM-2.5	1428	0.0	N					
IPML-C	1430	0.0	N					
IPML-D	1432	0.0	N					
SAM-3	1434	0.0	N					
IPML-E	1436	0.0	N					
IPML-F	1438	0.0	N					
SAM-4/5	1440	0.0	N					
IPML-G	1442	0.0	N					
IPML-H	1444	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/01/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.26/9.60
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1504	0.0	N					
IPML-A	1507	0.0	N					
SAM1.5	1510	0.0	N					
IPML-B	1512	0.0	N					
SAM-2	1514	0.0	N					
SAM-2.5	1516	0.0	N					
IPML-C	1518	0.0	N					
IPML-D	1520	0.0	N					
SAM-3	1523	0.0	N					
IPML-E	1525	0.0	N					
IPML-F	1527	0.0	N					
SAM-4/5	1529	0.0	N					
IPML-G	1531	0.0	N					
IPML-H	1533	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/02/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.46/10.1
Calibration (ppm) (if functionality test fails)	N/A

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)	Notify Rolling Meadows Air Team if any tanks are below **50 psi.**
	PID Zero Air (0 ppm)	110	
	PID Span (100 ppm Isobutylene)	225	
	Drager GC (10 ppm Isobutylene/Toluene)	180	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0738	0.0	N					
IPML-A	0747	0.0	N					
SAM1.5	0749	0.0	N					
IPML-B	0759	0.0	N					
SAM-2	0801	0.0	N					
SAM-2.5	0810	0.0	N					
IPML-C	0818	0.0	N					
IPML-D	0820	0.0	N					
SAM-3	0822	0.0	N					
IPML-E	0830	0.1	N					
IPML-F	0832	0.1	N					
SAM-4/5	0834	0.1	N					
IPML-G	0836	0.1	N					
IPML-H	0838	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 11/02/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.46/10.1
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0916	0.1	N					
IPML-A	0918	0.1	N					
SAM1.5	0920	0.1	N					
IPML-B	0922	0.1	N					
SAM-2	0924	0.1	N					
SAM-2.5	0926	0.1	N					
IPML-C	0928	0.1	N					
IPML-D	0930	0.1	N					
SAM-3	0932	0.1	N					
IPML-E	0934	0.1	N					
IPML-F	0936	0.1	N					
SAM-4/5	0938	0.1	N					
IPML-G	0940	0.1	N					
IPML-H	0942	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/02/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.46/10.1
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1024	0.0	N					
IPML-A	1026	0.0	N					
SAM1.5	1028	0.0	N					
IPML-B	1030	0.0	N					
SAM-2	1032	0.0	N					
SAM-2.5	1034	0.0	N					
IPML-C	1036	0.0	N					
IPML-D	1038	0.0	N					
SAM-3	1040	0.0	N					
IPML-E	1042	0.0	N					
IPML-F	1044	0.0	N					
SAM-4/5	1046	0.0	N					
IPML-G	1048	0.0	N					
IPML-H	1050	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/02/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.46/10.1
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1121	0.0	N					
IPML-A	1123	0.0	N					
SAM1.5	1125	0.0	N					
IPML-B	1127	0.0	N					
SAM-2	1129	0.0	N					
SAM-2.5	1131	0.0	N					
IPML-C	1133	0.0	N					
IPML-D	1135	0.0	N					
SAM-3	1137	0.0	N					
IPML-E	1139	0.0	N					
IPML-F	1141	0.0	N					
SAM-4/5	1143	0.0	N					
IPML-G	1145	0.0	N					
IPML-H	1147	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/02/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.46/10.1
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1235	0.0	N					
IPML-A	1237	0.0	N					
SAM1.5	1239	0.0	N					
IPML-B	1241	0.0	N					
SAM-2	1243	0.0	N					
SAM-2.5	1245	0.0	N					
IPML-C	1247	0.0	N					
IPML-D	1249	0.0	N					
SAM-3	1251	0.0	N					
IPML-E	1253	0.0	N					
IPML-F	1255	0.0	N					
SAM-4/5	1257	0.0	N					
IPML-G	1259	0.0	N					
IPML-H	1301	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/02/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.46/10.1
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1303	0.0	N					
IPML-A	1305	0.0	N					
SAM1.5	1307	0.0	N					
IPML-B	1309	0.0	N					
SAM-2	1311	0.0	N					
SAM-2.5	1313	0.0	N					
IPML-C	1315	0.0	N					
IPML-D	1317	0.0	N					
SAM-3	1319	0.0	N					
IPML-E	1321	0.0	N					
IPML-F	1323	0.0	N					
SAM-4/5	1325	0.0	N					
IPML-G	1327	0.0	N					
IPML-H	1329	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/02/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.46/10.1
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1404	0.0	N					
IPML-A	1406	0.0	N					
SAM1.5	1408	0.0	N					
IPML-B	1410	0.0	N					
SAM-2	1412	0.0	N					
SAM-2.5	1414	0.0	N					
IPML-C	1416	0.0	N					
IPML-D	1418	0.0	N					
SAM-3	1420	0.0	N					
IPML-E	1422	0.0	N					
IPML-F	1424	0.0	N					
SAM-4/5	1426	0.0	N					
IPML-G	1428	0.0	N					
IPML-H	1430	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/02/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.46/10.1
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1504	0.0	N					
IPML-A	1506	0.0	N					
SAM1.5	1509	0.0	N					
IPML-B	1511	0.0	N					
SAM-2	1514	0.0	N					
SAM-2.5	1516	0.0	N					
IPML-C	1518	0.0	N					
IPML-D	1520	0.0	N					
SAM-3	1530	0.0	N					
IPML-E	1532	0.0	N					
IPML-F	1534	0.0	N					
SAM-4/5	1538	0.0	N					
IPML-G	1540	0.0	N					
IPML-H	1542	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/03/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.57/11.0
Calibration (ppm) (if functionality test fails)	N/A

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)	Notify Rolling Meadows Air Team if any tanks are below **50 psi.**
	PID Zero Air (0 ppm)	100	
	PID Span (100 ppm Isobutylene)	175	
	Drager GC (10 ppm Isobutylene/Toluene)	175	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0727	0.0	N					
IPML-A	0732	0.0	N					
SAM1.5	0734	0.0	N					
IPML-B	0736	0.0	N					
SAM-2	0738	0.0	N					
SAM-2.5	0740	0.0	N					
IPML-C	0743	0.0	N					
IPML-D	0745	0.0	N					
SAM-3	0747	0.0	N					
IPML-E	0750	0.0	N					
IPML-F	0753	0.0	N					
SAM-4/5	0755	0.0	N					
IPML-G	0805	0.0	N					
IPML-H	0807	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/03/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.57/11.0
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0813	0.0	N					
IPML-A	0815	0.0	N					
SAM1.5	0817	0.0	N					
IPML-B	0819	0.0	N					
SAM-2	0821	0.0	N					
SAM-2.5	0823	0.0	N					
IPML-C	0825	0.0	N					
IPML-D	0827	0.0	N					
SAM-3	0829	0.0	N					
IPML-E	0831	0.0	N					
IPML-F	0833	0.0	N					
SAM-4/5	0835	0.0	N					
IPML-G	0837	0.0	N					
IPML-H	0839	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/03/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.57/11.0
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0913	0.0	N					
IPML-A	0915	0.0	N					
SAM1.5	0917	0.0	N					
IPML-B	0919	0.0	N					
SAM-2	0921	0.0	N					
SAM-2.5	0923	0.0	N					
IPML-C	0925	0.0	N					
IPML-D	0927	0.0	N					
SAM-3	0929	0.0	N					
IPML-E	0931	0.0	N					
IPML-F	0933	0.0	N					
SAM-4/5	0935	0.0	N					
IPML-G	0937	0.0	N					
IPML-H	0939	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/03/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.57/11.0
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1026	0.0	N					
IPML-A	1028	0.0	N					
SAM1.5	1030	0.0	N					
IPML-B	1032	0.0	N					
SAM-2	1037	0.0	Y	Faint hydrocarbon-like odor				
SAM-2.5	1039	0.0	N					
IPML-C	1041	0.0	N					
IPML-D	1043	0.0	N					
SAM-3	1045	0.0	N					
IPML-E	1047	0.0	N					
IPML-F	1049	0.0	N					
SAM-4/5	1051	0.0	N					
IPML-G	1053	0.0	N					
IPML-H	1055	0.0	N					

Additional Comments:	Odor was smelt after Forgen moved dirt around.

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/03/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.57/11.0
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1100	0.0	N					
IPML-A	1102	0.0	N					
SAM1.5	1104	0.0	N					
IPML-B	1106	0.0	N					
SAM-2	1108	0.0	N					
SAM-2.5	1110	0.0	Y	Faint hydrocarbon-like odor				
IPML-C	1112	0.0	N					
IPML-D	1114	0.0	N					
SAM-3	1116	0.0	N					
IPML-E	1118	0.0	N					
IPML-F	1120	0.0	N					
SAM-4/5	1122	0.0	N					
IPML-G	1124	0.0	N					
IPML-H	1126	0.0	N					

Additional Comments:	Odor still lingered from Forgen dirt work.

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
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Preliminary

PID & GC Readings

Date: 11/03/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.57/11.0
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1203	0.0	N					
IPML-A	1205	0.0	N					
SAM1.5	1207	0.0	N					
IPML-B	1209	0.0	N					
SAM-2	1211	0.0	N					
SAM-2.5	1213	0.0	N					
IPML-C	1215	0.0	N					
IPML-D	1217	0.0	N					
SAM-3	1219	0.0	N					
IPML-E	1221	0.0	N					
IPML-F	1223	0.0	N					
SAM-4/5	1225	0.0	N					
IPML-G	1227	0.0	N					
IPML-H	1229	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
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Preliminary

PID & GC Readings

Date: 11/03/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.57/11.0
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1316	0.0	N					
IPML-A	1318	0.0	N					
SAM1.5	1320	0.0	N					
IPML-B	1322	0.0	N					
SAM-2	1324	0.0	N					
SAM-2.5	1326	0.0	N					
IPML-C	1328	0.0	N					
IPML-D	1330	0.0	N					
SAM-3	1332	0.0	N					
IPML-E	1334	0.0	N					
IPML-F	1336	0.0	N					
SAM-4/5	1338	0.0	N					
IPML-G	1340	0.0	N					
IPML-H	1342	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
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Preliminary

PID & GC Readings

Date: 11/03/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.57/11.0
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1410	0.0	N					
IPML-A	1412	0.0	N					
SAM1.5	1414	0.0	N					
IPML-B	1416	0.0	N					
SAM-2	1418	0.0	N					
SAM-2.5	1420	0.0	N					
IPML-C	1422	0.0	N					
IPML-D	1424	0.0	N					
SAM-3	1426	0.0	N					
IPML-E	1428	0.0	N					
IPML-F	1430	0.0	N					
SAM-4/5	1432	0.0	N					
IPML-G	1434	0.0	N					
IPML-H	1436	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/03/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.57/11.0
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1501	0.0	N					
IPML-A	1503	0.0	N					
SAM1.5	1505	0.0	N					
IPML-B	1507	0.0	N					
SAM-2	1510	0.0	N					
SAM-2.5	1513	0.0	N					
IPML-C	1515	0.0	N					
IPML-D	1517	0.0	N					
SAM-3	1520	0.0	N					
IPML-E	1522	0.0	N					
IPML-F	1524	0.0	N					
SAM-4/5	1526	0.0	N					
IPML-G	1530	0.0	N					
IPML-H	1532	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/04/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.55/11.4
Calibration (ppm) (if functionality test fails)	N/A

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)	Notify Rolling Meadows Air Team if any tanks are below **50 psi.**
	PID Zero Air (0 ppm)	100	
	PID Span (100 ppm Isobutylene)	175	
	Drager GC (10 ppm Isobutylene/Toluene)	175	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0706	0.0	N					
IPML-A	0709	0.0	N					
SAM1.5	0711	0.0	N					
IPML-B	0714	0.0	N					
SAM-2	0716	0.0	N					
SAM-2.5	0720	0.0	N					
IPML-C	0723	0.0	N					
IPML-D	0725	0.0	N					
SAM-3	0727	0.0	N					
IPML-E	0729	0.0	N					
IPML-F	0731	0.0	N					
SAM-4/5	0733	0.0	N					
IPML-G	0738	0.0	N					
IPML-H	0740	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/04/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.55/11.4
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0815	0.0	N					
IPML-A	0817	0.0	N					
SAM1.5	0819	0.0	N					
IPML-B	0821	0.0	N					
SAM-2	0823	0.0	N					
SAM-2.5	0825	0.0	N					
IPML-C	0827	0.0	N					
IPML-D	0829	0.0	N					
SAM-3	0831	0.0	N					
IPML-E	0833	0.0	N					
IPML-F	0835	0.0	N					
SAM-4/5	0837	0.0	N					
IPML-G	0839	0.0	N					
IPML-H	0841	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/04/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.55/11.4
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0902	0.0	N					
IPML-A	0904	0.0	N					
SAM1.5	0906	0.0	N					
IPML-B	0908	0.0	N					
SAM-2	0910	0.0	N					
SAM-2.5	0912	0.0	N					
IPML-C	0915	0.0	N					
IPML-D	0917	0.0	N					
SAM-3	0919	0.0	N					
IPML-E	0921	0.0	N					
IPML-F	0923	0.0	N					
SAM-4/5	0925	0.0	N					
IPML-G	0927	0.0	N					
IPML-H	0929	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/04/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.55/11.4
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1004	0.0	N					
IPML-A	1006	0.0	N					
SAM1.5	1008	0.0	N					
IPML-B	1010	0.0	N					
SAM-2	1012	0.0	N					
SAM-2.5	1014	0.0	N					
IPML-C	1017	0.0	N					
IPML-D	1019	0.0	N					
SAM-3	1021	0.0	N					
IPML-E	1023	0.0	N					
IPML-F	1025	0.0	N					
SAM-4/5	1027	0.0	N					
IPML-G	1029	0.0	N					
IPML-H	1031	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/04/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.55/11.4
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1101	0.0	N					
IPML-A	1103	0.0	N					
SAM1.5	1105	0.0	N					
IPML-B	1107	0.0	N					
SAM-2	1109	0.0	N					
SAM-2.5	1111	0.0	N					
IPML-C	1113	0.0	N					
IPML-D	1115	0.0	N					
SAM-3	1117	0.0	N					
IPML-E	1119	0.0	N					
IPML-F	1121	0.0	N					
SAM-4/5	1123	0.0	N					
IPML-G	1125	0.0	N					
IPML-H	1127	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/04/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.55/11.4
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1204	0.0	N					
IPML-A	1206	0.0	N					
SAM1.5	1208	0.0	N					
IPML-B	1210	0.0	N					
SAM-2	1212	0.0	N					
SAM-2.5	1214	0.0	N					
IPML-C	1216	0.0	N					
IPML-D	1218	0.0	N					
SAM-3	1220	0.0	N					
IPML-E	1222	0.0	N					
IPML-F	1224	0.0	N					
SAM-4/5	1226	0.0	N					
IPML-G	1228	0.0	N					
IPML-H	1230	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/04/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.55/11.4
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1302	0.0	N					
IPML-A	1307	0.0	N					
SAM1.5	1309	0.0	N					
IPML-B	1314	0.0	N					
SAM-2	1316	0.0	N					
SAM-2.5	1324	0.0	N					
IPML-C	1327	0.0	N					
IPML-D	1329	0.0	N					
SAM-3	1331	0.0	N					
IPML-E	1337	0.0	N					
IPML-F	1339	0.0	N					
SAM-4/5	1341	0.0	N					
IPML-G	1353	0.0	N					
IPML-H	1355	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/04/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.55/11.4
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1400	0.0	N					
IPML-A	1402	0.0	N					
SAM1.5	1404	0.0	N					
IPML-B	1406	0.0	N					
SAM-2	1408	0.0	N					
SAM-2.5	1412	0.0	N					
IPML-C	1414	0.0	N					
IPML-D	1416	0.0	N					
SAM-3	1418	0.0	N					
IPML-E	1420	0.0	N					
IPML-F	1422	0.0	N					
SAM-4/5	1424	0.0	N					
IPML-G	1429	0.0	N					
IPML-H	1431	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 11/06/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	N/A
Calibration (ppm) (if functionality test fails)	N/A

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	125
	PID Span (100 ppm Isobutylene)	175
	Drager GC (10 ppm Isobutylene/Toluene)	

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0743	0.1	NO					
IPML-A	0745	0.0	NO					
SAM1.5	0747	0.0	NO					
IPML-B	0750	0.0	NO					
SAM-2	0752	0.1	NO					
SAM-2.5	0755	0.1	NO					
IPML-C	0759	0.0	NO					
IPML-D	0801	0.0	NO					
SAM-3	0803	0.0	NO					
IPML-E	0806	0.0	NO					
IPML-F	0808	0.0	NO					
SAM-4/5	0810	0.0	NO					
IPML-G	0818	0.0	NO					
IPML-H	0820	0.0	NO					

Additional Comments:	Unable to calibrate GC Drager due to being left off the charger over the weekend

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/06/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	N/A
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0910	0.0	NO					
IPML-A	0912	0.0	NO					
SAM1.5	0914	0.0	NO					
IPML-B	0916	0.0	NO					
SAM-2	0918	0.0	NO					
SAM-2.5	0920	0.0	NO					
IPML-C	0922	0.0	NO					
IPML-D	0924	0.0	NO					
SAM-3	0926	0.0	NO					
IPML-E	0928	0.0	NO					
IPML-F	0930	0.0	NO					
SAM-4/5	0932	0.0	NO					
IPML-G	0934	0.0	NO					
IPML-H	0936	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/06/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	N/A
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1010	0.0	NO					
IPML-A	1012	0.0	NO					
SAM1.5	1014	0.0	NO					
IPML-B	1016	0.0	NO					
SAM-2	1018	0.0	NO					
SAM-2.5	1020	0.0	NO					
IPML-C	1022	0.0	NO					
IPML-D	1024	0.0	NO					
SAM-3	1026	0.0	NO					
IPML-E	1028	0.0	NO					
IPML-F	1030	0.0	NO					
SAM-4/5	1032	0.0	NO					
IPML-G	1034	0.0	NO					
IPML-H	1036	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/06/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	N/A
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1112	0.0	NO					
IPML-A	1114	0.0	NO					
SAM1.5	1116	0.0	NO					
IPML-B	1118	0.0	NO					
SAM-2	1120	0.0	NO					
SAM-2.5	1122	0.0	NO					
IPML-C	1124	0.0	NO					
IPML-D	1126	0.0	NO					
SAM-3	1128	0.0	NO					
IPML-E	1130	0.0	NO					
IPML-F	1132	0.0	NO					
SAM-4/5	1134	0.0	NO					
IPML-G	1136	0.0	NO					
IPML-H	1138	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/06/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	N/A
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1208	0.0	NO					
IPML-A	1210	0.0	NO					
SAM1.5	1212	0.0	NO					
IPML-B	1214	0.0	NO					
SAM-2	1216	0.0	NO					
SAM-2.5	1218	0.0	NO					
IPML-C	1220	0.0	NO					
IPML-D	1222	0.0	NO					
SAM-3	1224	0.0	NO					
IPML-E	1226	0.0	NO					
IPML-F	1228	0.0	NO					
SAM-4/5	1230	0.0	NO					
IPML-G	1232	0.0	NO					
IPML-H	1234	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/06/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	N/A
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1309	0.0	NO					
IPML-A	1311	0.0	NO					
SAM1.5	1313	0.0	NO					
IPML-B	1315	0.0	NO					
SAM-2	1317	0.0	NO					
SAM-2.5	1319	0.0	NO					
IPML-C	1321	0.0	NO					
IPML-D	1323	0.0	NO					
SAM-3	1325	0.0	NO					
IPML-E	1327	0.0	NO					
IPML-F	1329	0.0	NO					
SAM-4/5	1331	0.0	NO					
IPML-G	1333	0.0	NO					
IPML-H	1335	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/06/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	N/A
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1407	0.0	NO					
IPML-A	1409	0.0	NO					
SAM1.5	1411	0.0	NO					
IPML-B	1413	0.0	NO					
SAM-2	1415	0.0	NO					
SAM-2.5	1417	0.0	NO					
IPML-C	1419	0.0	NO					
IPML-D	1421	0.0	NO					
SAM-3	1423	0.0	NO					
IPML-E	1425	0.0	NO					
IPML-F	1427	0.0	NO					
SAM-4/5	1429	0.0	NO					
IPML-G	1431	0.0	NO					
IPML-H	1433	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/06/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	N/A
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1513	0.0	NO					
IPML-A	1515	0.0	NO					
SAM1.5	1517	0.0	NO					
IPML-B	1521	0.0	NO					
SAM-2	1523	0.0	NO					
SAM-2.5	1525	0.0	NO					
IPML-C	1527	0.0	NO					
IPML-D	1529	0.0	NO					
SAM-3	1531	0.0	NO					
IPML-E	1533	0.0	NO					
IPML-F	1535	0.0	NO					
SAM-4/5	1537	0.0	NO					
IPML-G	1539	0.0	NO					
IPML-H	1541	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/07/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.97/11.2
Calibration (ppm) (if functionality test fails)	N/A

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	100
	PID Span (100 ppm Isobutylene)	175
	Drager GC (10 ppm Isobutylene/Toluene)	

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0721	0.1	NO					
IPML-A	0723	0.0	NO					
SAM1.5	9725	0.0	NO					
IPML-B	0727	0.0	NO					
SAM-2	0729	0.1	NO					
SAM-2.5	0731	0.1	NO					
IPML-C	0733	0.0	NO					
IPML-D	0735	0.0	NO					
SAM-3	0737	0.0	NO					
IPML-E	0739	0.0	NO					
IPML-F	0741	0.0	NO					
SAM-4/5	0743	0.0	NO					
IPML-G	0746	0.0	NO					
IPML-H	0748	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 11/07/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.97/11.2
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0816	0.0	NO					
IPML-A	0818	0.0	NO					
SAM1.5	0820	0.0	NO					
IPML-B	0822	0.0	NO					
SAM-2	0824	0.0	NO					
SAM-2.5	0826	0.0	NO					
IPML-C	0828	0.0	NO					
IPML-D	0830	0.0	NO					
SAM-3	0832	0.0	NO					
IPML-E	0834	0.0	NO					
IPML-F	0836	0.0	NO					
SAM-4/5	0838	0.0	NO					
IPML-G	0840	0.0	NO					
IPML-H	0842	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 11/07/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.97/11.2
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0915	0.0	NO					
IPML-A	0917	0.0	NO					
SAM1.5	0919	0.0	NO					
IPML-B	0921	0.0	NO					
SAM-2	0923	0.0	NO					
SAM-2.5	0925	0.0	NO					
IPML-C	0927	0.0	NO					
IPML-D	0929	0.0	NO					
SAM-3	0931	0.0	NO					
IPML-E	0933	0.0	NO					
IPML-F	0935	0.0	NO					
SAM-4/5	0937	0.0	NO					
IPML-G	0939	0.0	NO					
IPML-H	0941	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 11/07/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.97/11.2
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1011	0.0	NO					
IPML-A	1013	0.0	NO					
SAM1.5	1015	0.0	NO					
IPML-B	1017	0.0	NO					
SAM-2	1019	0.0	NO					
SAM-2.5	1021	0.0	NO					
IPML-C	1023	0.0	NO					
IPML-D	1025	0.0	NO					
SAM-3	1027	0.0	NO					
IPML-E	1029	0.0	NO					
IPML-F	1031	0.0	NO					
SAM-4/5	1033	0.0	NO					
IPML-G	1035	0.0	NO					
IPML-H	1037	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/07/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.97/11.2
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1113	0.0	NO					
IPML-A	1115	0.0	NO					
SAM1.5	1117	0.0	NO					
IPML-B	1119	0.0	NO					
SAM-2	1121	0.0	NO					
SAM-2.5	1123	0.0	NO					
IPML-C	1125	0.0	NO					
IPML-D	1127	0.0	NO					
SAM-3	1129	0.0	NO					
IPML-E	1131	0.0	NO					
IPML-F	1133	0.0	NO					
SAM-4/5	1135	0.0	NO					
IPML-G	1137	0.0	NO					
IPML-H	1139	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 11/07/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.97/11.2
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1216	0.0	NO					
IPML-A	1218	0.0	NO					
SAM1.5	1220	0.0	NO					
IPML-B	1222	0.0	NO					
SAM-2	1224	0.0	NO					
SAM-2.5	1226	0.0	NO					
IPML-C	1228	0.0	NO					
IPML-D	1230	0.0	NO					
SAM-3	1232	0.0	NO					
IPML-E	1234	0.0	NO					
IPML-F	1236	0.0	NO					
SAM-4/5	1238	0.0	NO					
IPML-G	1240	0.0	NO					
IPML-H	1242	0.0	NO					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 11/07/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.97/11.2
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1306	0.0	NO					
IPML-A	1308	0.0	NO					
SAM1.5	1310	0.0	NO					
IPML-B	1312	0.0	NO					
SAM-2	1314	0.0	NO					
SAM-2.5	1316	0.0	NO					
IPML-C	1318	0.0	NO					
IPML-D	1320	0.0	NO					
SAM-3	1322	0.0	NO					
IPML-E	1324	0.0	NO					
IPML-F	1326	0.0	NO					
SAM-4/5	1328	0.0	NO					
IPML-G	1330	0.0	NO					
IPML-H	1332	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/07/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.97/11.2
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1413	0.0	NO					
IPML-A	1415	0.0	NO					
SAM1.5	1417	0.0	NO					
IPML-B	1419	0.0	NO					
SAM-2	1421	0.0	NO					
SAM-2.5	1423	0.0	NO					
IPML-C	1425	0.0	NO					
IPML-D	1427	0.0	NO					
SAM-3	1429	0.0	NO					
IPML-E	1431	0.0	NO					
IPML-F	1433	0.0	NO					
SAM-4/5	1435	0.0	NO					
IPML-G	1437	0.0	NO					
IPML-H	1439	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/07/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.97/11.2
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1508	0.0	NO					
IPML-A	1510	0.0	NO					
SAM1.5	1512	0.0	NO					
IPML-B	1514	0.0	NO					
SAM-2	1516	0.0	NO					
SAM-2.5	1518	0.0	NO					
IPML-C	1520	0.0	NO					
IPML-D	1522	0.0	NO					
SAM-3	1524	0.0	NO					
IPML-E	1526	0.0	NO					
IPML-F	1528	0.0	NO					
SAM-4/5	1530	0.0	NO					
IPML-G	1532	0.0	NO					
IPML-H	1534	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/08/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.81/11.5
Calibration (ppm) (if functionality test fails)	N/A

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)	Notify Rolling Meadows Air Team if any tanks are below **50 psi.**
	PID Zero Air (0 ppm)	100	
	PID Span (100 ppm Isobutylene)	160	
	Drager GC (10 ppm Isobutylene/Toluene)		

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0715	0.0	NO					
IPML-A	0717	0.0	NO					
SAM1.5	0719	0.0	NO					
IPML-B	0721	0.0	NO					
SAM-2	0723	0.0	NO					
SAM-2.5	0725	0.0	NO					
IPML-C	0727	0.0	NO					
IPML-D	0729	0.0	NO					
SAM-3	0731	0.0	NO					
IPML-E	0733	0.0	NO					
IPML-F	0735	0.0	NO					
SAM-4/5	0737	0.0	NO					
IPML-G	0740	0.0	NO					
IPML-H	0742	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.

2. Upload and save all forms in associated project folder.

3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/08/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.81/11.5
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0810	0.0	NO					
IPML-A	0812	0.0	NO					
SAM1.5	0814	0.0	NO					
IPML-B	0816	0.0	NO					
SAM-2	0818	0.0	NO					
SAM-2.5	0820	0.0	NO					
IPML-C	0822	0.0	NO					
IPML-D	0824	0.0	NO					
SAM-3	0826	0.0	NO					
IPML-E	0828	0.0	NO					
IPML-F	0830	0.0	NO					
SAM-4/5	0832	0.0	NO					
IPML-G	0834	0.0	NO					
IPML-H	0836	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/08/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.81/11.5
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0907	0.0	NO					
IPML-A	0909	0.0	NO					
SAM1.5	0911	0.0	NO					
IPML-B	0913	0.0	NO					
SAM-2	0915	0.0	NO					
SAM-2.5	0917	0.0	NO					
IPML-C	0919	0.0	NO					
IPML-D	0921	0.0	NO					
SAM-3	0923	0.0	NO					
IPML-E	0925	0.0	NO					
IPML-F	0927	0.0	NO					
SAM-4/5	0931	0.0	NO					
IPML-G	0933	0.0	NO					
IPML-H	0935	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/08/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.81/11.5
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1012	0.0	NO					
IPML-A	1014	0.0	NO					
SAM1.5	1016	0.0	NO					
IPML-B	1018	0.0	NO					
SAM-2	1020	0.0	NO					
SAM-2.5	1022	0.0	NO					
IPML-C	1024	0.0	NO					
IPML-D	1026	0.0	NO					
SAM-3	1028	0.0	NO					
IPML-E	1030	0.0	NO					
IPML-F	1032	0.0	NO					
SAM-4/5	1034	0.0	NO					
IPML-G	1036	0.0	NO					
IPML-H	1038	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/08/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.81/11.5
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1110	0.0	NO					
IPML-A	1112	0.0	NO					
SAM1.5	1114	0.0	NO					
IPML-B	1116	0.0	NO					
SAM-2	1118	0.0	NO					
SAM-2.5	1120	0.0	NO					
IPML-C	1122	0.0	NO					
IPML-D	1124	0.0	NO					
SAM-3	1126	0.0	NO					
IPML-E	1128	0.0	NO					
IPML-F	1130	0.0	NO					
SAM-4/5	1132	0.0	NO					
IPML-G	1134	0.0	NO					
IPML-H	1136	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/08/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.81/11.5
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1209	0.0	NO					
IPML-A	1211	0.0	NO					
SAM1.5	1213	0.0	NO					
IPML-B	1215	0.0	NO					
SAM-2	1217	0.0	NO					
SAM-2.5	1219	0.0	NO					
IPML-C	1221	0.0	NO					
IPML-D	1223	0.0	NO					
SAM-3	1225	0.0	NO					
IPML-E	1227	0.0	NO					
IPML-F	1229	0.0	NO					
SAM-4/5	1231	0.0	NO					
IPML-G	1233	0.0	NO					
IPML-H	1235	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/08/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.81/11.5
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1432	0.0	NO					
IPML-A	1434	0.0	NO					
SAM1.5	1436	0.0	NO					
IPML-B	1438	0.0	NO					
SAM-2	1440	0.0	NO					
SAM-2.5	1442	0.0	NO					
IPML-C	1444	0.0	NO					
IPML-D	1446	0.0	NO					
SAM-3	1448	0.0	NO					
IPML-E	1450	0.0	NO					
IPML-F	1452	0.0	NO					
SAM-4/5	1454	0.0	NO					
IPML-G	1456	0.0	NO					
IPML-H	1458	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/08/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.81/11.5
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1503	0.0	NO					
IPML-A	1505	0.0	NO					
SAM1.5	1507	0.0	NO					
IPML-B	1509	0.0	NO					
SAM-2	1511	0.0	NO					
SAM-2.5	1513	0.0	NO					
IPML-C	1515	0.0	NO					
IPML-D	1517	0.0	NO					
SAM-3	1519	0.0	NO					
IPML-E	1521	0.0	NO					
IPML-F	1523	0.0	NO					
SAM-4/5	1525	0.0	NO					
IPML-G	1527	0.0	NO					
IPML-H	1529	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/09/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.99/11.8
Calibration (ppm) (if functionality test fails)	N/A

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)	Notify Rolling Meadows Air Team if any tanks are below **50 psi.**
	PID Zero Air (0 ppm)	75	
	PID Span (100 ppm Isobutylene)	155	
	Drager GC (10 ppm Isobutylene/Toluene)		

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0715	0.0	NO					
IPML-A	0717	0.0	NO					
SAM1.5	0719	0.0	NO					
IPML-B	0721	0.0	NO					
SAM-2	0723	0.0	NO					
SAM-2.5	0725	0.0	NO					
IPML-C	0727	0.0	NO					
IPML-D	0729	0.0	NO					
SAM-3	0731	0.0	NO					
IPML-E	0733	0.0	NO					
IPML-F	0735	0.0	NO					
SAM-4/5	0737	0.0	NO					
IPML-G	0739	0.0	NO					
IPML-H	0741	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/09/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.99/11.8
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0807	0.0	NO					
IPML-A	0809	0.0	NO					
SAM1.5	0811	0.0	NO					
IPML-B	0813	0.0	NO					
SAM-2	0815	0.0	NO					
SAM-2.5	0817	0.0	NO					
IPML-C	0819	0.0	NO					
IPML-D	0821	0.0	NO					
SAM-3	0823	0.0	NO					
IPML-E	0825	0.0	NO					
IPML-F	0827	0.0	NO					
SAM-4/5	0829	0.0	NO					
IPML-G	0831	0.0	NO					
IPML-H	0833	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/09/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.99/11.8
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0910	0.0	NO					
IPML-A	0912	0.0	NO					
SAM1.5	0914	0.0	NO					
IPML-B	0916	0.0	NO					
SAM-2	0918	0.0	NO					
SAM-2.5	0920	0.0	NO					
IPML-C	0922	0.0	NO					
IPML-D	0924	0.0	NO					
SAM-3	0926	0.0	NO					
IPML-E	0928	0.0	NO					
IPML-F	0930	0.0	NO					
SAM-4/5	0932	0.0	NO					
IPML-G	0934	0.0	NO					
IPML-H	0936	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/09/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.99/11.8
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1015	0.0	NO					
IPML-A	1017	0.0	NO					
SAM1.5	1019	0.0	NO					
IPML-B	1021	0.0	NO					
SAM-2	1023	0.0	NO					
SAM-2.5	1025	0.0	NO					
IPML-C	1027	0.0	NO					
IPML-D	1029	0.0	NO					
SAM-3	1031	0.0	NO					
IPML-E	1033	0.0	NO					
IPML-F	1035	0.0	NO					
SAM-4/5	1037	0.0	NO					
IPML-G	1039	0.0	NO					
IPML-H	1041	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/09/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.99/11.8
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1112	0.0	NO					
IPML-A	1114	0.0	NO					
SAM1.5	1116	0.0	NO					
IPML-B	1118	0.0	NO					
SAM-2	1120	0.0	NO					
SAM-2.5	1122	0.0	NO					
IPML-C	1124	0.0	NO					
IPML-D	1126	0.0	NO					
SAM-3	1128	0.0	NO					
IPML-E	1130	0.0	NO					
IPML-F	1132	0.0	NO					
SAM-4/5	1134	0.0	NO					
IPML-G	1136	0.0	NO					
IPML-H	1138	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/09/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.99/11.8
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1219	0.0	NO					
IPML-A	1221	0.0	NO					
SAM1.5	1223	0.0	NO					
IPML-B	1225	0.0	NO					
SAM-2	1227	0.0	NO					
SAM-2.5	1229	0.0	NO					
IPML-C	1231	0.0	NO					
IPML-D	1233	0.0	NO					
SAM-3	1235	0.0	NO					
IPML-E	1237	0.0	NO					
IPML-F	1239	0.0	NO					
SAM-4/5	1241	0.0	NO					
IPML-G	1243	0.0	NO					
IPML-H	1245	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/09/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.99/11.8
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1305	0.0	NO					
IPML-A	1307	0.0	NO					
SAM1.5	1309	0.0	NO					
IPML-B	1311	0.0	NO					
SAM-2	1313	0.0	NO					
SAM-2.5	1315	0.0	NO					
IPML-C	1317	0.0	NO					
IPML-D	1319	0.0	NO					
SAM-3	1321	0.0	NO					
IPML-E	1323	0.0	NO					
IPML-F	1325	0.0	NO					
SAM-4/5	1327	0.0	NO					
IPML-G	1329	0.0	NO					
IPML-H	1331	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/09/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.99/11.8
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1409	0.0	NO					
IPML-A	1411	0.0	NO					
SAM1.5	1413	0.0	NO					
IPML-B	1415	0.0	NO					
SAM-2	1417	0.0	NO					
SAM-2.5	1419	0.0	NO					
IPML-C	1421	0.0	NO					
IPML-D	1423	0.0	NO					
SAM-3	1425	0.0	NO					
IPML-E	1427	0.0	NO					
IPML-F	1429	0.0	NO					
SAM-4/5	1431	0.0	NO					
IPML-G	1433	0.0	NO					
IPML-H	1435	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/09/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.99/11.8
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1502	0.0	NO					
IPML-A	1504	0.0	NO					
SAM1.5	1506	0.0	NO					
IPML-B	1508	0.0	NO					
SAM-2	1510	0.0	NO					
SAM-2.5	1512	0.0	NO					
IPML-C	1514	0.0	NO					
IPML-D	1516	0.0	NO					
SAM-3	1518	0.0	NO					
IPML-E	1520	0.0	NO					
IPML-F	1522	0.0	NO					
SAM-4/5	1524	0.0	NO					
IPML-G	1526	0.0	NO					
IPML-H	1528	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/10/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.7/11.6
Calibration (ppm) (if functionality test fails)	N/A

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)	Notify Rolling Meadows Air Team if any tanks are below **50 psi.**
	PID Zero Air (0 ppm)	75	
	PID Span (100 ppm Isobutylene)	125	
	Drager GC (10 ppm Isobutylene/Toluene)		

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0725	0.0	NO					
IPML-A	0727	0.0	NO					
SAM1.5	0729	0.0	NO					
IPML-B	0731	0.0	NO					
SAM-2	0733	0.0	NO					
SAM-2.5	0735	0.0	NO					
IPML-C	0737	0.0	NO					
IPML-D	0739	0.0	NO					
SAM-3	0741	0.0	NO					
IPML-E	0743	0.0	NO					
IPML-F	0745	0.0	NO					
SAM-4/5	0747	0.0	NO					
IPML-G	0749	0.0	NO					
IPML-H	0751	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/10/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.7/11.6
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0815	0.0	NO					
IPML-A	0817	0.0	NO					
SAM1.5	0819	0.0	NO					
IPML-B	0821	0.0	NO					
SAM-2	0823	0.0	NO					
SAM-2.5	0825	0.0	NO					
IPML-C	0827	0.0	NO					
IPML-D	0829	0.0	NO					
SAM-3	0831	0.0	NO					
IPML-E	0833	0.0	NO					
IPML-F	0835	0.0	NO					
SAM-4/5	0837	0.0	NO					
IPML-G	0839	0.0	NO					
IPML-H	0841	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/10/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.7/11.6
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0908	0.0	NO					
IPML-A	0910	0.0	NO					
SAM1.5	0912	0.0	NO					
IPML-B	0914	0.0	NO					
SAM-2	0916	0.0	NO					
SAM-2.5	0918	0.0	NO					
IPML-C	0920	0.0	NO					
IPML-D	0922	0.0	NO					
SAM-3	0924	0.0	NO					
IPML-E	0926	0.0	NO					
IPML-F	0928	0.0	NO					
SAM-4/5	0930	0.0	NO					
IPML-G	0932	0.0	NO					
IPML-H	0934	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/10/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.7/11.6
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1012	0.0	NO					
IPML-A	1014	0.0	NO					
SAM1.5	1016	0.0	NO					
IPML-B	1018	0.0	NO					
SAM-2	1020	0.0	NO					
SAM-2.5	1022	0.0	NO					
IPML-C	1024	0.0	NO					
IPML-D	1026	0.0	NO					
SAM-3	1028	0.0	NO					
IPML-E	1030	0.0	NO					
IPML-F	1032	0.0	NO					
SAM-4/5	1034	0.0	NO					
IPML-G	1036	0.0	NO					
IPML-H	1038	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/10/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.7/11.6
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1114	0.0	NO					
IPML-A	1116	0.0	NO					
SAM1.5	1118	0.0	NO					
IPML-B	1120	0.0	NO					
SAM-2	1122	0.0	NO					
SAM-2.5	1124	0.0	NO					
IPML-C	1126	0.0	NO					
IPML-D	1128	0.0	NO					
SAM-3	1130	0.0	NO					
IPML-E	1132	0.0	NO					
IPML-F	1134	0.0	NO					
SAM-4/5	1136	0.0	NO					
IPML-G	1138	0.0	NO					
IPML-H	1140	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/10/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.7/11.6
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1205	0.0	NO					
IPML-A	1207	0.0	NO					
SAM1.5	1209	0.0	NO					
IPML-B	1211	0.0	NO					
SAM-2	1213	0.0	NO					
SAM-2.5	1215	0.0	NO					
IPML-C	1217	0.0	NO					
IPML-D	1219	0.0	NO					
SAM-3	1221	0.0	NO					
IPML-E	1223	0.0	NO					
IPML-F	1225	0.0	NO					
SAM-4/5	1227	0.0	NO					
IPML-G	1229	0.0	NO					
IPML-H	1231	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/10/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.7/11.6
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1309	0.0	NO					
IPML-A	1311	0.0	NO					
SAM1.5	1313	0.0	NO					
IPML-B	1315	0.0	NO					
SAM-2	1317	0.0	NO					
SAM-2.5	1319	0.0	NO					
IPML-C	1321	0.0	NO					
IPML-D	1323	0.0	NO					
SAM-3	1325	0.0	NO					
IPML-E	1327	0.0	NO					
IPML-F	1329	0.0	NO					
SAM-4/5	1331	0.0	NO					
IPML-G	1333	0.0	NO					
IPML-H	1335	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/10/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.7/11.6
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1415	0.0	NO					
IPML-A	1417	0.0	NO					
SAM1.5	1419	0.0	NO					
IPML-B	1421	0.0	NO					
SAM-2	1423	0.0	NO					
SAM-2.5	1425	0.0	NO					
IPML-C	1427	0.0	NO					
IPML-D	1429	0.0	NO					
SAM-3	1431	0.0	NO					
IPML-E	1433	0.0	NO					
IPML-F	1435	0.0	NO					
SAM-4/5	1437	0.0	NO					
IPML-G	1439	0.0	NO					
IPML-H	1441	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/10/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.7/11.6
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1505	0.0	No					
IPML-A	1507	0.0	No					
SAM1.5	1509	0.0	No					
IPML-B	1511	0.0	No					
SAM-2	1513	0.0	No					
SAM-2.5	1515	0.0	No					
IPML-C	1517	0.0	No					
IPML-D	1519	0.0	No					
SAM-3	1521	0.0	No					
IPML-E	1523	0.0	No					
IPML-F	1525	0.0	No					
SAM-4/5	1527	0.0	No					
IPML-G	1529	0.0	No					
IPML-H	1531	0.0	No					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/11/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	
Calibration (ppm) (if functionality test fails)	

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	70
	PID Span (100 ppm Isobutylene)	125
	Drager GC (10 ppm Isobutylene/Toluene)	300

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0620	0.0	NO					
IPML-A	0622	0.0	NO					
SAM1.5	0624	0.0	NO					
IPML-B	0626	0.0	NO					
SAM-2	0628	0.0	NO					
SAM-2.5	0630	0.0	NO					
IPML-C	0632	0.0	NO					
IPML-D	0634	0.0	NO					
SAM-3	0636	0.0	NO					
IPML-E	0638	0.0	NO					
IPML-F	0640	0.0	NO					
SAM-4/5	0642	0.0	NO					
IPML-G	0644	0.0	NO					
IPML-H	0646	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/11/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.2/10.8
Calibration (ppm) (if functionality test fails)	N/A

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)	Notify Rolling Meadows Air Team if any tanks are below **50 psi.**
	PID Zero Air (0 ppm)	70	
	PID Span (100 ppm Isobutylene)	125	
	Drager GC (10 ppm Isobutylene/Toluene)	300	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0719	0.0	NO					
IPML-A	0721	0.0	NO					
SAM1.5	0723	0.0	NO					
IPML-B	0725	0.0	NO					
SAM-2	0727	0.0	NO					
SAM-2.5	0729	0.0	NO					
IPML-C	0731	0.0	NO					
IPML-D	0733	0.0	NO					
SAM-3	0735	0.0	NO					
IPML-E	0737	0.0	NO					
IPML-F	0739	0.0	NO					
SAM-4/5	0741	0.0	NO					
IPML-G	0743	0.0	NO					
IPML-H	0745	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/11/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.2/10.8
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0806	0.0	NO					
IPML-A	0808	0.0	NO					
SAM1.5	0810	0.0	NO					
IPML-B	0812	0.0	NO					
SAM-2	0814	0.0	NO					
SAM-2.5	0816	0.0	NO					
IPML-C	0818	0.0	NO					
IPML-D	0820	0.0	NO					
SAM-3	0822	0.0	NO					
IPML-E	0824	0.0	NO					
IPML-F	0826	0.0	NO					
SAM-4/5	0828	0.0	NO					
IPML-G	0830	0.0	NO					
IPML-H	0832	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/11/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.2/10.8
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0910	0.0	NO					
IPML-A	0912	0.0	NO					
SAM1.5	0914	0.0	NO					
IPML-B	0916	0.0	NO					
SAM-2	0918	0.0	NO					
SAM-2.5	0920	0.0	NO					
IPML-C	0922	0.0	NO					
IPML-D	0924	0.0	NO					
SAM-3	0926	0.0	NO					
IPML-E	0928	0.0	NO					
IPML-F	0930	0.0	NO					
SAM-4/5	0932	0.0	NO					
IPML-G	0934	0.0	NO					
IPML-H	0936	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/11/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.2/10.8
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1008	0.0	NO					
IPML-A	1010	0.0	NO					
SAM1.5	1012	0.0	NO					
IPML-B	1014	0.0	NO					
SAM-2	1016	0.0	NO					
SAM-2.5	1018	0.0	NO					
IPML-C	1020	0.0	NO					
IPML-D	1022	0.0	NO					
SAM-3	1024	0.0	NO					
IPML-E	1026	0.0	NO					
IPML-F	1028	0.0	NO					
SAM-4/5	1030	0.0	NO					
IPML-G	1032	0.0	NO					
IPML-H	1034	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/11/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.2/10.8
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1111	0.0	NO					
IPML-A	1113	0.0	NO					
SAM1.5	1115	0.0	NO					
IPML-B	1117	0.0	NO					
SAM-2	1119	0.0	NO					
SAM-2.5	1121	0.0	NO					
IPML-C	1123	0.0	NO					
IPML-D	1125	0.0	NO					
SAM-3	1127	0.0	NO					
IPML-E	1129	0.0	NO					
IPML-F	1131	0.0	NO					
SAM-4/5	1133	0.0	NO					
IPML-G	1135	0.0	NO					
IPML-H	1137	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/11/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.2/10.8
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1207	0.0	NO					
IPML-A	1209	0.0	NO					
SAM1.5	1211	0.0	NO					
IPML-B	1213	0.0	NO					
SAM-2	1215	0.0	NO					
SAM-2.5	1217	0.0	NO					
IPML-C	1219	0.0	NO					
IPML-D	1221	0.0	NO					
SAM-3	1223	0.0	NO					
IPML-E	1225	0.0	NO					
IPML-F	1227	0.0	NO					
SAM-4/5	1229	0.0	NO					
IPML-G	1231	0.0	NO					
IPML-H	1233	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/11/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.2/10.8
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1301	0.0	NO					
IPML-A	1303	0.0	NO					
SAM1.5	1305	0.0	NO					
IPML-B	1307	0.0	NO					
SAM-2	1309	0.0	NO					
SAM-2.5	1311	0.0	NO					
IPML-C	1313	0.0	NO					
IPML-D	1315	0.0	NO					
SAM-3	1317	0.0	NO					
IPML-E	1319	0.0	NO					
IPML-F	1321	0.0	NO					
SAM-4/5	1323	0.0	NO					
IPML-G	1325	0.0	NO					
IPML-H	1327	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/11/2023	Technician Name: Clay Sansoucie	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.2/10.8
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1407	0.0	NO					
IPML-A	1409	0.0	NO					
SAM1.5	1411	0.0	NO					
IPML-B	1413	0.0	NO					
SAM-2	1415	0.0	NO					
SAM-2.5	1417	0.0	NO					
IPML-C	1419	0.0	NO					
IPML-D	1421	0.0	NO					
SAM-3	1423	0.0	NO					
IPML-E	1425	0.0	NO					
IPML-F	1427	0.0	NO					
SAM-4/5	1429	0.0	NO					
IPML-G	1431	0.0	NO					
IPML-H	1433	0.0	NO					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/13/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.1/10.5
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0805	0.0	N					
IPML-A	0807	0.0	N					
SAM1.5	0809	0.0	N					
IPML-B	0823	0.0	N					
SAM-2	0825	0.0	N					
SAM-2.5	0833	0.0	N					
IPML-C	0858	0.0	N					
IPML-D	0900	0.0	N					
SAM-3	0902	0.0	N					
IPML-E	0910	0.0	N					
IPML-F	0912	0.0	N					
SAM-4/5	0914	0.0	N					
IPML-G	0927	0.0	N					
IPML-H	0929	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/13/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.1/10.5
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0937	0.0	N					
IPML-A	0939	0.0	N					
SAM1.5	0941	0.0	N					
IPML-B	0943	0.0	N					
SAM-2	0945	0.0	N					
SAM-2.5	0947	0.0	N					
IPML-C	0949	0.0	N					
IPML-D	0951	0.0	N					
SAM-3	0953	0.0	N					
IPML-E	0955	0.0	N					
IPML-F	0957	0.0	N					
SAM-4/5	0959	0.0	N					
IPML-G	1001	0.0	N					
IPML-H	1003	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/13/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.1/10.5
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1005	0.0	N					
IPML-A	1007	0.0	N					
SAM1.5	1009	0.0	N					
IPML-B	1011	0.0	N					
SAM-2	1013	0.0	N					
SAM-2.5	1015	0.0	N					
IPML-C	1017	0.0	N					
IPML-D	1019	0.0	N					
SAM-3	1021	0.0	N					
IPML-E	1023	0.0	N					
IPML-F	1025	0.0	N					
SAM-4/5	1027	0.0	N					
IPML-G	1029	0.0	N					
IPML-H	1031	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 11/13/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.1/10.5
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1117	0.0	N					
IPML-A	1119	0.0	N					
SAM1.5	1121	0.0	N					
IPML-B	1123	0.0	N					
SAM-2	1125	0.0	N					
SAM-2.5	1127	0.0	N					
IPML-C	1129	0.0	N					
IPML-D	1131	0.0	N					
SAM-3	1133	0.0	N					
IPML-E	1135	0.0	N					
IPML-F	1137	0.0	N					
SAM-4/5	1139	0.0	N					
IPML-G	1141	0.0	N					
IPML-H	1143	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/13/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.1/10.5
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1208	0.0	N					
IPML-A	1210	0.0	N					
SAM1.5	1212	0.0	N					
IPML-B	1214	0.0	N					
SAM-2	1216	0.0	N					
SAM-2.5	1218	0.0	N					
IPML-C	1220	0.0	N					
IPML-D	1222	0.0	N					
SAM-3	1224	0.0	N					
IPML-E	1226	0.0	N					
IPML-F	1228	0.0	N					
SAM-4/5	1230	0.0	N					
IPML-G	1232	0.0	N					
IPML-H	1234	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 11/13/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.1/10.5
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1305	0.0	N					
IPML-A	1307	0.0	N					
SAM1.5	1309	0.0	N					
IPML-B	1311	0.0	N					
SAM-2	1313	0.0	N					
SAM-2.5	1315	0.0	N					
IPML-C	1317	0.0	N					
IPML-D	1319	0.0	N					
SAM-3	1321	0.0	N					
IPML-E	1323	0.0	N					
IPML-F	1325	0.0	N					
SAM-4/5	1327	0.0	N					
IPML-G	1329	0.0	N					
IPML-H	1331	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 11/13/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.1/10.5
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1406	0.0	N					
IPML-A	1408	0.1	N					
SAM1.5	1410	0.0	N					
IPML-B	1412	0.0	N					
SAM-2	1414	0.0	N					
SAM-2.5	1416	0.0	N					
IPML-C	1418	0.0	N					
IPML-D	1420	0.0	N					
SAM-3	1422	0.0	N					
IPML-E	1424	0.0	N					
IPML-F	1426	0.0	N					
SAM-4/5	1428	0.0	N					
IPML-G	1430	0.0	N					
IPML-H	1432	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 11/13/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.1/10.5
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1500	0.0	N					
IPML-A	1502	0.0	N					
SAM1.5	1504	0.0	N					
IPML-B	1506	0.0	N					
SAM-2	1508	0.0	N					
SAM-2.5	1510	0.0	N					
IPML-C	1512	0.0	N					
IPML-D	1514	0.0	N					
SAM-3	1516	0.0	N					
IPML-E	1518	0.0	N					
IPML-F	1520	0.0	N					
SAM-4/5	1522	0.0	N					
IPML-G	1524	0.0	N					
IPML-H	1526	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 11/14/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.95/10.7
Calibration (ppm) (if functionality test fails)	N/A

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)	
	PID Zero Air (0 ppm)	60	Notify Rolling Meadows Air Team if any tanks are below **50 psi.**
	PID Span (100 ppm Isobutylene)	105	
	Drager GC (10 ppm Isobutylene/Toluene)	300	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0734	0.0	N					
IPML-A	0736	0.0	N					
SAM1.5	0738	0.0	N					
IPML-B	0740	0.0	N					
SAM-2	0742	0.0	N					
SAM-2.5	0744	0.0	N					
IPML-C	0746	0.0	N					
IPML-D	0748	0.0	N					
SAM-3	0750	0.0	N					
IPML-E	0752	0.0	N					
IPML-F	0754	0.0	N					
SAM-4/5	0756	0.0	N					
IPML-G	0758	0.0	N					
IPML-H	0800	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/14/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.95/10.7
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0802	0.1	N					
IPML-A	0804	0.1	N					
SAM1.5	0806	0.1	N					
IPML-B	0808	0.1	N					
SAM-2	0810	0.1	N					
SAM-2.5	0812	0.1	N					
IPML-C	0814	0.1	N					
IPML-D	0816	0.1	N					
SAM-3	0818	0.1	N					
IPML-E	0820	0.1	N					
IPML-F	0822	0.1	N					
SAM-4/5	0824	0.1	N					
IPML-G	0826	0.1	N					
IPML-H	0828	0.1	N					

Additional Comments:	Steady increase of readings over 0700 and 0800 hours. Presumably due to lower temperatures.

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/14/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.95/10.7
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0907	0.0	N					
IPML-A	0909	0.0	N					
SAM1.5	0911	0.0	N					
IPML-B	0913	0.0	N					
SAM-2	0915	0.0	N					
SAM-2.5	0917	0.0	N					
IPML-C	0919	0.0	N					
IPML-D	0921	0.0	N					
SAM-3	0923	0.0	N					
IPML-E	0925	0.0	N					
IPML-F	0927	0.0	N					
SAM-4/5	0929	0.0	N					
IPML-G	0931	0.0	N					
IPML-H	0933	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/14/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.95/10.7
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1003	0.0	N					
IPML-A	1005	0.0	N					
SAM1.5	1007	0.0	N					
IPML-B	1009	0.0	N					
SAM-2	1011	0.0	N					
SAM-2.5	1013	0.0	N					
IPML-C	1015	0.0	N					
IPML-D	1017	0.0	N					
SAM-3	1019	0.0	N					
IPML-E	1021	0.0	N					
IPML-F	1023	0.0	N					
SAM-4/5	1025	0.0	N					
IPML-G	1027	0.0	N					
IPML-H	1029	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/14/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.95/10.7
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1106	0.0	N					
IPML-A	1108	0.0	N					
SAM1.5	1110	0.0	N					
IPML-B	1112	0.0	N					
SAM-2	1114	0.0	N					
SAM-2.5	1116	0.0	N					
IPML-C	1118	0.0	N					
IPML-D	1120	0.0	N					
SAM-3	1122	0.0	N					
IPML-E	1124	0.0	N					
IPML-F	1126	0.0	N					
SAM-4/5	1128	0.0	N					
IPML-G	1130	0.0	N					
IPML-H	1132	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/14/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.95/10.7
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1201	0.0	N					
IPML-A	1203	0.0	N					
SAM1.5	1205	0.0	N					
IPML-B	1207	0.0	N					
SAM-2	1209	0.0	N					
SAM-2.5	1211	0.0	N					
IPML-C	1213	0.0	N					
IPML-D	1215	0.0	N					
SAM-3	1217	0.0	N					
IPML-E	1219	0.0	N					
IPML-F	1221	0.0	N					
SAM-4/5	1223	0.0	N					
IPML-G	1225	0.0	N					
IPML-H	1227	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/14/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.95/10.7
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1305	0.0	N					
IPML-A	1307	0.0	N					
SAM1.5	1309	0.0	N					
IPML-B	1311	0.0	N					
SAM-2	1313	0.0	N					
SAM-2.5	1315	0.0	N					
IPML-C	1317	0.0	N					
IPML-D	1319	0.0	N					
SAM-3	1321	0.0	N					
IPML-E	1323	0.0	N					
IPML-F	1325	0.0	N					
SAM-4/5	1327	0.0	N					
IPML-G	1329	0.0	N					
IPML-H	1331	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 11/14/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.95/10.7
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1404	0.0	N					
IPML-A	1406	0.0	N					
SAM1.5	1408	0.0	N					
IPML-B	1410	0.0	N					
SAM-2	1412	0.0	N					
SAM-2.5	1414	0.0	N					
IPML-C	1416	0.0	N					
IPML-D	1418	0.0	N					
SAM-3	1420	0.0	N					
IPML-E	1422	0.0	N					
IPML-F	1424	0.0	N					
SAM-4/5	1426	0.0	N					
IPML-G	1428	0.0	N					
IPML-H	1430	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 11/14/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.95/10.7
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1501	0.0	N					
IPML-A	1503	0.0	N					
SAM1.5	1505	0.0	N					
IPML-B	1507	0.0	N					
SAM-2	1509	0.0	N					
SAM-2.5	1511	0.0	N					
IPML-C	1513	0.0	N					
IPML-D	1515	0.0	N					
SAM-3	1517	0.0	N					
IPML-E	1519	0.0	N					
IPML-F	1521	0.0	N					
SAM-4/5	1523	0.0	N					
IPML-G	1525	0.0	N					
IPML-H	1527	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/15/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.87/10.9
Calibration (ppm) (if functionality test fails)	N/A

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)	
	PID Zero Air (0 ppm)	55	Notify Rolling Meadows Air Team if any tanks are below **50 psi.**
	PID Span (100 ppm Isobutylene)	100	
	Drager GC (10 ppm Isobutylene/Toluene)	300	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0735	0.0	N					
IPML-A	0738	0.0	N					
SAM1.5	0740	0.0	N					
IPML-B	0742	0.0	N					
SAM-2	0744	0.0	N					
SAM-2.5	0746	0.0	N					
IPML-C	0748	0.0	N					
IPML-D	0750	0.0	N					
SAM-3	0752	0.0	N					
IPML-E	0754	0.0	N					
IPML-F	0756	0.0	N					
SAM-4/5	0758	0.0	N					
IPML-G	0800	0.0	N					
IPML-H	0802	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/15/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.87/10.9
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0804	0.1	N					
IPML-A	0806	0.0	N					
SAM1.5	0808	0.1	N					
IPML-B	0810	0.1	N					
SAM-2	0812	0.1	N					
SAM-2.5	0814	0.1	N					
IPML-C	0816	0.1	N					
IPML-D	0818	0.1	N					
SAM-3	0820	0.1	N					
IPML-E	0822	0.1	N					
IPML-F	0824	0.1	N					
SAM-4/5	0826	0.1	N					
IPML-G	0828	0.1	N					
IPML-H	0830	0.1	N					

Additional Comments:	Steady increase of readings over 0700 and 0800 hours. Presumably due to lower temperatures.

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/15/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.87/10.9
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0901	0.0	N					
IPML-A	0904	0.0	N					
SAM1.5	0906	0.0	N					
IPML-B	0908	0.0	N					
SAM-2	0910	0.0	N					
SAM-2.5	0912	0.0	N					
IPML-C	0914	0.0	N					
IPML-D	0916	0.0	N					
SAM-3	0918	0.0	N					
IPML-E	0920	0.0	N					
IPML-F	0922	0.0	N					
SAM-4/5	0924	0.0	N					
IPML-G	0926	0.0	N					
IPML-H	0928	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 11/15/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.87/10.9
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1005	0.0	N					
IPML-A	1007	0.0	N					
SAM1.5	1009	0.0	N					
IPML-B	1011	0.0	N					
SAM-2	1013	0.0	N					
SAM-2.5	1015	0.0	N					
IPML-C	1017	0.0	N					
IPML-D	1019	0.0	N					
SAM-3	1021	0.0	N					
IPML-E	1023	0.0	N					
IPML-F	1025	0.0	N					
SAM-4/5	1027	0.0	N					
IPML-G	1029	0.0	N					
IPML-H	1031	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 11/15/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.87/10.9
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1103	0.0	N					
IPML-A	1105	0.0	N					
SAM1.5	1107	0.0	N					
IPML-B	1109	0.0	N					
SAM-2	1111	0.0	N					
SAM-2.5	1113	0.0	N					
IPML-C	1115	0.0	N					
IPML-D	1117	0.0	N					
SAM-3	1119	0.0	N					
IPML-E	1121	0.0	N					
IPML-F	1123	0.0	N					
SAM-4/5	1125	0.0	N					
IPML-G	1127	0.0	N					
IPML-H	1129	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/15/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.87/10.9
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1204	0.0	N					
IPML-A	1211	0.0	N					
SAM1.5	1213	0.0	N					
IPML-B	1215	0.0	N					
SAM-2	1217	0.0	N					
SAM-2.5	1220	0.0	N					
IPML-C	1224	0.0	N					
IPML-D	1226	0.0	N					
SAM-3	1228	0.0	N					
IPML-E	1232	0.0	N					
IPML-F	1234	0.0	N					
SAM-4/5	1236	0.0	N					
IPML-G	1242	0.0	N					
IPML-H	1244	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/15/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.87/10.9
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1333	0.0	N					
IPML-A	1335	0.0	N					
SAM1.5	1337	0.0	N					
IPML-B	1339	0.0	N					
SAM-2	1341	0.0	N					
SAM-2.5	1343	0.0	N					
IPML-C	1345	0.0	N					
IPML-D	1347	0.0	N					
SAM-3	1349	0.0	N					
IPML-E	1351	0.0	N					
IPML-F	1353	0.0	N					
SAM-4/5	1355	0.0	N					
IPML-G	1357	0.0	N					
IPML-H	1359	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/15/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.87/10.9
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1401	0.0	N					
IPML-A	1403	0.0	N					
SAM1.5	1405	0.0	N					
IPML-B	1407	0.0	N					
SAM-2	1409	0.0	N					
SAM-2.5	1411	0.0	N					
IPML-C	1413	0.0	N					
IPML-D	1415	0.0	N					
SAM-3	1417	0.0	N					
IPML-E	1419	0.0	N					
IPML-F	1421	0.0	N					
SAM-4/5	1423	0.0	N					
IPML-G	1425	0.0	N					
IPML-H	1427	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/15/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.87/10.9
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1501	0.0	N					
IPML-A	1503	0.0	N					
SAM1.5	1505	0.0	N					
IPML-B	1507	0.0	N					
SAM-2	1509	0.0	N					
SAM-2.5	1511	0.0	N					
IPML-C	1513	0.0	N					
IPML-D	1515	0.0	N					
SAM-3	1517	0.0	N					
IPML-E	1519	0.0	N					
IPML-F	1521	0.0	N					
SAM-4/5	1523	0.0	N					
IPML-G	1525	0.0	N					
IPML-H	1527	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/16/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.0/11.1
Calibration (ppm) (if functionality test fails)	N/A

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)	
	PID Zero Air (0 ppm)	50	Notify Rolling Meadows Air Team if any tanks are below **50 psi.**
	PID Span (100 ppm Isobutylene)	100	
	Drager GC (10 ppm Isobutylene/Toluene)	300	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0719	0.0	N					
IPML-A	0729	0.0	N					
SAM1.5	0731	0.0	N					
IPML-B	0741	0.0	N					
SAM-2	0743	0.0	N					
SAM-2.5	0752	0.0	N					
IPML-C	0800	0.0	N					
IPML-D	0802	0.0	N					
SAM-3	0804	0.0	N					
IPML-E	0814	0.0	N					
IPML-F	0816	0.0	N					
SAM-4/5	0818	0.0	N					
IPML-G	0836	0.0	N					
IPML-H	0838	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/16/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.0/11.1
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0904	0.0	N					
IPML-A	0906	0.0	N					
SAM1.5	0908	0.0	N					
IPML-B	0910	0.0	N					
SAM-2	0912	0.0	N					
SAM-2.5	0914	0.0	N					
IPML-C	0916	0.0	N					
IPML-D	0918	0.0	N					
SAM-3	0920	0.0	N					
IPML-E	0922	0.0	N					
IPML-F	0924	0.0	N					
SAM-4/5	0926	0.0	N					
IPML-G	0928	0.0	N					
IPML-H	0930	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/16/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.0/11.1
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1006	0.0	N					
IPML-A	1008	0.0	N					
SAM1.5	1010	0.0	N					
IPML-B	1012	0.0	N					
SAM-2	1014	0.0	N					
SAM-2.5	1016	0.0	N					
IPML-C	1018	0.0	N					
IPML-D	1020	0.0	N					
SAM-3	1022	0.0	N					
IPML-E	1024	0.0	N					
IPML-F	1026	0.0	N					
SAM-4/5	1028	0.0	N					
IPML-G	1030	0.0	N					
IPML-H	1032	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/16/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.0/11.1
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1111	0.0	N					
IPML-A	1113	0.0	N					
SAM1.5	1115	0.0	N					
IPML-B	1117	0.0	N					
SAM-2	1119	0.0	N					
SAM-2.5	1121	0.0	N					
IPML-C	1123	0.0	N					
IPML-D	1125	0.0	N					
SAM-3	1127	0.0	N					
IPML-E	1129	0.0	N					
IPML-F	1131	0.0	N					
SAM-4/5	1133	0.0	N					
IPML-G	1135	0.0	N					
IPML-H	1137	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/16/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.0/11.1
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1202	0.0	N					
IPML-A	1204	0.0	N					
SAM1.5	1206	0.0	N					
IPML-B	1208	0.0	N					
SAM-2	1210	0.0	N					
SAM-2.5	1212	0.0	N					
IPML-C	1214	0.0	N					
IPML-D	1216	0.0	N					
SAM-3	1218	0.0	N					
IPML-E	1220	0.0	N					
IPML-F	1222	0.0	N					
SAM-4/5	1224	0.0	N					
IPML-G	1226	0.0	N					
IPML-H	1228	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/16/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.0/11.1
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1322	0.0	N					
IPML-A	1324	0.0	N					
SAM1.5	1326	0.0	N					
IPML-B	1328	0.0	N					
SAM-2	1330	0.0	N					
SAM-2.5	1332	0.0	N					
IPML-C	1334	0.0	N					
IPML-D	1336	0.0	N					
SAM-3	1340	0.0	N					
IPML-E	1347	0.0	N					
IPML-F	1349	0.0	N					
SAM-4/5	1351	0.0	N					
IPML-G	1353	0.0	N					
IPML-H	1355	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 11/16/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.0/11.1
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1400	0.0	N					
IPML-A	1402	0.0	N					
SAM1.5	1404	0.0	N					
IPML-B	1406	0.0	N					
SAM-2	1408	0.0	N					
SAM-2.5	1410	0.0	N					
IPML-C	1412	0.0	N					
IPML-D	1414	0.0	N					
SAM-3	1419	0.0	N					
IPML-E	1421	0.0	N					
IPML-F	1423	0.0	N					
SAM-4/5	1425	0.0	N					
IPML-G	1427	0.0	N					
IPML-H	1429	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/16/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10.0/11.1
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1511	0.0	N					
IPML-A	1513	0.0	N					
SAM1.5	1515	0.0	N					
IPML-B	1517	0.0	N					
SAM-2	1519	0.0	N					
SAM-2.5	1521	0.0	N					
IPML-C	1523	0.0	N					
IPML-D	1525	0.0	N					
SAM-3	1527	0.0	N					
IPML-E	1529	0.0	N					
IPML-F	1531	0.0	N					
SAM-4/5	1533	0.0	N					
IPML-G	1535	0.0	N					
IPML-H	1537	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/17/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.89/11.1
Calibration (ppm) (if functionality test fails)	N/A

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)	
	PID Zero Air (0 ppm)	50	Notify Rolling Meadows Air Team if any tanks are below **50 psi.**
	PID Span (100 ppm Isobutylene)	100	
	Drager GC (10 ppm Isobutylene/Toluene)	300	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0726	0.0	N					
IPML-A	0728	0.0	N					
SAM1.5	0730	0.0	N					
IPML-B	0732	0.0	N					
SAM-2	0734	0.0	N					
SAM-2.5	0736	0.0	N					
IPML-C	0739	0.0	N					
IPML-D	0741	0.0	N					
SAM-3	0743	0.0	N					
IPML-E	0747	0.0	N					
IPML-F	0749	0.0	N					
SAM-4/5	0751	0.0	N					
IPML-G	0755	0.0	N					
IPML-H	0757	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/17/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.89/11.1
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0800	0.0	N					
IPML-A	0802	0.0	N					
SAM1.5	0804	0.0	N					
IPML-B	0806	0.0	N					
SAM-2	0808	0.0	N					
SAM-2.5	0810	0.0	N					
IPML-C	0812	0.0	N					
IPML-D	0814	0.0	N					
SAM-3	0816	0.0	N					
IPML-E	0818	0.0	N					
IPML-F	0820	0.0	N					
SAM-4/5	0822	0.0	N					
IPML-G	0824	0.0	N					
IPML-H	0826	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/17/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.89/11.1
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0903	0.0	N					
IPML-A	0905	0.0	N					
SAM1.5	0907	0.0	N					
IPML-B	0909	0.0	N					
SAM-2	0911	0.0	N					
SAM-2.5	0913	0.0	N					
IPML-C	0915	0.0	N					
IPML-D	0917	0.0	N					
SAM-3	0919	0.0	N					
IPML-E	0921	0.0	N					
IPML-F	0923	0.0	N					
SAM-4/5	0925	0.0	N					
IPML-G	0927	0.0	N					
IPML-H	0929	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 11/17/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.89/11.1
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1003	0.0	N					
IPML-A	1005	0.0	N					
SAM1.5	1007	0.0	N					
IPML-B	1009	0.0	N					
SAM-2	1011	0.0	N					
SAM-2.5	1013	0.0	N					
IPML-C	1015	0.0	N					
IPML-D	1017	0.0	N					
SAM-3	1019	0.0	N					
IPML-E	1021	0.0	N					
IPML-F	1023	0.0	N					
SAM-4/5	1025	0.0	N					
IPML-G	1027	0.0	N					
IPML-H	1029	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 11/17/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.89/11.1
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1106	0.0	N					
IPML-A	1108	0.0	N					
SAM1.5	1110	0.0	N					
IPML-B	1112	0.0	N					
SAM-2	1114	0.0	N					
SAM-2.5	1116	0.0	N					
IPML-C	1118	0.0	N					
IPML-D	1120	0.0	N					
SAM-3	1122	0.0	N					
IPML-E	1124	0.0	N					
IPML-F	1126	0.0	N					
SAM-4/5	1128	0.0	N					
IPML-G	1130	0.0	N					
IPML-H	1132	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/17/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.89/11.1
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1201	0.0	N					
IPML-A	1203	0.0	N					
SAM1.5	1205	0.0	N					
IPML-B	1207	0.0	N					
SAM-2	1209	0.0	N					
SAM-2.5	1211	0.0	N					
IPML-C	1213	0.0	N					
IPML-D	1215	0.0	N					
SAM-3	1217	0.0	N					
IPML-E	1219	0.0	N					
IPML-F	1221	0.0	N					
SAM-4/5	1223	0.0	N					
IPML-G	1225	0.0	N					
IPML-H	1227	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 11/17/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.89/11.1
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1301	0.0	N					
IPML-A	1303	0.0	N					
SAM1.5	1305	0.0	N					
IPML-B	1307	0.0	N					
SAM-2	1309	0.0	N					
SAM-2.5	1311	0.0	N					
IPML-C	1313	0.0	N					
IPML-D	1315	0.0	N					
SAM-3	1317	0.0	N					
IPML-E	1319	0.0	N					
IPML-F	1321	0.0	N					
SAM-4/5	1323	0.0	N					
IPML-G	1325	0.0	N					
IPML-H	1327	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/17/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.89/11.1
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1407	0.0	N					
IPML-A	1409	0.0	N					
SAM1.5	1411	0.0	N					
IPML-B	1413	0.0	N					
SAM-2	1415	0.0	N					
SAM-2.5	1417	0.0	N					
IPML-C	1419	0.0	N					
IPML-D	1421	0.0	N					
SAM-3	1423	0.0	N					
IPML-E	1425	0.0	N					
IPML-F	1427	0.0	N					
SAM-4/5	1429	0.0	N					
IPML-G	1431	0.0	N					
IPML-H	1433	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/17/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.89/11.1
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1502	0.0	N					
IPML-A	1504	0.0	N					
SAM1.5	1506	0.0	N					
IPML-B	1508	0.0	N					
SAM-2	1510	0.0	N					
SAM-2.5	1512	0.0	N					
IPML-C	1514	0.0	N					
IPML-D	1516	0.0	N					
SAM-3	1518	0.0	N					
IPML-E	1520	0.0	N					
IPML-F	1522	0.0	N					
SAM-4/5	1524	0.0	N					
IPML-G	1526	0.0	N					
IPML-H	1528	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 11/18/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.87/10.8
Calibration (ppm) (if functionality test fails)	N/A

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)	
	PID Zero Air (0 ppm)	45	Notify Rolling Meadows Air Team if any tanks are below **50 psi.**
	PID Span (100 ppm Isobutylene)	95	
	Drager GC (10 ppm Isobutylene/Toluene)	290	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0708	0.0	N					
IPML-A	0710	0.0	N					
SAM1.5	0712	0.0	N					
IPML-B	0714	0.0	N					
SAM-2	0716	0.0	N					
SAM-2.5	0718	0.0	N					
IPML-C	0720	0.0	N					
IPML-D	0722	0.0	N					
SAM-3	0724	0.0	N					
IPML-E	0726	0.0	N					
IPML-F	0728	0.0	N					
SAM-4/5	0730	0.0	N					
IPML-G	0732	0.1	N					
IPML-H	0734	0.1	N					

Additional Comments:	PID gradually increased to 0.1 presumably due to the low temperatures
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 11/18/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.87/10.8
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0802	0.0	N					
IPML-A	0804	0.0	N					
SAM1.5	0806	0.0	N					
IPML-B	0808	0.0	N					
SAM-2	0810	0.0	N					
SAM-2.5	0812	0.0	N					
IPML-C	0814	0.0	N					
IPML-D	0816	0.0	N					
SAM-3	0819	0.0	N					
IPML-E	0821	0.0	N					
IPML-F	0823	0.0	N					
SAM-4/5	0825	0.1	N					
IPML-G	0827	0.1	N					
IPML-H	0829	0.1	N					

Additional Comments:	PID gradually increased to 0.1 presumably due to the low temperatures
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
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Preliminary

PID & GC Readings

Date: 11/18/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.87/10.8
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0901	0.0	N					
IPML-A	0903	0.0	N					
SAM1.5	0905	0.0	N					
IPML-B	0907	0.0	N					
SAM-2	0909	0.0	N					
SAM-2.5	0911	0.0	N					
IPML-C	0913	0.0	N					
IPML-D	0915	0.0	N					
SAM-3	0917	0.0	N					
IPML-E	0919	0.0	N					
IPML-F	0921	0.0	N					
SAM-4/5	0923	0.0	N					
IPML-G	0925	0.0	N					
IPML-H	0927	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/18/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.87/10.8
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1010	0.0	N					
IPML-A	1012	0.0	N					
SAM1.5	1014	0.0	N					
IPML-B	1016	0.0	N					
SAM-2	1018	0.0	N					
SAM-2.5	1020	0.0	N					
IPML-C	1022	0.0	N					
IPML-D	1024	0.0	N					
SAM-3	1026	0.0	N					
IPML-E	1028	0.0	N					
IPML-F	1030	0.0	N					
SAM-4/5	1032	0.0	N					
IPML-G	1034	0.0	N					
IPML-H	1036	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/18/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.87/10.8
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1105	0.0	N					
IPML-A	1107	0.0	N					
SAM1.5	1109	0.0	N					
IPML-B	1111	0.0	N					
SAM-2	1113	0.0	N					
SAM-2.5	1115	0.0	N					
IPML-C	1117	0.0	N					
IPML-D	1119	0.0	N					
SAM-3	1121	0.0	N					
IPML-E	1123	0.0	N					
IPML-F	1125	0.0	N					
SAM-4/5	1127	0.0	N					
IPML-G	1129	0.0	N					
IPML-H	1131	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/18/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.87/10.8
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1207	0.0	N					
IPML-A	1212	0.0	N					
SAM1.5	1214	0.0	N					
IPML-B	1220	0.0	N					
SAM-2	1222	0.0	N					
SAM-2.5	1227	0.0	N					
IPML-C	1232	0.0	N					
IPML-D	1234	0.0	N					
SAM-3	1236	0.0	N					
IPML-E	1244	0.0	N					
IPML-F	1246	0.0	N					
SAM-4/5	1248	0.0	N					
IPML-G	1259	0.0	N					
IPML-H	1301	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/18/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.87/10.8
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1314	0.0	N					
IPML-A	1316	0.0	N					
SAM1.5	1318	0.0	N					
IPML-B	1320	0.0	N					
SAM-2	1322	0.0	N					
SAM-2.5	1324	0.0	N					
IPML-C	1326	0.0	N					
IPML-D	1328	0.0	N					
SAM-3	1330	0.0	N					
IPML-E	1332	0.0	N					
IPML-F	1334	0.0	N					
SAM-4/5	1336	0.0	N					
IPML-G	1338	0.0	N					
IPML-H	1340	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/18/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.87/10.8
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1404	0.0	N					
IPML-A	1406	0.0	N					
SAM1.5	1408	0.0	N					
IPML-B	1410	0.0	N					
SAM-2	1412	0.0	N					
SAM-2.5	1414	0.0	N					
IPML-C	1416	0.0	N					
IPML-D	1418	0.0	N					
SAM-3	1420	0.0	N					
IPML-E	1422	0.0	N					
IPML-F	1424	0.0	N					
SAM-4/5	1426	0.0	N					
IPML-G	1428	0.0	N					
IPML-H	1430	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/20/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10
Calibration (ppm) (if functionality test fails)	

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)	
	PID Zero Air (0 ppm)	50	Notify Rolling Meadows Air Team if any tanks are below **50 psi.**
	PID Span (100 ppm Isobutylene)	100	
	Drager GC (10 ppm Isobutylene/Toluene)	300	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0745	0.0	N					
IPML-A	0747	0.0	N					
SAM1.5	0749	0.0	N					
IPML-B	0751	0.0	N					
SAM-2	0753	0.0	N					
SAM-2.5	0755	0.0	N					
IPML-C	0757	0.0	N					
IPML-D	0759	0.0	N					
SAM-3	0801	0.0	N					
IPML-E	0803	0.0	N					
IPML-F	0805	0.0	N					
SAM-4/5	0807	0.0	N					
IPML-G	0809	0.0	N					
IPML-H	0811	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/20/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10
Calibration (ppm) (if functionality test fails)	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0915	0.0	N					
IPML-A	0917	0.0	N					
SAM1.5	0919	0.0	N					
IPML-B	0921	0.0	N					
SAM-2	0923	0.0	N					
SAM-2.5	0925	0.0	N					
IPML-C	0927	0.0	N					
IPML-D	0929	0.0	N					
SAM-3	0931	0.0	N					
IPML-E	0933	0.0	N					
IPML-F	0935	0.0	N					
SAM-4/5	0937	0.0	N					
IPML-G	0939	0.0	N					
IPML-H	0941	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/20/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10
Calibration (ppm) (if functionality test fails)	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1020	0.0	N					
IPML-A	1022	0.0	N					
SAM1.5	1024	0.0	N					
IPML-B	1026	0.0	N					
SAM-2	1028	0.0	N					
SAM-2.5	1030	0.0	N					
IPML-C	1032	0.0	N					
IPML-D	1034	0.0	N					
SAM-3	1036	0.0	N					
IPML-E	1038	0.0	N					
IPML-F	1040	0.0	N					
SAM-4/5	1042	0.0	N					
IPML-G	1044	0.0	N					
IPML-H	1046	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/20/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10
Calibration (ppm) (if functionality test fails)	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1115	0.0	N					
IPML-A	1117	0.0	N					
SAM1.5	1119	0.0	N					
IPML-B	1121	0.0	N					
SAM-2	1123	0.0	N					
SAM-2.5	1125	0.0	N					
IPML-C	1127	0.0	N					
IPML-D	1129	0.0	N					
SAM-3	1131	0.0	N					
IPML-E	1133	0.0	N					
IPML-F	1135	0.0	N					
SAM-4/5	1137	0.0	N					
IPML-G	1139	0.0	N					
IPML-H	1141	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/20/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10
Calibration (ppm) (if functionality test fails)	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1215	0.0	N					
IPML-A	1217	0.0	N					
SAM1.5	1219	0.0	N					
IPML-B	1221	0.0	N					
SAM-2	1223	0.0	N					
SAM-2.5	1225	0.0	N					
IPML-C	1227	0.0	N					
IPML-D	1229	0.0	N					
SAM-3	1231	0.0	N					
IPML-E	1233	0.0	N					
IPML-F	1235	0.0	N					
SAM-4/5	1237	0.0	N					
IPML-G	1239	0.0	N					
IPML-H	1241	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/20/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10
Calibration (ppm) (if functionality test fails)	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1310	0.0	N					
IPML-A	1312	0.0	N					
SAM1.5	1314	0.0	N					
IPML-B	1316	0.0	N					
SAM-2	1318	0.0	N					
SAM-2.5	1320	0.0	N					
IPML-C	1322	0.0	N					
IPML-D	1324	0.0	N					
SAM-3	1326	0.0	N					
IPML-E	1328	0.0	N					
IPML-F	1330	0.0	N					
SAM-4/5	1332	0.0	N					
IPML-G	1334	0.0	N					
IPML-H	1336	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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PID & GC Readings

Date: 11/20/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10
Calibration (ppm) (if functionality test fails)	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1405	0.0	N					
IPML-A	1407	0.0	N					
SAM1.5	1409	0.0	N					
IPML-B	1411	0.0	N					
SAM-2	1413	0.0	N					
SAM-2.5	1415	0.0	N					
IPML-C	1417	0.0	N					
IPML-D	1419	0.0	N					
SAM-3	1421	0.0	N					
IPML-E	1423	0.0	N					
IPML-F	1425	0.0	N					
SAM-4/5	1427	0.0	N					
IPML-G	1429	0.0	N					
IPML-H	1431	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/20/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	10
Calibration (ppm) (if functionality test fails)	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1500	0.0	N					
IPML-A	1502	0.0	N					
SAM1.5	1504	0.0	N					
IPML-B	1506	0.0	N					
SAM-2	1508	0.0	N					
SAM-2.5	1510	0.0	N					
IPML-C	1512	0.0	N					
IPML-D	1514	0.0	N					
SAM-3	1516	0.0	N					
IPML-E	1518	0.0	N					
IPML-F	1520	0.0	N					
SAM-4/5	1522	0.0	N					
IPML-G	1524	0.0	N					
IPML-H	1526	0.0	N					

Additional Comments:	End of day.

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/21/23	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.89
Calibration (ppm) (if functionality test fails)	

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)	Notify Rolling Meadows Air Team if any tanks are below **50 psi.**
	PID Zero Air (0 ppm)	50	
	PID Span (100 ppm Isobutylene)	100	
	Drager GC (10 ppm Isobutylene/Toluene)	300	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0740	0.0	N					
IPML-A	0742	0.0	N					
SAM1.5	0744	0.0	N					
IPML-B	0746	0.0	N					
SAM-2	0748	0.0	N					
SAM-2.5	0750	0.0	N					
IPML-C	0752	0.0	N					
IPML-D	0754	0.0	N					
SAM-3	0756	0.0	N					
IPML-E	0758	0.0	N					
IPML-F	0800	0.0	N					
SAM-4/5	0802	0.0	N					
IPML-G	0804	0.0	N					
IPML-H	0806	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/21/23	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.89
Calibration (ppm) (if functionality test fails)	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0830	0.0	N					
IPML-A	0832	0.0	N					
SAM1.5	0834	0.0	N					
IPML-B	0836	0.0	N					
SAM-2	0838	0.0	N					
SAM-2.5	0840	0.0	N					
IPML-C	0842	0.0	N					
IPML-D	0844	0.0	N					
SAM-3	0846	0.0	N					
IPML-E	0848	0.0	N					
IPML-F	0850	0.0	N					
SAM-4/5	0852	0.0	N					
IPML-G	0854	0.0	N					
IPML-H	0856	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/21/23	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.89
Calibration (ppm) (if functionality test fails)	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0920	0.0	N					
IPML-A	0923	0.0	N					
SAM1.5	0926	0.0	N					
IPML-B	0928	0.0	N					
SAM-2	0930	0.0	N					
SAM-2.5	0933	0.0	N					
IPML-C	0935	0.0	N					
IPML-D	0937	0.0	N					
SAM-3	0940	0.0	N					
IPML-E	0943	0.0	N					
IPML-F	0935	0.0	N					
SAM-4/5	0947	0.0	N					
IPML-G	0950	0.0	N					
IPML-H	0952	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/21/23	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.89
Calibration (ppm) (if functionality test fails)	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1010	0.0	N					
IPML-A	1012	0.0	N					
SAM1.5	1014	0.0	N					
IPML-B	1016	0.0	N					
SAM-2	1018	0.0	N					
SAM-2.5	1020	0.0	N					
IPML-C	1022	0.0	N					
IPML-D	1024	0.0	N					
SAM-3	1026	0.0	N					
IPML-E	1028	0.0	N					
IPML-F	1030	0.0	N					
SAM-4/5	1032	0.0	N					
IPML-G	1034	0.0	N					
IPML-H	1036	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 11/21/23	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.89
Calibration (ppm) (if functionality test fails)	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1100	0.0	N					
IPML-A	1102	0.0	N					
SAM1.5	1104	0.0	N					
IPML-B	1106	0.0	N					
SAM-2	1108	0.0	N					
SAM-2.5	1110	0.0	N					
IPML-C	1112	0.0	N					
IPML-D	1114	0.0	N					
SAM-3	1116	0.0	N					
IPML-E	1118	0.0	N					
IPML-F	1120	0.0	N					
SAM-4/5	1122	0.0	N					
IPML-G	1124	0.0	N					
IPML-H	1126	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 11/21/23	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.89
Calibration (ppm) (if functionality test fails)	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1200	0.0	N					
IPML-A	1202	0.0	N					
SAM1.5	1204	0.0	N					
IPML-B	1206	0.0	N					
SAM-2	1208	0.0	N					
SAM-2.5	1210	0.0	N					
IPML-C	1212	0.0	N					
IPML-D	1214	0.0	N					
SAM-3	1216	0.0	N					
IPML-E	1218	0.0	N					
IPML-F	1220	0.0	N					
SAM-4/5	1222	0.0	N					
IPML-G	1224	0.0	N					
IPML-H	1226	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/21/23	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.89
Calibration (ppm) (if functionality test fails)	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1330	0.0	N					
IPML-A	1332	0.0	N					
SAM1.5	1334	0.0	N					
IPML-B	1336	0.0	N					
SAM-2	1338	0.0	N					
SAM-2.5	1340	0.0	N					
IPML-C	1342	0.0	N					
IPML-D	1344	0.0	N					
SAM-3	1346	0.0	N					
IPML-E	1348	0.0	N					
IPML-F	1350	0.0	N					
SAM-4/5	1352	0.0	N					
IPML-G	1354	0.0	N					
IPML-H	1356	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/21/23	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.89
Calibration (ppm) (if functionality test fails)	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1420	0.0	N					
IPML-A	1422	0.0	N					
SAM1.5	1424	0.0	N					
IPML-B	1426	0.0	N					
SAM-2	1428	0.0	N					
SAM-2.5	1430	0.0	N					
IPML-C	1432	0.0	N					
IPML-D	1434	0.0	N					
SAM-3	1436	0.0	N					
IPML-E	1438	0.0	N					
IPML-F	1440	0.0	N					
SAM-4/5	1442	0.0	N					
IPML-G	1444	0.0	N					
IPML-H	1446	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/21/23	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	9.89
Calibration (ppm) (if functionality test fails)	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1450	0.0	N					
IPML-A	1452	0.0	N					
SAM1.5	1454	0.0	N					
IPML-B	1456	0.0	N					
SAM-2	1458	0.0	N					
SAM-2.5	1500	0.0	N					
IPML-C	1502	0.0	N					
IPML-D	1504	0.0	N					
SAM-3	1506	0.0	N					
IPML-E	1508	0.0	N					
IPML-F	1510	0.0	N					
SAM-4/5	1512	0.0	N					
IPML-G	1514	0.0	N					
IPML-H	1516	0.0	N					

Additional Comments:	Last site walk of the day.
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/27/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	7.68/8.84
Calibration (ppm) (if functionality test fails)	PASS

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)	
	PID Zero Air (0 ppm)	35	Notify Rolling Meadows Air Team if any tanks are below **50 psi.**
	PID Span (100 ppm Isobutylene)	85	
	Drager GC (10 ppm Isobutylene/Toluene)	250	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0724	0.0	N					
IPML-A	0735	0.0	N					
SAM1.5	0737	0.0	N					
IPML-B	0745	0.1	N					
SAM-2	0748	0.1	N					
SAM-2.5	0758	0.1	N					
IPML-C	0808	0.1	N					
IPML-D	0810	0.1	N					
SAM-3	0812	0.1	N					
IPML-E	0823	0.1	N					
IPML-F	0825	0.1	N					
SAM-4/5	0827	0.1	N					
IPML-G	0849	0.1	N					
IPML-H	0851	0.1	N					

Additional Comments:	Calibration on the Drager does not show a value but if it was successful or not. Elevated readings of 0.1 presumably due to low temperatures.
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/27/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	7.68/8.84
Calibration (ppm) (if functionality test fails)	PASS

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0929	0.1	N					
IPML-A	0931	0.1	N					
SAM1.5	0933	0.1	N					
IPML-B	0935	0.1	N					
SAM-2	0937	0.1	N					
SAM-2.5	0939	0.1	N					
IPML-C	0941	0.1	N					
IPML-D	0943	0.1	N					
SAM-3	0945	0.1	N					
IPML-E	0947	0.1	N					
IPML-F	0949	0.1	N					
SAM-4/5	0951	0.1	N					
IPML-G	0953	0.1	N					
IPML-H	0955	0.1	N					

Additional Comments:	Elevated readings of 0.1 presumably due to low temperatures.
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/27/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	7.68/8.84
Calibration (ppm) (if functionality test fails)	PASS

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1033	0.1	N					
IPML-A	1035	0.0	N					
SAM1.5	1037	0.0	N					
IPML-B	1039	0.0	N					
SAM-2	1041	0.0	N					
SAM-2.5	1043	0.0	N					
IPML-C	1045	0.0	N					
IPML-D	1047	0.0	N					
SAM-3	1049	0.1	N					
IPML-E	1051	0.1	N					
IPML-F	1053	0.1	N					
SAM-4/5	1055	0.1	N					
IPML-G	1057	0.1	N					
IPML-H	1059	0.1	N					

Additional Comments:	Elevated readings of 0.1 presumably due to low temperatures.
Safety Observation/Suggestion:	

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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/27/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	7.68/8.84
Calibration (ppm) (if functionality test fails)	PASS

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1131	0.0	N					
IPML-A	1133	0.0	N					
SAM1.5	1135	0.0	N					
IPML-B	1137	0.0	N					
SAM-2	1139	0.0	N					
SAM-2.5	1141	0.0	N					
IPML-C	1143	0.0	N					
IPML-D	1145	0.0	N					
SAM-3	1147	0.1	N					
IPML-E	1149	0.1	N					
IPML-F	1151	0.1	N					
SAM-4/5	1153	0.1	N					
IPML-G	1155	0.1	N					
IPML-H	1157	0.1	N					

Additional Comments:	Elevated readings of 0.1 presumably due to low temperatures.
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/27/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	7.68/8.84
Calibration (ppm) (if functionality test fails)	PASS

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1221	0.1	N					
IPML-A	1223	0.1	N					
SAM1.5	1225	0.1	N					
IPML-B	1227	0.1	N					
SAM-2	1229	0.1	N					
SAM-2.5	1231	0.1	N					
IPML-C	1233	0.1	N					
IPML-D	1235	0.1	N					
SAM-3	1237	0.1	N					
IPML-E	1239	0.1	N					
IPML-F	1241	0.1	N					
SAM-4/5	1243	0.1	N					
IPML-G	1245	0.1	N					
IPML-H	1247	0.1	N					

Additional Comments:	Elevated readings of 0.1 presumably due to low temperatures.
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/27/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	7.68/8.84
Calibration (ppm) (if functionality test fails)	PASS

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1323	0.0	N					
IPML-A	1325	0.0	N					
SAM1.5	1327	0.0	N					
IPML-B	1329	0.0	N					
SAM-2	1331	0.0	N					
SAM-2.5	1333	0.0	N					
IPML-C	1335	0.0	N					
IPML-D	1337	0.0	N					
SAM-3	1339	0.1	N					
IPML-E	1341	0.1	N					
IPML-F	1343	0.1	N					
SAM-4/5	1345	0.1	N					
IPML-G	1347	0.1	N					
IPML-H	1349	0.1	N					

Additional Comments:	Elevated readings of 0.1 presumably due to low temperatures.
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/27/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	7.68/8.84
Calibration (ppm) (if functionality test fails)	PASS

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1416	0.1	N					
IPML-A	1418	0.1	N					
SAM1.5	1420	0.1	N					
IPML-B	1422	0.1	N					
SAM-2	1424	0.1	N					
SAM-2.5	1426	0.1	N					
IPML-C	1428	0.1	N					
IPML-D	1430	0.1	N					
SAM-3	1432	0.1	N					
IPML-E	1434	0.1	N					
IPML-F	1436	0.1	N					
SAM-4/5	1438	0.1	N					
IPML-G	1440	0.1	N					
IPML-H	1442	0.1	N					

Additional Comments:	Elevated readings of 0.1 presumably due to low temperatures.
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/27/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	7.68/8.84
Calibration (ppm) (if functionality test fails)	PASS

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1507	0.1	N					
IPML-A	1509	0.1	N					
SAM1.5	1511	0.1	N					
IPML-B	1513	0.1	N					
SAM-2	1515	0.1	N					
SAM-2.5	1517	0.1	N					
IPML-C	1519	0.1	N					
IPML-D	1521	0.1	N					
SAM-3	1523	0.1	N					
IPML-E	1525	0.1	N					
IPML-F	1527	0.1	N					
SAM-4/5	1529	0.1	N					
IPML-G	1531	0.1	N					
IPML-H	1533	0.1	N					

Additional Comments:	Elevated readings of 0.1 presumably due to low temperatures.
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/28/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	11.6/11.6
Calibration (ppm) (if functionality test fails)	N/A

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)	
	PID Zero Air (0 ppm)	30	Notify Rolling Meadows Air Team if any tanks are below **50 psi.**
	PID Span (100 ppm Isobutylene)	80	
	Drager GC (10 ppm Isobutylene/Toluene)	225	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0729	0.0	N					
IPML-A	0732	0.0	N					
SAM1.5	0734	0.0	N					
IPML-B	0736	0.0	N					
SAM-2	0738	0.0	N					
SAM-2.5	0740	0.0	N					
IPML-C	0743	0.0	N					
IPML-D	0745	0.0	N					
SAM-3	0747	0.0	N					
IPML-E	0750	0.1	N					
IPML-F	0752	0.1	N					
SAM-4/5	0754	0.1	N					
IPML-G	0758	0.1	N					
IPML-H	0800	0.1	N					

Additional Comments:	Elevated PID readings presumably due to low temperatures.
Safety Observation/Suggestion:	

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	11.6/11.6
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0826	0.1	N					
IPML-A	0828	0.1	N					
SAM1.5	0830	0.1	N					
IPML-B	0832	0.1	N					
SAM-2	0834	0.1	N					
SAM-2.5	0836	0.1	N					
IPML-C	0838	0.1	N					
IPML-D	0840	0.1	N					
SAM-3	0842	0.1	N					
IPML-E	0844	0.1	N					
IPML-F	0846	0.1	N					
SAM-4/5	0848	0.1	N					
IPML-G	0850	0.1	N					
IPML-H	0852	0.1	N					

Additional Comments:	Elevated PID readings presumably due to low temperatures.
Safety Observation/Suggestion:	

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PID & GC Readings

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	11.6/11.6
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0919	0.1	N					
IPML-A	0921	0.1	N					
SAM1.5	0923	0.1	N					
IPML-B	0925	0.1	N					
SAM-2	0927	0.1	N					
SAM-2.5	0929	0.1	N					
IPML-C	0931	0.1	N					
IPML-D	0933	0.1	N					
SAM-3	0935	0.1	N					
IPML-E	0937	0.1	N					
IPML-F	0939	0.1	N					
SAM-4/5	0941	0.1	N					
IPML-G	0943	0.1	N					
IPML-H	0945	0.1	N					

Additional Comments:	Elevated PID readings presumably due to low temperatures.
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/28/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	11.6/11.6
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1015	0.1	N					
IPML-A	1017	0.1	N					
SAM1.5	1019	0.1	N					
IPML-B	1021	0.1	N					
SAM-2	1023	0.1	N					
SAM-2.5	1025	0.1	N					
IPML-C	1027	0.1	N					
IPML-D	1029	0.1	N					
SAM-3	1031	0.1	N					
IPML-E	1033	0.1	N					
IPML-F	1035	0.1	N					
SAM-4/5	1037	0.1	N					
IPML-G	1039	0.1	N					
IPML-H	1041	0.1	N					

Additional Comments:	Elevated PID readings presumably due to low temperatures.
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/28/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	11.6/11.6
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1116	0.0	N					
IPML-A	1118	0.0	N					
SAM1.5	1120	0.0	N					
IPML-B	1122	0.0	N					
SAM-2	1124	0.0	N					
SAM-2.5	1126	0.0	N					
IPML-C	1128	0.1	N					
IPML-D	1130	0.1	N					
SAM-3	1132	0.1	N					
IPML-E	1134	0.1	N					
IPML-F	1136	0.1	N					
SAM-4/5	1138	0.1	N					
IPML-G	1140	0.1	N					
IPML-H	1142	0.1	N					

Additional Comments:	Elevated PID readings presumably due to low temperatures.
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/28/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	11.6/11.6
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1212	0.1	N					
IPML-A	1214	0.0	N					
SAM1.5	1216	0.0	N					
IPML-B	1218	0.0	N					
SAM-2	1220	0.1	N					
SAM-2.5	1222	0.1	N					
IPML-C	1224	0.1	N					
IPML-D	1226	0.1	N					
SAM-3	1228	0.1	N					
IPML-E	1230	0.1	N					
IPML-F	1232	0.1	N					
SAM-4/5	1234	0.1	N					
IPML-G	1236	0.1	N					
IPML-H	1238	0.1	N					

Additional Comments:	Elevated PID readings presumably due to low temperatures.
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/28/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	11.6/11.6
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1315	0.1	N					
IPML-A	1317	0.0	N					
SAM1.5	1319	0.0	N					
IPML-B	1321	0.0	N					
SAM-2	1323	0.0	N					
SAM-2.5	1325	0.1	N					
IPML-C	1327	0.1	N					
IPML-D	1329	0.1	N					
SAM-3	1331	0.1	N					
IPML-E	1333	0.1	N					
IPML-F	1335	0.1	N					
SAM-4/5	1337	0.1	N					
IPML-G	1339	0.1	N					
IPML-H	1341	0.1	N					

Additional Comments:	Elevated PID readings presumably due to low temperatures.
Safety Observation/Suggestion:	

At the end of the day:

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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/28/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	11.6/11.6
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1403	0.1	N					
IPML-A	1405	0.1	N					
SAM1.5	1408	0.1	N					
IPML-B	1410	0.1	N					
SAM-2	1412	0.1	N					
SAM-2.5	1414	0.1	N					
IPML-C	1416	0.1	N					
IPML-D	1418	0.1	N					
SAM-3	1420	0.1	N					
IPML-E	1422	0.1	N					
IPML-F	1424	0.1	N					
SAM-4/5	1426	0.1	N					
IPML-G	1428	0.1	N					
IPML-H	1430	0.1	N					

Additional Comments:	Elevated PID readings presumably due to low temperatures.
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/28/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	11.6/11.6
Calibration (ppm) (if functionality test fails)	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1507	0.1	N					
IPML-A	1509	0.1	N					
SAM1.5	1511	0.1	N					
IPML-B	1513	0.1	N					
SAM-2	1515	0.1	N					
SAM-2.5	1517	0.1	N					
IPML-C	1519	0.1	N					
IPML-D	1521	0.1	N					
SAM-3	1523	0.1	N					
IPML-E	1525	0.1	N					
IPML-F	1527	0.1	N					
SAM-4/5	1529	0.1	N					
IPML-G	1531	0.1	N					
IPML-H	1533	0.1	N					

Additional Comments:	Elevated PID readings presumably due to low temperatures.
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/29/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	12.4
	Toluene:	12.4
Calibration (ppm)	Pass/Fail/NA:	Pass

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	25
	PID Span (100 ppm Isobutylene)	75
	Drager GC (10 ppm Isobutylene/Toluene)	200

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments: 2nd Functionality test passed with 10.0/9.90 ppm

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0723	0.0	N					
IPML-A	0725	0.0	N					
SAM1.5	0727	0.0	N					
IPML-B	0729	0.0	N					
SAM-2	0731	0.0	N					
SAM-2.5	0733	0.0	N					
IPML-C	0735	0.0	N					
IPML-D	0737	0.0	N					
SAM-3	0739	0.0	N					
IPML-E	0744	0.1	N					
IPML-F	0746	0.1	N					
SAM-4/5	0748	0.1	N					
IPML-G	0754	0.1	N					
IPML-H	0756	0.1	N					

Additional Comments:	Elevated readings presumably due to low temperatures.
Safety Observation/Suggestion:	

At the end of the day:

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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/29/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	12.4/12.4
Calibration (ppm) (if functionality test fails)	Pass

PID Readings (1-Minute Average)					Comments:			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0820	0.1	N					
IPML-A	0822	0.1	N					
SAM1.5	0824	0.1	N					
IPML-B	0826	0.1	N					
SAM-2	0828	0.1	N					
SAM-2.5	0830	0.1	N					
IPML-C	0832	0.1	N					
IPML-D	0834	0.1	N					
SAM-3	0836	0.1	N					
IPML-E	0838	0.1	N					
IPML-F	0840	0.1	N					
SAM-4/5	0842	0.1	N					
IPML-G	0844	0.1	N					
IPML-H	0846	0.1	N					

Additional Comments:	Elevated readings presumably due to low temperatures.
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/29/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	12.4/12.4
Calibration (ppm) (if functionality test fails)	Pass

PID Readings (1-Minute Average)					Comments:			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0921	0.1	N					
IPML-A	0923	0.1	N					
SAM1.5	0925	0.0	N					
IPML-B	0927	0.0	N					
SAM-2	0929	0.0	N					
SAM-2.5	0931	0.0	N					
IPML-C	0933	0.0	N					
IPML-D	0935	0.0	N					
SAM-3	0937	0.1	N					
IPML-E	0939	0.1	N					
IPML-F	0941	0.1	N					
SAM-4/5	0943	0.1	N					
IPML-G	0945	0.1	N					
IPML-H	0947	0.1	N					

Additional Comments:	Elevated readings presumably due to low temperatures.
Safety Observation/Suggestion:	

At the end of the day:

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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/29/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	12.4/12.4
Calibration (ppm) (if functionality test fails)	Pass

PID Readings (1-Minute Average)					Comments:			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1015	0.1	N					
IPML-A	1017	0.0	N					
SAM1.5	1019	0.0	N					
IPML-B	1021	0.0	N					
SAM-2	1023	0.0	N					
SAM-2.5	1025	0.0	N					
IPML-C	1027	0.0	N					
IPML-D	1029	0.0	N					
SAM-3	1031	0.0	N					
IPML-E	1033	0.1	N					
IPML-F	1035	0.1	N					
SAM-4/5	1037	0.1	N					
IPML-G	1039	0.1	N					
IPML-H	1041	0.1	N					

Additional Comments:	Elevated readings presumably due to low temperatures.
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/29/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	12.4/12.4
Calibration (ppm) (if functionality test fails)	Pass

PID Readings (1-Minute Average)					Comments:			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1100	0.1	N					
IPML-A	1102	0.1	N					
SAM1.5	1104	0.0	N					
IPML-B	1106	0.1	N					
SAM-2	1108	0.1	N					
SAM-2.5	1110	0.1	N					
IPML-C	1112	0.1	N					
IPML-D	1114	0.1	N					
SAM-3	1116	0.1	N					
IPML-E	1118	0.1	N					
IPML-F	1120	0.1	N					
SAM-4/5	1122	0.1	N					
IPML-G	1124	0.1	N					
IPML-H	1126	0.2	N	Equipment was running nearby				

Additional Comments:	Elevated readings presumably due to low temperatures and equipment exhaust.
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
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Preliminary

PID & GC Readings

Date: 11/29/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	12.4/12.4
Calibration (ppm) (if functionality test fails)	Pass

PID Readings (1-Minute Average)					Comments:			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1204	0.0	N	Sustainability error on ES, Error was fixed				
IPML-A	1208	0.0	N					
SAM1.5	1210	0.0	N					
IPML-B	1212	0.0	N					
SAM-2	1214	0.0	N					
SAM-2.5	1216	0.0	N					
IPML-C	1218	0.0	N					
IPML-D	1220	0.0	N					
SAM-3	1222	0.0	N					
IPML-E	1224	0.0	N					
IPML-F	1226	0.0	N					
SAM-4/5	1228	0.0	N					
IPML-G	1230	0.0	N					
IPML-H	1232	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/29/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	12.4/12.4
Calibration (ppm) (if functionality test fails)	Pass

PID Readings (1-Minute Average)					Comments:			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1307	0.0	N					
IPML-A	1309	0.0	N					
SAM1.5	1311	0.0	N					
IPML-B	1313	0.0	N					
SAM-2	1315	0.0	N					
SAM-2.5	1317	0.0	N					
IPML-C	1319	0.0	N					
IPML-D	1321	0.0	N					
SAM-3	1323	0.0	N					
IPML-E	1325	0.0	N					
IPML-F	1327	0.0	N					
SAM-4/5	1329	0.0	N					
IPML-G	1331	0.0	N					
IPML-H	1333	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
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Preliminary

PID & GC Readings

Date: 11/29/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	12.4/12.4
Calibration (ppm) (if functionality test fails)	Pass

PID Readings (1-Minute Average)					Comments:			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1412	0.0	N					
IPML-A	1414	0.0	N					
SAM1.5	1416	0.0	N					
IPML-B	1418	0.0	N					
SAM-2	1420	0.0	N					
SAM-2.5	1422	0.0	N					
IPML-C	1424	0.0	N					
IPML-D	1426	0.0	N					
SAM-3	1428	0.0	N					
IPML-E	1430	0.0	N					
IPML-F	1432	0.0	N					
SAM-4/5	1434	0.0	N					
IPML-G	1436	0.0	N					
IPML-H	1438	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 11/29/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality/ Calibration (using 10ppm standard)	
Functionality Test (ppm)	12.4/12.4
Calibration (ppm) (if functionality test fails)	Pass

PID Readings (1-Minute Average)					Comments:			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1503	0.0	N					
IPML-A	1505	0.0	N					
SAM1.5	1507	0.0	N					
IPML-B	1509	0.0	N					
SAM-2	1511	0.0	N					
SAM-2.5	1513	0.0	N					
IPML-C	1515	0.0	N					
IPML-D	1517	0.0	N					
SAM-3	1519	0.0	N					
IPML-E	1521	0.0	N					
IPML-F	1523	0.0	N					
SAM-4/5	1525	0.0	N					
IPML-G	1527	0.0	N					
IPML-H	1529	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 11/30/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.5
	Toluene:	10.4
Calibration (ppm)	Pass/Fail/NA:	N/A

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	25
	PID Span (100 ppm Isobutylene)	75
	Drager GC (10 ppm Isobutylene/Toluene)	200

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0731	0.0	N					
IPML-A	0739	0.0	N					
SAM1.5	0741	0.0	N					
IPML-B	0749	0.0	N					
SAM-2	0751	0.0	N					
SAM-2.5	0759	0.0	N					
IPML-C	0807	0.1	N					
IPML-D	0809	0.1	N					
SAM-3	0811	0.1	N					
IPML-E	0821	0.1	N					
IPML-F	0823	0.1	N					
SAM-4/5	0825	0.1	N					
IPML-G	0839	0.1	N					
IPML-H	0841	0.1	N					

Additional Comments:	Elevated readings presumably due to low temperatures
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/30/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.5
	Toluene:	10.4
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0928	0.0	N					
IPML-A	0930	0.0	N					
SAM1.5	0932	0.0	N					
IPML-B	0934	0.0	N					
SAM-2	0936	0.0	N					
SAM-2.5	0938	0.0	N					
IPML-C	0940	0.0	N					
IPML-D	0942	0.0	N					
SAM-3	0944	0.0	N					
IPML-E	0946	0.1	N					
IPML-F	0948	0.1	N					
SAM-4/5	0950	0.1	N					
IPML-G	0952	0.1	N					
IPML-H	0954	0.1	N					

Additional Comments:	Elevated readings presumably due to low temperatures
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/30/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.5
	Toluene:	10.4
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1026	0.0	N					
IPML-A	1028	0.0	N					
SAM1.5	1030	0.0	N					
IPML-B	1032	0.0	N					
SAM-2	1034	0.0	N					
SAM-2.5	1036	0.0	N					
IPML-C	1038	0.0	N					
IPML-D	1040	0.0	N					
SAM-3	1042	0.0	N					
IPML-E	1044	0.0	N					
IPML-F	1046	0.0	N					
SAM-4/5	1048	0.0	N					
IPML-G	1050	0.0	N					
IPML-H	1052	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/30/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.5
	Toluene:	10.4
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1130	0.0	N					
IPML-A	1132	0.0	N					
SAM1.5	1134	0.0	N					
IPML-B	1136	0.0	N					
SAM-2	1138	0.0	N					
SAM-2.5	1140	0.0	N					
IPML-C	1142	0.0	N					
IPML-D	1144	0.0	N					
SAM-3	1146	0.0	N					
IPML-E	1148	0.0	N					
IPML-F	1150	0.0	N					
SAM-4/5	1152	0.0	N					
IPML-G	1154	0.0	N					
IPML-H	1156	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/30/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.5
	Toluene:	10.4
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1215	0.0	N					
IPML-A	1217	0.0	N					
SAM1.5	1219	0.0	N					
IPML-B	1221	0.0	N					
SAM-2	1223	0.0	N					
SAM-2.5	1225	0.0	N					
IPML-C	1227	0.0	N					
IPML-D	1229	0.0	N					
SAM-3	1231	0.0	N					
IPML-E	1233	0.0	N					
IPML-F	1235	0.0	N					
SAM-4/5	1237	0.0	N					
IPML-G	1239	0.0	N					
IPML-H	1241	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/30/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.5
	Toluene:	10.4
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1312	0.0	N					
IPML-A	1318	0.0	N					
SAM1.5	1320	0.0	N					
IPML-B	1322	0.0	N					
SAM-2	1324	0.0	N					
SAM-2.5	1326	0.0	N					
IPML-C	1328	0.0	N					
IPML-D	1330	0.0	N					
SAM-3	1332	0.0	N					
IPML-E	1334	0.0	N					
IPML-F	1336	0.0	N					
SAM-4/5	1338	0.0	N					
IPML-G	1340	0.0	N					
IPML-H	1342	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/30/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.5
	Toluene:	10.4
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1404	0.0	N					
IPML-A	1406	0.0	N					
SAM1.5	1408	0.0	N					
IPML-B	1410	0.0	N					
SAM-2	1413	0.0	N					
SAM-2.5	1415	0.0	N					
IPML-C	1417	0.0	N					
IPML-D	1419	0.0	N					
SAM-3	1421	0.0	N					
IPML-E	1423	0.0	N					
IPML-F	1425	0.0	N					
SAM-4/5	1427	0.0	N					
IPML-G	1429	0.0	N					
IPML-H	1431	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 11/30/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.5
	Toluene:	10.4
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1502	0.0	N					
IPML-A	1504	0.0	N					
SAM1.5	1506	0.0	N					
IPML-B	1508	0.0	N					
SAM-2	1510	0.0	N					
SAM-2.5	1512	0.0	N					
IPML-C	1514	0.0	N					
IPML-D	1516	0.0	N					
SAM-3	1518	0.0	N					
IPML-E	1520	0.0	N					
IPML-F	1522	0.0	N					
SAM-4/5	1524	0.0	N					
IPML-G	1526	0.0	N					
IPML-H	1528	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 12/01/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.7
	Toluene:	10.7
Calibration (ppm)	Pass/Fail/NA:	N/A

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	235
	PID Span (100 ppm Isobutylene)	75
	Drager GC (10 ppm Isobutylene/Toluene)	185

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0731	0.0	N					
IPML-A	0741	0.0	N					
SAM1.5	0743	0.0	N					
IPML-B	0747	0.0	N					
SAM-2	0749	0.0	N					
SAM-2.5	0755	0.0	N					
IPML-C	0759	0.0	N					
IPML-D	0801	0.0	N					
SAM-3	0803	0.0	N					
IPML-E	0808	0.0	N					
IPML-F	0810	0.0	N					
SAM-4/5	0812	0.0	N					
IPML-G	0821	0.0	N					
IPML-H	0823	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/01/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.7
	Toluene:	10.7
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0834	0.0	N					
IPML-A	0836	0.0	N					
SAM1.5	0838	0.0	N					
IPML-B	0840	0.0	N					
SAM-2	0842	0.0	N					
SAM-2.5	0844	0.0	N					
IPML-C	0846	0.0	N					
IPML-D	0848	0.0	N					
SAM-3	0850	0.1	N					
IPML-E	0852	0.0	N					
IPML-F	0854	0.0	N					
SAM-4/5	0856	0.0	N					
IPML-G	0858	0.1	N					
IPML-H	0900	0.1	N					

Additional Comments:	Elevated readings presumably due to low temperatures
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 12/01/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.7
	Toluene:	10.7
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0902	0.1	N					
IPML-A	0904	0.1	N					
SAM1.5	0906	0.1	N					
IPML-B	0908	0.1	N					
SAM-2	0910	0.1	N					
SAM-2.5	0912	0.1	N					
IPML-C	0914	0.1	N					
IPML-D	0916	0.1	N					
SAM-3	0918	0.1	N					
IPML-E	0920	0.1	N					
IPML-F	0922	0.1	N					
SAM-4/5	0924	0.1	N					
IPML-G	0926	0.1	N					
IPML-H	0928	0.1	N					

Additional Comments:	Elevated readings presumably due to low temperatures
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/01/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.7
	Toluene:	10.7
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1020	0.1	N					
IPML-A	1022	0.1	N					
SAM1.5	1024	0.1	N					
IPML-B	1026	0.1	N					
SAM-2	1028	0.0	N					
SAM-2.5	1030	0.1	N					
IPML-C	1032	0.1	N					
IPML-D	1034	0.1	N					
SAM-3	1036	0.1	N					
IPML-E	1038	0.1	N					
IPML-F	1040	0.1	N					
SAM-4/5	1042	0.1	N					
IPML-G	1044	0.1	N					
IPML-H	1046	0.1	N					

Additional Comments:	Elevated readings presumably due to low temperatures or moisture
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/01/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.7
	Toluene:	10.7
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1124	0.1	N					
IPML-A	1126	0.0	N					
SAM1.5	1128	0.0	N					
IPML-B	1130	0.0	N					
SAM-2	1132	0.0	N					
SAM-2.5	1134	0.0	N					
IPML-C	1136	0.0	N					
IPML-D	1138	0.0	N					
SAM-3	1140	0.0	N					
IPML-E	1142	0.1	N					
IPML-F	1144	0.1	N					
SAM-4/5	1146	0.1	N					
IPML-G	1148	0.1	N					
IPML-H	1150	0.1	N					

Additional Comments:	Elevated readings presumably due to low temperatures or moisture
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/01/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.7
	Toluene:	10.7
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1208	0.1	0.0					
IPML-A	1210	0.1	0.0					
SAM1.5	1212	0.1	0.0					
IPML-B	1214	0.1	0.0					
SAM-2	1216	0.1	0.0					
SAM-2.5	1218	0.1	0.0					
IPML-C	1220	0.1	0.0					
IPML-D	1222	0.1	0.0					
SAM-3	1224	0.1	0.0					
IPML-E	1226	0.1	0.0					
IPML-F	1228	0.1	0.0					
SAM-4/5	1230	0.1	0.0					
IPML-G	1232	0.1	0.0					
IPML-H	1234	0.1	0.0					

Additional Comments:	Elevated readings presumably due to low temperatures or moisture
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/01/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.7
	Toluene:	10.7
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1302	0.1	N					
IPML-A	1304	0.1	N					
SAM1.5	1306	0.1	N					
IPML-B	1308	0.1	N					
SAM-2	1310	0.1	N					
SAM-2.5	1312	0.1	N					
IPML-C	1314	0.1	N					
IPML-D	1316	0.1	N					
SAM-3	1318	0.1	N					
IPML-E	1320	0.1	N					
IPML-F	1322	0.1	N					
SAM-4/5	1324	0.1	N					
IPML-G	1326	0.1	N					
IPML-H	1328	0.1	N					

Additional Comments:	Elevated readings presumably due to low temperatures or moisture
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/01/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.7
	Toluene:	10.7
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1404	0.1	N					
IPML-A	1406	0.1	N					
SAM1.5	1408	0.0	N					
IPML-B	1410	0.0	N					
SAM-2	1412	0.0	N					
SAM-2.5	1414	0.0	N					
IPML-C	1416	0.0	N					
IPML-D	1418	0.0	N					
SAM-3	1420	0.1	N					
IPML-E	1422	0.1	N					
IPML-F	1424	0.0	N					
SAM-4/5	1427	0.0	N					
IPML-G	1429	0.0	N					
IPML-H	1431	0.1	N					

Additional Comments:	Elevated readings presumably due to low temperatures or moisture
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/01/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.7
	Toluene:	10.7
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1503	0.0	N					
IPML-A	1505	0.0	N					
SAM1.5	1507	0.0	N					
IPML-B	1509	0.0	N					
SAM-2	1511	0.0	N					
SAM-2.5	1513	0.0	N					
IPML-C	1515	0.0	N					
IPML-D	1517	0.0	N					
SAM-3	1519	0.0	N					
IPML-E	1521	0.0	N					
IPML-F	1523	0.0	N					
SAM-4/5	1525	0.0	N					
IPML-G	1527	0.0	N					
IPML-H	1529	0.1	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/2/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.0
	Toluene:	10.7
Calibration (ppm)	Pass/Fail/NA:	N/A

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	230
	PID Span (100 ppm Isobutylene)	75
	Drager GC (10 ppm Isobutylene/Toluene)	175

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0712	0.0	N					
IPML-A	0715	0.0	N					
SAM1.5	0717	0.0	N					
IPML-B	0719	0.0	N					
SAM-2	0721	0.0	N					
SAM-2.5	0723	0.0	N					
IPML-C	0725	0.0	N					
IPML-D	0727	0.0	N					
SAM-3	0729	0.0	N					
IPML-E	0731	0.0	N					
IPML-F	0733	0.0	N					
SAM-4/5	0735	0.0	N					
IPML-G	0737	0.1	N					
IPML-H	0739	0.1	N					

Additional Comments:	Elevated readings presumably due to low temperatures or excess moisture.
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/2/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.0
	Toluene:	10.7
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0826	0.0	N					
IPML-A	0828	0.0	N					
SAM1.5	0830	0.0	N					
IPML-B	0832	0.0	N					
SAM-2	0834	0.0	N					
SAM-2.5	0836	0.0	N					
IPML-C	0838	0.0	N					
IPML-D	0840	0.0	N					
SAM-3	0842	0.0	N					
IPML-E	0844	0.0	N					
IPML-F	0846	0.1	N					
SAM-4/5	0848	0.1	N					
IPML-G	0850	0.1	N					
IPML-H	0852	0.1	N					

Additional Comments:	Elevated readings presumably due to low temperatures or excess moisture.
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/2/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.0
	Toluene:	10.7
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0918	0.1	N					
IPML-A	0920	0.0	N					
SAM1.5	0922	0.0	N					
IPML-B	0924	0.1	N					
SAM-2	0926	0.1	N					
SAM-2.5	0928	0.1	N					
IPML-C	0930	0.1	N					
IPML-D	0932	0.1	N					
SAM-3	0934	0.1	N					
IPML-E	0936	0.1	N					
IPML-F	0938	0.1	N					
SAM-4/5	0940	0.1	N					
IPML-G	0942	0.1	N					
IPML-H	0944	0.1	N					

Additional Comments:	Elevated readings presumably due to low temperatures or excess moisture.
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/2/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.0
	Toluene:	10.7
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1020	0.1	N					
IPML-A	1022	0.0	N					
SAM1.5	1024	0.0	N					
IPML-B	1026	0.0	N					
SAM-2	1028	0.0	N					
SAM-2.5	1030	0.0	N					
IPML-C	1032	0.0	N					
IPML-D	1034	0.0	N					
SAM-3	1036	0.0	N					
IPML-E	1038	0.0	N					
IPML-F	1040	0.0	N					
SAM-4/5	1042	0.1	N					
IPML-G	1044	0.1	N					
IPML-H	1046	0.1	N					

Additional Comments:	Elevated readings presumably due to low temperatures or excess moisture.
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 12/2/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.0
	Toluene:	10.7
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1110	0.1	N					
IPML-A	1112	0.1	N					
SAM1.5	1114	0.1	N					
IPML-B	1116	0.1	N					
SAM-2	1118	0.1	N					
SAM-2.5	1120	0.1	N					
IPML-C	1122	0.1	N					
IPML-D	1124	0.1	N					
SAM-3	1126	0.1	N					
IPML-E	1128	0.1	N					
IPML-F	1130	0.1	N					
SAM-4/5	1132	0.1	N					
IPML-G	1134	0.1	N					
IPML-H	1136	0.1	N					

Additional Comments:	Elevated readings presumably due to low temperatures or excess moisture.
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 12/2/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.0
	Toluene:	10.7
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1201	0.1	N					
IPML-A	1208	0.0	N					
SAM1.5	1210	0.1	N					
IPML-B	1216	0.1	N					
SAM-2	1218	0.1	N					
SAM-2.5	1226	0.1	N					
IPML-C	1233	0.1	N					
IPML-D	1235	0.1	N					
SAM-3	1237	0.1	N					
IPML-E	1246	0.1	N					
IPML-F	1248	0.1	N					
SAM-4/5	1250	0.1	N					
IPML-G	1302	0.1	N					
IPML-H	1304	0.1	N					

Additional Comments:	Elevated readings presumably due to low temperatures or excess moisture.
Safety Observation/Suggestion:	

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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 12/2/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.0
	Toluene:	10.7
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1318	0.1	N					
IPML-A	1320	0.1	N					
SAM1.5	1322	0.1	N					
IPML-B	1324	0.1	N					
SAM-2	1326	0.1	N					
SAM-2.5	1328	0.1	N					
IPML-C	1330	0.1	N					
IPML-D	1332	0.1	N					
SAM-3	1334	0.1	N					
IPML-E	1336	0.1	N					
IPML-F	1338	0.1	N					
SAM-4/5	1340	0.1	N					
IPML-G	1342	0.1	N					
IPML-H	1344	0.1	N					

Additional Comments:	Elevated readings presumably due to low temperatures or excess moisture.
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 12/2/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.0
	Toluene:	10.7
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1407	0.1	N					
IPML-A	1409	0.1	N					
SAM1.5	1411	0.1	N					
IPML-B	1413	0.1	N					
SAM-2	1415	0.1	N					
SAM-2.5	1417	0.1	N					
IPML-C	1419	0.1	N					
IPML-D	1421	0.1	N					
SAM-3	1423	0.1	N					
IPML-E	1425	0.1	N					
IPML-F	1427	0.1	N					
SAM-4/5	1429	0.1	N					
IPML-G	1431	0.1	N					
IPML-H	1433	0.1	N					

Additional Comments:	Elevated readings presumably due to low temperatures or excess moisture.
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 12/4/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.3
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	NA

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	200
	PID Span (100 ppm Isobutylene)	75
	Drager GC (10 ppm Isobutylene/Toluene)	175

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0752	0.0	N					
IPML-A	0758	0.0	N					
SAM1.5	0759	0.0	N					
IPML-B	0800	0.0	N					
SAM-2	0803	0.0	N					
SAM-2.5	0805	0.0	N					
IPML-C	0807	0.0	N					
IPML-D	0808	0.1	N					
SAM-3	0812	0.1	N					
IPML-E	0814	0.1	N					
IPML-F	0816	0.1	N					
SAM-4/5	0818	0.1	N					
IPML-G	0822	0.1	N					
IPML-H	0824	0.1	N					

Additional Comments:	
Safety Observation/Suggestion:	Very muddy onsite, especially near IMPLE/F and SAM4/5.

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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 12/4/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.3
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0848	0.1	N					
IPML-A	0849	0.1	N					
SAM1.5	0850	0.1	N					
IPML-B	0851	0.1	N					
SAM-2	0852	0.1	N					
SAM-2.5	0853	0.1	N					
IPML-C	0855	0.1	N					
IPML-D	0856	0.1	N					
SAM-3	0858	0.1	N					
IPML-E	0900	0.1	N					
IPML-F	0902	0.1	N					
SAM-4/5	0903	0.1	N					
IPML-G	0905	0.1	N					
IPML-H	0906	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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2. Upload and save all forms in associated project folder.
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Preliminary

PID & GC Readings

Date: 12/04/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.3
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1030	0.2	N					
IPML-A	1032	0.1	N					
SAM1.5	1034	0.1	N					
IPML-B	1036	0.1	N					
SAM-2	1038	0.1	N					
SAM-2.5	1039	0.1	N					
IPML-C	1041	0.1	N					
IPML-D	1043	0.1	N					
SAM-3	1045	0.1	N					
IPML-E	1047	0.1	N					
IPML-F	1049	0.1	N					
SAM-4/5	1050	0.1	N					
IPML-G	1052	0.1	N					
IPML-H	1053	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 12/4/2023	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.3
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0909	0.1	N					
IPML-A	0913	0.1	N					
SAM1.5	0915	0.1	N					
IPML-B	0922	0.1	N					
SAM-2	0924	0.1	N					
SAM-2.5	0926	0.1	N					
IPML-C	0930	0.1	N					
IPML-D	0932	0.1	N					
SAM-3	0934	0.1	N					
IPML-E	0939	0.1	N					
IPML-F	0941	0.1	N					
SAM-4/5	0945	0.1	N					
IPML-G	0948	0.1	N					
IPML-H	0950	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 12/04/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.3
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1117	0.2	N					
IPML-A	1119	0.2	N					
SAM1.5	1121	0.2	N					
IPML-B	1123	0.1	N					
SAM-2	1125	0.1	N					
SAM-2.5	1126	0.1	N					
IPML-C	1128	0.1	N					
IPML-D	1130	0.1	N					
SAM-3	1131	0.1	N					
IPML-E	1133	0.1	N					
IPML-F	1134	0.1	N					
SAM-4/5	1135	0.1	N					
IPML-G	1136	0.1	N					
IPML-H	1137	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 12/4/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.3
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1228	0.1	N					
IPML-A	1230	0.1	N					
SAM1.5	1233	0.1	N					
IPML-B	1235	0.1	N					
SAM-2	1237	0.1	N					
SAM-2.5	1239	0.1	N					
IPML-C	1240	0.1	N					
IPML-D	1242	0.1	N					
SAM-3	1245	0.1	N					
IPML-E	1246	0.1	N					
IPML-F	1249	0.1	N					
SAM-4/5	1251	0.1	N					
IPML-G	1256	0.1	N					
IPML-H	1257	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/4/2023	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.3
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1340	0.2	N					
IPML-A	1342	0.2	N					
SAM1.5	1343	0.2	N					
IPML-B	1345	0.2	N					
SAM-2	1347	0.2	N					
SAM-2.5	1349	0.2	N					
IPML-C	1353	0.2	N					
IPML-D	1355	0.1	N					
SAM-3	1357	0.1	N					
IPML-E	1358	0.2	N					
IPML-F	1400	0.1	N					
SAM-4/5	1402	0.2	N					
IPML-G	1404	0.2	N					
IPML-H	1405	0.2	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 12/4/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.3
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1439	0.2	N					
IPML-A	1441	0.2	N					
SAM1.5	1442	0.2	N					
IPML-B	1444	0.2	N					
SAM-2	1445	0.2	N					
SAM-2.5	1446	0.2	N					
IPML-C	1447	0.2	N					
IPML-D	1448	0.2	N					
SAM-3	1450	0.2	N					
IPML-E	1451	0.2	N					
IPML-F	1453	0.2	N					
SAM-4/5	1455	0.2	N					
IPML-G	1456	0.2	N					
IPML-H	1457	0.2	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/4/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.3
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1530	0.2	N					
IPML-A	1532	0.2	N					
SAM1.5	1533	0.2	N					
IPML-B	1534	0.2	N					
SAM-2	1535	0.2	N					
SAM-2.5	1536	0.2	N					
IPML-C	1538	0.2	N					
IPML-D	1539	0.2	N					
SAM-3	1541	0.2	N					
IPML-E	1543	0.2	N					
IPML-F	1544	0.2	N					
SAM-4/5	1545	0.2	N					
IPML-G	1547	0.2	N					
IPML-H	1548	0.2	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/5/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.3
	Toluene:	10.3
Calibration (ppm)	Pass/Fail/NA:	NA

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	200
	PID Span (100 ppm Isobutylene)	75
	Drager GC (10 ppm Isobutylene/Toluene)	175

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0740	0.0	N					
IPML-A	0742	0.0	N					
SAM1.5	0743	0.0	N					
IPML-B	0744	0.0	N					
SAM-2	0746	0.0	N					
SAM-2.5	0747	0.0	N					
IPML-C	0748	0.0	N					
IPML-D	0750	0.0	N					
SAM-3	0751	0.0	N					
IPML-E	0753	0.0	N					
IPML-F	0755	0.0	N					
SAM-4/5	0756	0.0	N					
IPML-G	0758	0.0	N					
IPML-H	0759	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/5/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.3
	Toluene:	10.3
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0838	0.1	N					
IPML-A	0840	0.1	N					
SAM1.5	0841	0.1	N					
IPML-B	0843	0.1	N					
SAM-2	0844	0.1	N					
SAM-2.5	0846	0.1	N					
IPML-C	0847	0.1	N					
IPML-D	0848	0.1	N					
SAM-3	0851	0.1	N					
IPML-E	0852	0.1	N					
IPML-F	0854	0.1	N					
SAM-4/5	0855	0.1	N					
IPML-G	0857	0.1	N					
IPML-H	0859	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/5/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.3
	Toluene:	10.3
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0937	0.1	N					
IPML-A	0939	0.1	N					
SAM1.5	0940	0.1	N					
IPML-B	0942	0.1	N					
SAM-2	0943	0.1	N					
SAM-2.5	0944	0.1	N					
IPML-C	0945	0.1	N					
IPML-D	0947	0.1	N					
SAM-3	0949	0.1	N					
IPML-E	0950	0.1	N					
IPML-F	0951	0.1	N					
SAM-4/5	0952	0.1	N					
IPML-G	0954	0.1	N					
IPML-H	0955	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/5/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.3
	Toluene:	10.3
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1039	0.1	N					
IPML-A	1041	0.1	N					
SAM1.5	1042	0.1	N					
IPML-B	1043	0.1	N					
SAM-2	1045	0.1	N					
SAM-2.5	1047	0.1	N					
IPML-C	1048	0.1	N					
IPML-D	1050	0.1	N					
SAM-3	1052	0.1	N					
IPML-E	1053	0.1	N					
IPML-F	1055	0.1	N					
SAM-4/5	1057	0.1	N					
IPML-G	1058	0.1	N					
IPML-H	1059\	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/5/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.3
	Toluene:	10.3
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1143	0.1	N					
IPML-A	1145	0.1	N					
SAM1.5	1146	0.1	N					
IPML-B	1147	0.1	N					
SAM-2	1149	0.1	N					
SAM-2.5	1150	0.1	N					
IPML-C	1151	0.1	N					
IPML-D	1153	0.1	N					
SAM-3	1154	0.1	N					
IPML-E	1156	0.1	N					
IPML-F	1157	0.1	N					
SAM-4/5	1158	0.1	N					
IPML-G	1159	0.1	N					
IPML-H	1201	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/5/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.3
	Toluene:	10.3
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1235	0.1	N					
IPML-A	1235	0.1	N					
SAM1.5	1238	0.1	N					
IPML-B	1239	0.1	N					
SAM-2	1240	0.1	N					
SAM-2.5	1241	0.1	N					
IPML-C	1242	0.1	N					
IPML-D	1243	0.1	N					
SAM-3	1245	0.1	N					
IPML-E	1246	0.1	N					
IPML-F	1248	0.1	N					
SAM-4/5	1249	0.1	N					
IPML-G	1250	0.1	N					
IPML-H	1251	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/5/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.3
	Toluene:	10.3
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1332	0.1	N					
IPML-A	1334	0.1	N					
SAM1.5	1336	0.1	N					
IPML-B	1337	0.1	N					
SAM-2	1338	0.1	N					
SAM-2.5	1339	0.1	N					
IPML-C	1341	0.1	N					
IPML-D	1342	0.1	N					
SAM-3	1344	0.1	N					
IPML-E	1345	0.1	N					
IPML-F	1347	0.1	N					
SAM-4/5	1348	0.1	N					
IPML-G	1349	0.1	N					
IPML-H	1351	0.1	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/5/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.3
	Toluene:	10.3
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1434	0.1	N					
IPML-A	1435	0.1	N					
SAM1.5	1436	0.1	N					
IPML-B	1437	0.1	N					
SAM-2	1439	0.1	N					
SAM-2.5	1440	0.1	N					
IPML-C	1441	0.1	N					
IPML-D	1443	0.1	N					
SAM-3	1444	0.1	N					
IPML-E	1446	0.1	N					
IPML-F	1447	0.1	N					
SAM-4/5	1448	0.1	N					
IPML-G	1449	0.1	N					
IPML-H	1451	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/5/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.3
	Toluene:	10.3
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1502	0.2	N					
IPML-A	1503	0.2	N					
SAM1.5	1505	0.2	N					
IPML-B	1506	0.2	N					
SAM-2	1507	0.2	N					
SAM-2.5	1508	0.2	N					
IPML-C	1509	0.1	N					
IPML-D	1511	0.1	N					
SAM-3	1513	0.1	N					
IPML-E	1514	0.1	N					
IPML-F	1515	0.1	N					
SAM-4/5	1517	0.1	N					
IPML-G	1518	0.1	N					
IPML-H	1519	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 12/6/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	106.6

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.1
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	na

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	200
	PID Span (100 ppm Isobutylene)	75
	Drager GC (10 ppm Isobutylene/Toluene)	175

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0742	0.1	N					
IPML-A	0743	0.0	N					
SAM1.5	0745	0.0	N					
IPML-B	0746	0.0	N					
SAM-2	0747	0.0	N					
SAM-2.5	0748	0.0	N					
IPML-C	0750	0.0	N					
IPML-D	0751	0.0	N					
SAM-3	0753	0.0	N					
IPML-E	0755	0.0	N					
IPML-F	0757	0.0	N					
SAM-4/5	0759	0.1	N					
IPML-G	0800	0.1	N					
IPML-H	0801	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/6/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	106.6

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.1
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	na

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0828	0.1	N					
IPML-A	0830	0.1	N					
SAM1.5	0831	0.1	N					
IPML-B	0832	0.1	N					
SAM-2	0833	0.1	N					
SAM-2.5	0834	0.1	N					
IPML-C	0835	0.1	N					
IPML-D	0837	0.1	N					
SAM-3	0839	0.1	N					
IPML-E	0841	0.1	N					
IPML-F	0842	0.1	N					
SAM-4/5	0843	0.1	N					
IPML-G	0845	0.1	N					
IPML-H	0846	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/6/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	106.6

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.1
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	na

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0926	0.1	N					
IPML-A	0928	0.1	N					
SAM1.5	0929	0.1	N					
IPML-B	0930	0.1	N					
SAM-2	0931	0.1	N					
SAM-2.5	0932	0.1	N					
IPML-C	0934	0.1	N					
IPML-D	0935	0.1	N					
SAM-3	0937	0.1	N					
IPML-E	0939	0.1	N					
IPML-F	0940	0.1	N					
SAM-4/5	0941	0.1	N					
IPML-G	0943	0.1	N					
IPML-H	0944	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/6/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	106.6

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.1
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	na

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1034	0.1	N					
IPML-A	1036	0.1	N					
SAM1.5	1037	0.1	N					
IPML-B	1038	0.1	N					
SAM-2	1039	0.1	N					
SAM-2.5	1040	0.1	N					
IPML-C	1042	0.1	N					
IPML-D	1043	0.1	N					
SAM-3	1045	0.1	N					
IPML-E	1046	0.1	N					
IPML-F	1047	0.1	N					
SAM-4/5	1049	0.1	N					
IPML-G	1050	0.1	N					
IPML-H	1051	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/6/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	106.6

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.1
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	na

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1129	0.1	N					
IPML-A	1131	0.1	N					
SAM1.5	1132	0.1	N					
IPML-B	1134	0.1	N					
SAM-2	1135	0.1	N					
SAM-2.5	1136	0.1	N					
IPML-C	1138	0.1	N					
IPML-D	1139	0.1	N					
SAM-3	1141	0.1	N					
IPML-E	1142	0.1	N					
IPML-F	1144	0.1	N					
SAM-4/5	1145	0.1	N					
IPML-G	1146	0.1	N					
IPML-H	1147	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/6/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	106.6

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.1
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	na

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1228	0.1	N					
IPML-A	1231	0.1	N					
SAM1.5	1232	0.1	N					
IPML-B	1234	0.1	N					
SAM-2	1235	0.1	N					
SAM-2.5	1236	0.1	N					
IPML-C	1238	0.1	N					
IPML-D	1239	0.1	N					
SAM-3	1241	0.1	N					
IPML-E	1242	0.1	N					
IPML-F	1244	0.1	N					
SAM-4/5	1245	0.1	N					
IPML-G	1246	0.1	N					
IPML-H	1247	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/6/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	106.6

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.1
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	na

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1333	0.1	N					
IPML-A	1335	0.1	N					
SAM1.5	1336	0.1	N					
IPML-B	1338	0.1	N					
SAM-2	1340	0.1	N					
SAM-2.5	1341	0.1	N					
IPML-C	1342	0.1	N					
IPML-D	1343	0.1	N					
SAM-3	1344	0.1	N					
IPML-E	1346	0.1	N					
IPML-F	1347	0.1	N					
SAM-4/5	1348	0.1	N					
IPML-G	1349	0.1	N					
IPML-H	1350	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/6/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	106.6

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.1
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	na

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1419	0.1	N					
IPML-A	1420	0.1	N					
SAM1.5	1422	0.1	N					
IPML-B	1423	0.1	N					
SAM-2	1424	0.1	N					
SAM-2.5	1425	0.1	N					
IPML-C	1426	0.1	N					
IPML-D	1427	0.1	N					
SAM-3	1429	0.1	N					
IPML-E	1430	0.1	N					
IPML-F	1431	0.1	N					
SAM-4/5	1432	0.1	N					
IPML-G	1433	0.1	N					
IPML-H	1434	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/6/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	106.6

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.1
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	na

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1501	0.1	N					
IPML-A	1502	0.1	N					
SAM1.5	1503	0.1	N					
IPML-B	1504	0.1	N					
SAM-2	1506	0.1	N					
SAM-2.5	1507	0.1	N					
IPML-C	1508	0.1	N					
IPML-D	1509	0.1	N					
SAM-3	1510	0.1	N					
IPML-E	1512	0.1	N					
IPML-F	1513	0.1	N					
SAM-4/5	1515	0.1	N					
IPML-G	1516	0.1	N					
IPML-H	1517	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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2. Upload and save all forms in associated project folder.
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Preliminary

PID & GC Readings

Date: 12/7/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	104.7

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.8
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	na

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	195
	PID Span (100 ppm Isobutylene)	75
	Drager GC (10 ppm Isobutylene/Toluene)	175

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0742	0.0	N					
IPML-A	0744	0.0	N					
SAM1.5	0745	0.0	N					
IPML-B	0746	0.0	N					
SAM-2	0747	0.0	N					
SAM-2.5	0748	0.0	N					
IPML-C	0750	0.0	N					
IPML-D	0751	0.0	N					
SAM-3	0752	0.0	N					
IPML-E	0754	0.0	N					
IPML-F	0755	0.0	N					
SAM-4/5	0758	0.1	N					
IPML-G	0759	0.1	N					
IPML-H	0800	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/7/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	104.7

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.8
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	na

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0837	0.1	N					
IPML-A	0839	0.1	N					
SAM1.5	0841	0.1	N					
IPML-B	0842	0.1	N					
SAM-2	0844	0.1	N					
SAM-2.5	0845	0.1	N					
IPML-C	0846	0.1	N					
IPML-D	0847	0.1	N					
SAM-3	0848	0.1	N					
IPML-E	0850	0.1	N					
IPML-F	0851	0.1	N					
SAM-4/5	0853	0.1	N					
IPML-G	0854	0.1	N					
IPML-H	0855	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 12/7/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	104.7

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.8
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	na

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0939	0.1	N					
IPML-A	0941	0.1	N					
SAM1.5	0942	0.1	N					
IPML-B	0943	0.1	N					
SAM-2	0944	0.1	N					
SAM-2.5	0945	0.1	N					
IPML-C	0947	0.1	N					
IPML-D	0948	0.1	N					
SAM-3	0950	0.1	N					
IPML-E	0951	0.1	N					
IPML-F	0953	0.1	N					
SAM-4/5	0954	0.1	N					
IPML-G	0955	0.1	N					
IPML-H	0956	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/7/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	104.7

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.8
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	na

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1029	0.1	N					
IPML-A	1030	0.1	N					
SAM1.5	1032	0.1	N					
IPML-B	1033	0.1	N					
SAM-2	1035	0.1	N					
SAM-2.5	1036	0.1	N					
IPML-C	1037	0.1	N					
IPML-D	1038	0.1	N					
SAM-3	1040	0.1	N					
IPML-E	1041	0.1	N					
IPML-F	1042	0.1	N					
SAM-4/5	1044	0.1	N					
IPML-G	1045	0.1	N					
IPML-H	1046	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/7/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	104.7

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.8
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	na

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1140	0.1	N					
IPML-A	1142	0.1	N					
SAM1.5	1147	0.1	N					
IPML-B	1149	0.1	N					
SAM-2	1153	0.1	N					
SAM-2.5	1158	0.1	N					
IPML-C	1201	0.0	N					
IPML-D	1202	0.0	N					
SAM-3	1207	0.0	N					
IPML-E	1208	0.0	N					
IPML-F	1209	0.0	N					
SAM-4/5	1210	0.0	N					
IPML-G	1211	0.0	N					
IPML-H	1212	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/7/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	104.7

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.8
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	na

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1245	0.1	N					
IPML-A	1248	0.1	N					
SAM1.5	1249	0.1	N					
IPML-B	1250	0.1	N					
SAM-2	1252	0.1	N					
SAM-2.5	1253	0.1	N					
IPML-C	1255	0.1	N					
IPML-D	1256	0.1	N					
SAM-3	1257	0.0	N					
IPML-E	1259	0.0	N					
IPML-F	1301	0.0	N					
SAM-4/5	1302	0.0	N					
IPML-G	1304	0.0	N					
IPML-H	1305	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/7/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	104.7

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.8
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	na

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1335	0.1	N					
IPML-A	1337	0.1	N					
SAM1.5	1338	0.1	N					
IPML-B	1340	0.0	N					
SAM-2	1341	0.0	N					
SAM-2.5	1342	0.0	N					
IPML-C	1344	0.0	N					
IPML-D	1345	0.0	N					
SAM-3	1346	0.0	N					
IPML-E	1348	0.0	N					
IPML-F	1349	0.0	N					
SAM-4/5	1351	0.0	N					
IPML-G	1352	0.0	N					
IPML-H	1353	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	104.7

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.8
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	na

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1418	0.1	N					
IPML-A	1420	0.1	N					
SAM1.5	1421	0.1	N					
IPML-B	1423	0.1	N					
SAM-2	1424	0.0	N					
SAM-2.5	1425	0.0	N					
IPML-C	1427	0.0	N					
IPML-D	1428	0.0	N					
SAM-3	1430	0.0	N					
IPML-E	1431	0.0	N					
IPML-F	1432	0.0	N					
SAM-4/5	1434	0.0	N					
IPML-G	1435	0.0	N					
IPML-H	1436	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/7/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	104.7

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.8
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	na

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1507	0.0	N					
IPML-A	1509	0.0	N					
SAM1.5	1510	0.0	N					
IPML-B	1511	0.0	N					
SAM-2	1513	0.0	N					
SAM-2.5	1514	0.0	N					
IPML-C	1515	0.0	N					
IPML-D	1516	0.0	N					
SAM-3	1517	0.0	N					
IPML-E	1519	0.0	N					
IPML-F	1520	0.0	N					
SAM-4/5	1521	0.0	N					
IPML-G	1522	0.0	N					
IPML-H	1523	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/8/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	103.2

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.7
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	na

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	190
	PID Span (100 ppm Isobutylene)	75
	Drager GC (10 ppm Isobutylene/Toluene)	170

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0744	0.1	N					
IPML-A	0746	0.1	N					
SAM1.5	0749	0.1	N					
IPML-B	0751	0.1	N					
SAM-2	0753	0.1	N					
SAM-2.5	0755	0.1	N					
IPML-C	0757	0.1	N					
IPML-D	0758	0.1	N					
SAM-3	0801	0.1	N					
IPML-E	0803	0.1	N					
IPML-F	0805	0.1	N					
SAM-4/5	0811	0.1	N					
IPML-G	0813	0.1	N					
IPML-H	0815	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/8/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	103.2

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.7
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	na

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0840	0.2	N					
IPML-A	0842	0.2	N					
SAM1.5	0843	0.2	N					
IPML-B	0844	0.2	N					
SAM-2	0846	0.1	N					
SAM-2.5	0847	0.1	N					
IPML-C	0849	0.1	N					
IPML-D	0850	0.1	N					
SAM-3	0852	0.1	N					
IPML-E	0853	0.1	N					
IPML-F	0855	0.1	N					
SAM-4/5	0856	0.1	N					
IPML-G	0857	0.1	N					
IPML-H	0858	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/8/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	103.2

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.7
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	na

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0936	0.2	N					
IPML-A	0937	0.2	N					
SAM1.5	0939	0.2	N					
IPML-B	0940	0.2	N					
SAM-2	0942	0.2	N					
SAM-2.5	0943	0.2	N					
IPML-C	0945	0.2	N					
IPML-D	0946	0.2	N					
SAM-3	0948	0.2	N					
IPML-E	0949	0.2	N					
IPML-F	0951	0.2	N					
SAM-4/5	0952	0.2	N					
IPML-G	0954	0.2	N					
IPML-H	0955	0.2	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/8/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	103.2

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.7
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	na

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1036	0.2	N					
IPML-A	1037	0.2	N					
SAM1.5	1038	0.2	N					
IPML-B	1039	0.2	N					
SAM-2	1041	0.2	N					
SAM-2.5	1043	0.2	N					
IPML-C	1045	0.2	N					
IPML-D	1047	0.2	N					
SAM-3	1049	0.2	N					
IPML-E	1051	0.2	N					
IPML-F	1053	0.2	N					
SAM-4/5	1054	0.2	N					
IPML-G	1056	0.2	N					
IPML-H	1057	0.2	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/8/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	103.2

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.7
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	na

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1139	0.2	N					
IPML-A	1141	0.2	N					
SAM1.5	1142	0.2	N					
IPML-B	1144	0.2	N					
SAM-2	1146	0.2	N					
SAM-2.5	1147	0.2	N					
IPML-C	1148	0.2	N					
IPML-D	1150	0.1	N					
SAM-3	1152	0.1	N					
IPML-E	1153	0.1	N					
IPML-F	1154	0.1	N					
SAM-4/5	1155	0.1	N					
IPML-G	1156	0.1	N					
IPML-H	1157	0.1	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 12/8/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	103.2

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.7
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	na

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1244	0.2	N					
IPML-A	1246	0.2	N					
SAM1.5	1247	0.2	N					
IPML-B	1248	0.2	N					
SAM-2	1249	0.2	N					
SAM-2.5	1250	0.2	N					
IPML-C	1251	0.2	N					
IPML-D	1252	0.2	N					
SAM-3	1254	0.2	N					
IPML-E	1255	0.2	N					
IPML-F	1256	0.2	N					
SAM-4/5	1258	0.2	N					
IPML-G	1259	0.2	N					
IPML-H	1300	0.2	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/8/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	103.2

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.7
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	na

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1337	0.2	N					
IPML-A	1339	0.2	N					
SAM1.5	1340	0.2	N					
IPML-B	1342	0.2	N					
SAM-2	1343	0.2	N					
SAM-2.5	1344	0.2	N					
IPML-C	1346	0.2	N					
IPML-D	1347	0.2	N					
SAM-3	1349	0.2	N					
IPML-E	1350	0.2	N					
IPML-F	1352	0.2	N					
SAM-4/5	1353	0.2	N					
IPML-G	1354	0.2	N					
IPML-H	1356	0.2	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/8/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	103.2

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.7
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	na

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1442	0.2	N	wood fire-like odor				
IPML-A	1444	0.2	N	wood smoke-like odor				
SAM1.5	1445	0.2	N	wood smoke-like odor				
IPML-B	1447	0.2	N	wood smoke-like odor				
SAM-2	1448	0.2	N	wood smoke-like odor				
SAM-2.5	1449	0.2	N	wood smoke-like odor				
IPML-C	1450	0.2	N	wood smoke-like odor				
IPML-D	1452	0.2	N	wood smoke-like odor				
SAM-3	1454	0.2	N	wood smoke-like odor				
IPML-E	1455	0.2	N	wood smoke-like odor				
IPML-F	1456	0.2	N	wood smoke-like odor				
SAM-4/5	1458	0.2	N	wood smoke-like odor				
IPML-G	1459	0.2	N	wood smoke-like odor				
IPML-H	1500	0.2	N	wood smoke-like odor				

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/8/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	103.2

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.7
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	na

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1510	0.2	N	wood smoke-like odor				
IPML-A	1512	0.2	N	wood smoke-like odor				
SAM1.5	1513	0.2	N	wood smoke-like odor				
IPML-B	1514	0.2	N	wood smoke-like odor				
SAM-2	1516	0.2	N	wood smoke-like odor				
SAM-2.5	1517	0.2	N	wood smoke-like odor				
IPML-C	1518	0.2	N	wood smoke-like odor				
IPML-D	1520	0.2	N	wood smoke-like odor				
SAM-3	1521	0.2	N	wood smoke-like odor				
IPML-E	1523	0.2	N	wood smoke-like odor				
IPML-F	1524	0.2	N	wood smoke-like odor				
SAM-4/5	1525	0.2	N	wood smoke-like odor				
IPML-G	1527	0.2	N	wood smoke-like odor				
IPML-H	1528	0.2	N	wood smoke-like odor				

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/9/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	104.6

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.8
	Toluene:	9.86
Calibration (ppm)	Pass/Fail/NA:	na

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	175
	PID Span (100 ppm Isobutylene)	70
	Drager GC (10 ppm Isobutylene/Toluene)	160

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0732	0.1	N					
IPML-A	0733	0.1	N					
SAM1.5	0735	0.1	N					
IPML-B	0737	0.1	N					
SAM-2	0738	0.1	N					
SAM-2.5	0740	0.1	N					
IPML-C	0742	0.1	N					
IPML-D	0743	0.1	N					
SAM-3	0745	0.1	N					
IPML-E	0747	0.1	N					
IPML-F	0748	0.1	N					
SAM-4/5	0751	0.1	N					
IPML-G	0753	0.1	N					
IPML-H	0754	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/9/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	104.6

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.8
	Toluene:	9.86
Calibration (ppm)	Pass/Fail/NA:	na

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0838	0.2	N					
IPML-A	0840	0.2	N					
SAM1.5	0842	0.2	N					
IPML-B	0843	0.2	N					
SAM-2	0845	0.2	N					
SAM-2.5	0847	0.2	N					
IPML-C	0848	0.2	N					
IPML-D	0849	0.2	N					
SAM-3	0851	0.2	N					
IPML-E	0852	0.2	N					
IPML-F	0854	0.2	N					
SAM-4/5	0856	0.2	N					
IPML-G	0857	0.2	N					
IPML-H	0858	0.2	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/9/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	104.6

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.8
	Toluene:	9.86
Calibration (ppm)	Pass/Fail/NA:	na

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0931	0.2	N					
IPML-A	0933	0.2	N					
SAM1.5	0935	0.2	N					
IPML-B	0936	0.2	N					
SAM-2	0938	0.2	N					
SAM-2.5	0939	0.2	N					
IPML-C	0941	0.2	N					
IPML-D	0943	0.2	N					
SAM-3	0944	0.2	N					
IPML-E	0946	0.2	N					
IPML-F	0948	0.2	N					
SAM-4/5	0949	0.2	N					
IPML-G	0951	0.2	N					
IPML-H	0952	0.2	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/9/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	104.6

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.8
	Toluene:	9.86
Calibration (ppm)	Pass/Fail/NA:	na

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1038	0.2	N					
IPML-A	1040	0.2	N					
SAM1.5	1042	0.2	N					
IPML-B	1043	0.2	N					
SAM-2	1045	0.2	N					
SAM-2.5	1046	0.2	N					
IPML-C	1047	0.2	N					
IPML-D	1048	0.2	N					
SAM-3	1050	0.2	N					
IPML-E	1051	0.2	N					
IPML-F	1053	0.2	N					
SAM-4/5	1054	0.2	N					
IPML-G	1055	0.2	N					
IPML-H	1056	0.2	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/9/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	104.6

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.8
	Toluene:	9.86
Calibration (ppm)	Pass/Fail/NA:	na

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1129	0.1	N					
IPML-A	1131	0.1	N					
SAM1.5	1134	0.1	N					
IPML-B	1136	0.1	N					
SAM-2	1139	0.1	N					
SAM-2.5	1143	0.1	N					
IPML-C	1144	0.1	N					
IPML-D	1145	0.1	N					
SAM-3	1149	0.1	N					
IPML-E	1151	0.1	N					
IPML-F	1152	0.1	N					
SAM-4/5	1157	0.1	N					
IPML-G	1158	0.1	N					
IPML-H	1159	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/9/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	104.6

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.8
	Toluene:	9.86
Calibration (ppm)	Pass/Fail/NA:	na

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1239	0.1	N					
IPML-A	1240	0.1	N					
SAM1.5	1242	0.1	N					
IPML-B	1244	0.1	N					
SAM-2	1246	0.1	N					
SAM-2.5	1248	0.0	N					
IPML-C	1250	0.0	N					
IPML-D	1251	0.0	N					
SAM-3	1253	0.1	N					
IPML-E	1255	0.0	N					
IPML-F	1256	0.1	N					
SAM-4/5	1257	0.1	N					
IPML-G	1258	0.1	N					
IPML-H	1259	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/9/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	104.6

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.8
	Toluene:	9.86
Calibration (ppm)	Pass/Fail/NA:	na

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1326	0.0	N					
IPML-A	1328	0.0	N					
SAM1.5	1329	0.0	N					
IPML-B	1330	0.0	N					
SAM-2	1331	0.0	N					
SAM-2.5	1333	0.0	N					
IPML-C	1334	0.0	N					
IPML-D	1335	0.0	N					
SAM-3	1337	0.0	N					
IPML-E	1338	0.0	N					
IPML-F	1340	0.0	N					
SAM-4/5	1341	0.1	N					
IPML-G	1342	0.1	N					
IPML-H	1343	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 12/9/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	104.6

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.8
	Toluene:	9.86
Calibration (ppm)	Pass/Fail/NA:	na

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1407	0.1	wood fire-like odor					
IPML-A	1409	0.1	wood fire-like odor					
SAM1.5	1411	0.1	wood fire-like odor					
IPML-B	1412	0.1	wood fire-like odor					
SAM-2	1413	0.0	wood fire-like odor					
SAM-2.5	1415	0.0	wood fire-like odor					
IPML-C	1416	0.0	wood fire-like odor					
IPML-D	1418	0.0	wood fire-like odor					
SAM-3	1419	0.1	wood fire-like odor					
IPML-E	1420	0.1	wood fire-like odor					
IPML-F	1421	0.1	wood fire-like odor					
SAM-4/5	1422	0.1	wood fire-like odor					
IPML-G	1424	0.1	wood fire-like odor					
IPML-H	1425	0.1	wood fire-like odor					

Additional Comments:	

Safety Observation/Suggestion:	

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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 12/9/23	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	104.6

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.8
	Toluene:	9.86
Calibration (ppm)	Pass/Fail/NA:	na

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1502	0.0	WOOD FIRE-LIKE ODOR					
IPML-A	1503	0.0	WOOD FIRE-LIKE ODOR					
SAM1.5	1505	0.0	WOOD FIRE-LIKE ODOR					
IPML-B	1506	0.0	WOOD FIRE-LIKE ODOR					
SAM-2	1507	0.0	WOOD FIRE-LIKE ODOR					
SAM-2.5	1508	0.0	WOOD FIRE-LIKE ODOR					
IPML-C	1510	0.0	WOOD FIRE-LIKE ODOR					
IPML-D	1511	0.0	WOOD FIRE-LIKE ODOR					
SAM-3	1512	0.0	WOOD FIRE-LIKE ODOR					
IPML-E	1513	0.1	WOOD FIRE-LIKE ODOR					
IPML-F	1515	0.1	WOOD FIRE-LIKE ODOR					
SAM-4/5	1516	0.1	WOOD FIRE-LIKE ODOR					
IPML-G	1517	0.1	WOOD FIRE-LIKE ODOR					
IPML-H	1518	0.1	WOOD FIRE-LIKE ODOR					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/11/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.6
	Toluene:	10.1
Calibration (ppm)	Pass/Fail/NA:	N/A

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	170
	PID Span (100 ppm Isobutylene)	60
	Drager GC (10 ppm Isobutylene/Toluene)	50

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0722	0.0	N					
IPML-A	0742	0.1	N					
SAM1.5	0744	0.1	N					
IPML-B	0755	0.1	N					
SAM-2	0757	0.1	N					
SAM-2.5	0807	0.1	N					
IPML-C	0817	0.1	N					
IPML-D	0819	0.1	N					
SAM-3	0822	0.1	N					
IPML-E	0834	0.1	N					
IPML-F	0836	0.1	N					
SAM-4/5	0838	0.1	N					
IPML-G	0854	0.1	N					
IPML-H	0856	0.1	N					

Additional Comments:	evated reading presumably due to low temperatures. PID shut off by itself after the last reading. PID was recalibrated - Calibration successful. PID will now be partially placed in coat pocket to stay wa
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/11/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.6
	Toluene:	10.1
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0929	0.0	N					
IPML-A	0931	0.0	N					
SAM1.5	0933	0.0	N					
IPML-B	0935	0.0	N					
SAM-2	0937	0.0	N					
SAM-2.5	0939	0.0	N					
IPML-C	0941	0.0	N					
IPML-D	0943	0.0	N					
SAM-3	0945	0.0	N					
IPML-E	0947	0.0	N					
IPML-F	0949	0.0	N					
SAM-4/5	0951	0.0	N					
IPML-G	0953	0.0	N					
IPML-H	0955	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/11/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.6
	Toluene:	10.1
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1110	0.0	N					
IPML-A	1112	0.0	N					
SAM1.5	1114	0.0	N					
IPML-B	1116	0.0	N					
SAM-2	1118	0.0	N					
SAM-2.5	1120	0.0	N					
IPML-C	1122	0.0	N					
IPML-D	1124	0.0	N					
SAM-3	1126	0.0	N					
IPML-E	1128	0.0	N					
IPML-F	1130	0.0	N					
SAM-4/5	1132	0.0	N					
IPML-G	1134	0.0	N					
IPML-H	1136	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/11/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.6
	Toluene:	10.1
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1218	0.0	N					
IPML-A	1220	0.0	N					
SAM1.5	1222	0.0	N					
IPML-B	1224	0.0	N					
SAM-2	1226	0.0	N					
SAM-2.5	1228	0.0	N					
IPML-C	1230	0.0	N					
IPML-D	1232	0.0	N					
SAM-3	1234	0.0	N					
IPML-E	1236	0.0	N					
IPML-F	1238	0.0	N					
SAM-4/5	1240	0.0	N					
IPML-G	1242	0.0	N					
IPML-H	1244	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/11/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.6
	Toluene:	10.1
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1315	0.0	N					
IPML-A	1317	0.0	N					
SAM1.5	1319	0.0	N					
IPML-B	1321	0.0	N					
SAM-2	1325	0.0	N					
SAM-2.5	1327	0.0	N					
IPML-C	1329	0.0	N					
IPML-D	1331	0.0	N					
SAM-3	1333	0.0	N					
IPML-E	1335	0.0	N					
IPML-F	1337	0.0	N					
SAM-4/5	1339	0.0	N					
IPML-G	1341	0.0	N					
IPML-H	1343	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 12/11/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.6
	Toluene:	10.1
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1405	0.0	N					
IPML-A	1407	0.0	N					
SAM1.5	1409	0.0	N					
IPML-B	1411	0.0	N					
SAM-2	1413	0.0	N					
SAM-2.5	1415	0.0	N					
IPML-C	1417	0.0	N					
IPML-D	1419	0.0	N					
SAM-3	1421	0.0	N					
IPML-E	1423	0.0	N					
IPML-F	1425	0.0	N					
SAM-4/5	1427	0.0	N					
IPML-G	1429	0.0	N					
IPML-H	1431	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 12/11/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.6
	Toluene:	10.1
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1500	0.0	N					
IPML-A	1502	0.0	N					
SAM1.5	1504	0.0	N					
IPML-B	1506	0.0	N					
SAM-2	1508	0.0	N					
SAM-2.5	1510	0.0	N					
IPML-C	1512	0.0	N					
IPML-D	1514	0.0	N					
SAM-3	1516	0.0	N					
IPML-E	1518	0.0	N					
IPML-F	1520	0.0	N					
SAM-4/5	1522	0.0	N					
IPML-G	1524	0.0	N					
IPML-H	1526	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 12/12/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.9
	Toluene:	10.1
Calibration (ppm)	Pass/Fail/NA:	N/A

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	160
	PID Span (100 ppm Isobutylene)	50
	Drager GC (10 ppm Isobutylene/Toluene)	500

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0722	0.0	N					
IPML-A	0726	0.0	N					
SAM1.5	0728	0.0	N					
IPML-B	0730	0.0	N					
SAM-2	0732	0.0	N					
SAM-2.5	0735	0.0	N					
IPML-C	0738	0.0	N					
IPML-D	0740	0.0	N					
SAM-3	0742	0.0	N					
IPML-E	0745	0.1	N					
IPML-F	0747	0.1	N					
SAM-4/5	0749	0.1	N					
IPML-G	0753	0.1	N					
IPML-H	0755	0.1	N					

Additional Comments:	Elevated readings presumably due to low temperatures
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 12/12/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.9
	Toluene:	10.1
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0822	0.0	N					
IPML-A	0824	0.0	N					
SAM1.5	0826	0.0	N					
IPML-B	0828	0.0	N					
SAM-2	0830	0.0	N					
SAM-2.5	0832	0.0	N					
IPML-C	0834	0.0	N					
IPML-D	0836	0.0	N					
SAM-3	0838	0.0	N					
IPML-E	0840	0.0	N					
IPML-F	0842	0.0	N					
SAM-4/5	0844	0.1	N					
IPML-G	0846	0.1	N					
IPML-H	0848	0.1	N					

Additional Comments:	Elevated readings presumably due to low temperatures
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 12/12/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.9
	Toluene:	10.1
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0910	0.1	N					
IPML-A	0912	0.1	N					
SAM1.5	0914	0.1	N					
IPML-B	0916	0.0	N					
SAM-2	0918	0.0	N					
SAM-2.5	0920	0.0	N					
IPML-C	0922	0.0	N					
IPML-D	0924	0.0	N					
SAM-3	0926	0.0	N					
IPML-E	0928	0.0	N					
IPML-F	0930	0.1	N					
SAM-4/5	0932	0.1	N					
IPML-G	0934	0.1	N					
IPML-H	0936	0.1	N					

Additional Comments:	Elevated readings presumably due to low temperatures
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/12/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.9
	Toluene:	10.1
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1005	0.0	N					
IPML-A	1007	0.0	N					
SAM1.5	1009	0.0	N					
IPML-B	1011	0.0	N					
SAM-2	1013	0.0	N					
SAM-2.5	1015	0.0	N					
IPML-C	1017	0.0	N					
IPML-D	1019	0.0	N					
SAM-3	1021	0.0	N					
IPML-E	1023	0.0	N					
IPML-F	1025	0.0	N					
SAM-4/5	1027	0.0	N					
IPML-G	1029	0.0	N					
IPML-H	1031	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/12/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.9
	Toluene:	10.1
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1103	0.0	N					
IPML-A	1105	0.0	N					
SAM1.5	1107	0.0	N					
IPML-B	1109	0.0	N					
SAM-2	1111	0.0	N					
SAM-2.5	1113	0.0	N					
IPML-C	1115	0.0	N					
IPML-D	1117	0.0	N					
SAM-3	1119	0.0	N					
IPML-E	1121	0.0	N					
IPML-F	1123	0.0	N					
SAM-4/5	1125	0.0	N					
IPML-G	1127	0.0	N					
IPML-H	1129	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/12/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.9
	Toluene:	10.1
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1201	0.0	N					
IPML-A	1203	0.0	N					
SAM1.5	1205	0.0	N					
IPML-B	1207	0.0	N					
SAM-2	1209	0.0	N					
SAM-2.5	1211	0.0	N					
IPML-C	1213	0.0	N					
IPML-D	1215	0.0	N					
SAM-3	1217	0.0	N					
IPML-E	1219	0.0	N					
IPML-F	1221	0.0	N					
SAM-4/5	1223	0.0	N					
IPML-G	1225	0.0	N					
IPML-H	1227	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/12/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.9
	Toluene:	10.1
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1300	0.0	N					
IPML-A	1302	0.0	N					
SAM1.5	1304	0.0	N					
IPML-B	1306	0.0	N					
SAM-2	1308	0.0	N					
SAM-2.5	1310	0.0	N					
IPML-C	1312	0.0	N					
IPML-D	1314	0.0	N					
SAM-3	1316	0.0	N					
IPML-E	1318	0.0	N					
IPML-F	1320	0.0	N					
SAM-4/5	1322	0.0	N					
IPML-G	1324	0.0	N					
IPML-H	1326	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/12/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.9
	Toluene:	10.1
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1401	0.0	N					
IPML-A	1403	0.0	N					
SAM1.5	1405	0.0	N					
IPML-B	1407	0.0	N					
SAM-2	1409	0.0	N					
SAM-2.5	1411	0.0	N					
IPML-C	1413	0.0	N					
IPML-D	1415	0.0	N					
SAM-3	1417	0.0	N					
IPML-E	1419	0.0	N					
IPML-F	1421	0.0	N					
SAM-4/5	1423	0.0	N					
IPML-G	1425	0.0	N					
IPML-H	1427	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/12/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.9
	Toluene:	10.1
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1501	0.0	N					
IPML-A	1503	0.0	N					
SAM1.5	1505	0.0	N					
IPML-B	1507	0.0	N					
SAM-2	1509	0.0	N					
SAM-2.5	1511	0.0	N					
IPML-C	1513	0.0	N					
IPML-D	1515	0.0	N					
SAM-3	1517	0.0	N					
IPML-E	1519	0.0	N					
IPML-F	1521	0.0	N					
SAM-4/5	1523	0.0	N					
IPML-G	1525	0.0	N					
IPML-H	1527	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/13/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.3
	Toluene:	10.6
Calibration (ppm)	Pass/Fail/NA:	N/A

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	150
	PID Span (100 ppm Isobutylene)	50
	Drager GC (10 ppm Isobutylene/Toluene)	495

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0708	0.0	N					
IPML-A	0710	0.0	N					
SAM1.5	0712	0.0	N					
IPML-B	0717	0.0	N					
SAM-2	0719	0.0	N					
SAM-2.5	0721	0.0	N					
IPML-C	0724	0.0	N					
IPML-D	0726	0.0	N					
SAM-3	0728	0.0	N					
IPML-E	0736	0.1	N					
IPML-F	0738	0.1	N					
SAM-4/5	0740	0.1	N					
IPML-G	0744	0.1	N					
IPML-H	0746	0.1	N					

Additional Comments:	Elevated readings presumably due to low temperatures
Safety Observation/Suggestion:	

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PID & GC Readings

Date: 12/13/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.3
	Toluene:	10.6
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0814	0.0	N					
IPML-A	0816	0.0	N					
SAM1.5	0818	0.0	N					
IPML-B	0820	0.0	N					
SAM-2	0822	0.0	N					
SAM-2.5	0824	0.0	N					
IPML-C	0826	0.0	N					
IPML-D	0828	0.0	N					
SAM-3	0830	0.0	N					
IPML-E	0832	0.0	N					
IPML-F	0834	0.0	N					
SAM-4/5	0836	0.0	N					
IPML-G	0838	0.0	N					
IPML-H	0840	0.1	N					

Additional Comments:	Elevated readings presumably due to low temperatures
Safety Observation/Suggestion:	

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PID & GC Readings

Date: 12/13/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.3
	Toluene:	10.6
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0905	0.0	N					
IPML-A	0907	0.0	N					
SAM1.5	0909	0.0	N					
IPML-B	0912	0.0	N					
SAM-2	0914	0.0	N					
SAM-2.5	0916	0.0	N					
IPML-C	0918	0.0	N					
IPML-D	0920	0.1	N					
SAM-3	0924	0.1	N					
IPML-E	0928	0.1	N					
IPML-F	0930	0.1	N					
SAM-4/5	0932	0.1	N					
IPML-G	0934	0.1	N					
IPML-H	0936	0.1	N					

Additional Comments:	Elevated readings presumably due to low temperatures
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/13/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.3
	Toluene:	10.6
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1010	0.0	N					
IPML-A	1012	0.0	N					
SAM1.5	1014	0.0	N					
IPML-B	1016	0.0	N					
SAM-2	1018	0.0	N					
SAM-2.5	1020	0.0	N					
IPML-C	1022	0.0	N					
IPML-D	1024	0.0	N					
SAM-3	1026	0.0	N					
IPML-E	1028	0.0	N					
IPML-F	1030	0.0	N					
SAM-4/5	1032	0.0	N					
IPML-G	1034	0.0	N					
IPML-H	1036	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 12/13/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.3
	Toluene:	10.6
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1102	0.0	N					
IPML-A	1104	0.0	N					
SAM1.5	1106	0.0	N					
IPML-B	1108	0.0	N					
SAM-2	1110	0.0	N					
SAM-2.5	1112	0.0	N					
IPML-C	1114	0.0	N					
IPML-D	1116	0.0	N					
SAM-3	1118	0.0	N					
IPML-E	1120	0.0	N					
IPML-F	1122	0.0	N					
SAM-4/5	1124	0.0	N					
IPML-G	1126	0.0	N					
IPML-H	1128	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/13/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.3
	Toluene:	10.6
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1200	0.0	N					
IPML-A	1202	0.0	N					
SAM1.5	1204	0.0	N					
IPML-B	1206	0.0	N					
SAM-2	1208	0.0	N					
SAM-2.5	1210	0.0	N					
IPML-C	1212	0.0	N					
IPML-D	1214	0.0	N					
SAM-3	1216	0.0	N					
IPML-E	1218	0.0	N					
IPML-F	1220	0.0	N					
SAM-4/5	1222	0.0	N					
IPML-G	1224	0.0	N					
IPML-H	1226	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/13/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.3
	Toluene:	10.6
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1304	0.0	N					
IPML-A	1306	0.0	N					
SAM1.5	1308	0.0	N					
IPML-B	1310	0.0	N					
SAM-2	1312	0.0	N					
SAM-2.5	1314	0.0	N					
IPML-C	1316	0.0	N					
IPML-D	1318	0.0	N					
SAM-3	1320	0.0	N					
IPML-E	1322	0.0	N					
IPML-F	1324	0.0	N					
SAM-4/5	1326	0.0	N					
IPML-G	1328	0.0	N					
IPML-H	1330	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/13/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.3
	Toluene:	10.6
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1400	0.0	N					
IPML-A	1402	0.0	N					
SAM1.5	1404	0.0	N					
IPML-B	1407	0.0	N					
SAM-2	1410	0.0	N					
SAM-2.5	1412	0.0	N					
IPML-C	1414	0.0	N					
IPML-D	1416	0.0	N					
SAM-3	1418	0.0	N					
IPML-E	1420	0.0	N					
IPML-F	1422	0.0	N					
SAM-4/5	1424	0.0	N					
IPML-G	1426	0.0	N					
IPML-H	1428	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/13/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.3
	Toluene:	10.6
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1500	0.0	N					
IPML-A	1502	0.0	N					
SAM1.5	1504	0.0	N					
IPML-B	1506	0.0	N					
SAM-2	1508	0.0	N					
SAM-2.5	1510	0.0	N					
IPML-C	1512	0.0	N					
IPML-D	1514	0.0	N					
SAM-3	1516	0.0	N					
IPML-E	1518	0.0	N					
IPML-F	1520	0.0	N					
SAM-4/5	1522	0.0	N					
IPML-G	1524	0.0	N					
IPML-H	1526	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/14/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.4
	Toluene:	10.8
Calibration (ppm)	Pass/Fail/NA:	N/A

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	145
	PID Span (100 ppm Isobutylene)	50
	Drager GC (10 ppm Isobutylene/Toluene)	475

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0721	0.0	N					
IPML-A	0731	0.0	N					
SAM1.5	0733	0.0	N					
IPML-B	0742	0.0	N					
SAM-2	0744	0.0	N					
SAM-2.5	0754	0.1	N					
IPML-C	0803	0.1	N					
IPML-D	0811	0.1	N					
SAM-3	0813	0.1	N					
IPML-E	0822	0.1	N					
IPML-F	0824	0.1	N					
SAM-4/5	0826	0.1	N					
IPML-G	0841	0.1	N					
IPML-H	0843	0.1	N					

Additional Comments:	Elevated readings presumably due to low temperatures.
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/14/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.4
	Toluene:	10.8
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0931	0.0	N					
IPML-A	0933	0.0	N					
SAM1.5	0935	0.0	N					
IPML-B	0937	0.0	N					
SAM-2	0939	0.0	N					
SAM-2.5	0941	0.0	N					
IPML-C	0943	0.0	N					
IPML-D	0945	0.0	N					
SAM-3	0947	0.0	N					
IPML-E	0949	0.0	N					
IPML-F	0951	0.0	N					
SAM-4/5	0953	0.0	N					
IPML-G	0955	0.0	N					
IPML-H	0957	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/14/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.4
	Toluene:	10.8
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1000	0.0	N					
IPML-A	1002	0.0	N					
SAM1.5	1004	0.0	N					
IPML-B	1006	0.0	N					
SAM-2	1008	0.0	N					
SAM-2.5	1010	0.0	N					
IPML-C	1012	0.0	N					
IPML-D	1014	0.0	N					
SAM-3	1016	0.0	N					
IPML-E	1018	0.0	N					
IPML-F	1020	0.0	N					
SAM-4/5	1022	0.0	N					
IPML-G	1024	0.0	N					
IPML-H	1026	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/14/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.4
	Toluene:	10.8
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1115	0.0	N					
IPML-A	1117	0.0	N					
SAM1.5	1119	0.0	N					
IPML-B	1121	0.0	N					
SAM-2	1123	0.0	N					
SAM-2.5	1125	0.0	N					
IPML-C	1127	0.0	N					
IPML-D	1129	0.0	N					
SAM-3	1131	0.0	N					
IPML-E	1133	0.0	N					
IPML-F	1135	0.0	N					
SAM-4/5	1137	0.0	N					
IPML-G	1139	0.0	N					
IPML-H	1141	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/14/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.4
	Toluene:	10.8
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1218	0.0	N					
IPML-A	1220	0.0	N					
SAM1.5	1222	0.0	N					
IPML-B	1224	0.0	N					
SAM-2	1226	0.0	N					
SAM-2.5	1228	0.0	N					
IPML-C	1230	0.0	N					
IPML-D	1232	0.0	N					
SAM-3	1234	0.0	N					
IPML-E	1236	0.0	N					
IPML-F	1238	0.0	N					
SAM-4/5	1240	0.0	N					
IPML-G	1242	0.0	N					
IPML-H	1244	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/14/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.4
	Toluene:	10.8
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1307	0.0	N					
IPML-A	1309	0.0	N					
SAM1.5	1311	0.0	N					
IPML-B	1313	0.0	N					
SAM-2	1315	0.0	N					
SAM-2.5	1317	0.0	N					
IPML-C	1319	0.0	N					
IPML-D	1321	0.0	N					
SAM-3	1323	0.0	N					
IPML-E	1325	0.0	N					
IPML-F	1327	0.0	N					
SAM-4/5	1329	0.0	N					
IPML-G	1331	0.0	N					
IPML-H	1333	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 12/14/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.4
	Toluene:	10.8
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1403	0.0	N					
IPML-A	1405	0.0	N					
SAM1.5	1407	0.0	N					
IPML-B	1409	0.0	N					
SAM-2	1411	0.0	N					
SAM-2.5	1413	0.0	N					
IPML-C	1415	0.0	N					
IPML-D	1417	0.0	N					
SAM-3	1419	0.0	N					
IPML-E	1421	0.0	N					
IPML-F	1423	0.0	N					
SAM-4/5	1425	0.0	N					
IPML-G	1427	0.0	N					
IPML-H	1429	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 12/14/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.4
	Toluene:	10.8
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1500	0.0	N					
IPML-A	1502	0.0	N					
SAM1.5	1504	0.0	N					
IPML-B	1506	0.0	N					
SAM-2	1508	0.0	N					
SAM-2.5	1510	0.0	N					
IPML-C	1512	0.0	N					
IPML-D	1514	0.0	N					
SAM-3	1521	0.0	N					
IPML-E	1523	0.0	N					
IPML-F	1525	0.0	N					
SAM-4/5	1527	0.0	N					
IPML-G	1529	0.0	N					
IPML-H	1531	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 12/15/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.4
	Toluene:	10.9
Calibration (ppm)	Pass/Fail/NA:	N/A

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	135
	PID Span (100 ppm Isobutylene)	45
	Drager GC (10 ppm Isobutylene/Toluene)	460

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0710	0.0	N					
IPML-A	0712	0.0	N					
SAM1.5	0714	0.0	N					
IPML-B	0716	0.0	N					
SAM-2	0718	0.0	N					
SAM-2.5	0720	0.0	N					
IPML-C	0722	0.0	N					
IPML-D	0724	0.0	N					
SAM-3	0726	0.0	N					
IPML-E	0732	0.0	N					
IPML-F	0734	0.0	N					
SAM-4/5	0736	0.0	N					
IPML-G	0739	0.0	N					
IPML-H	0741	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/15/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.4
	Toluene:	10.9
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0811	0.0	N					
IPML-A	0813	0.0	N					
SAM1.5	0815	0.0	N					
IPML-B	0817	0.0	N					
SAM-2	0819	0.0	N					
SAM-2.5	0821	0.0	N					
IPML-C	0823	0.0	N					
IPML-D	0825	0.0	N					
SAM-3	0828	0.1	N					
IPML-E	0836	0.0	N					
IPML-F	0841	0.0	N					
SAM-4/5	0843	0.1	N					
IPML-G	0845	0.1	N					
IPML-H	0847	0.1	N					

Additional Comments:	At SAM 3 the PID reading was taken near truck exhaust and a generator. Elevated readings near end of the walk presumably due to low temperatures.
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 12/15/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.4
	Toluene:	10.9
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0908	0.0	N					
IPML-A	0910	0.0	N					
SAM1.5	0912	0.0	N					
IPML-B	0914	0.0	N					
SAM-2	0916	0.0	N					
SAM-2.5	0918	0.0	N					
IPML-C	0920	0.0	N					
IPML-D	0922	0.0	N					
SAM-3	0924	0.0	N					
IPML-E	0926	0.1	N					
IPML-F	0932	0.1	N					
SAM-4/5	0934	0.1	N					
IPML-G	0936	0.1	N					
IPML-H	0938	0.1	N					

Additional Comments:	Elevated readings presumably due to low temperatures
Safety Observation/Suggestion:	

At the end of the day:

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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 12/15/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.4
	Toluene:	10.9
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1009	0.0	N					
IPML-A	1011	0.0	N					
SAM1.5	1013	0.0	N					
IPML-B	1015	0.0	N					
SAM-2	1017	0.0	N					
SAM-2.5	1019	0.0	N					
IPML-C	1021	0.0	N					
IPML-D	1023	0.0	N					
SAM-3	1025	0.0	N					
IPML-E	1027	0.0	N					
IPML-F	1031	0.0	N					
SAM-4/5	1033	0.0	N					
IPML-G	1035	0.0	N					
IPML-H	1037	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 12/15/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.4
	Toluene:	10.9
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1107	0.0	N					
IPML-A	1109	0.0	N					
SAM1.5	1111	0.0	N					
IPML-B	1113	0.0	N					
SAM-2	1115	0.0	N					
SAM-2.5	1117	0.0	N					
IPML-C	1119	0.0	N					
IPML-D	1121	0.0	N					
SAM-3	1123	0.0	N					
IPML-E	1125	0.0	N					
IPML-F	1141	0.0	N					
SAM-4/5	1143	0.0	N					
IPML-G	1145	0.0	N					
IPML-H	1147	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/15/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.4
	Toluene:	10.9
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1209	0.0	N					
IPML-A	1211	0.0	N					
SAM1.5	1213	0.0	N					
IPML-B	1215	0.0	N					
SAM-2	1217	0.0	N					
SAM-2.5	1219	0.0	N					
IPML-C	1221	0.0	N					
IPML-D	1223	0.0	N					
SAM-3	1225	0.0	N					
IPML-E	1227	0.0	N					
IPML-F	1229	0.0	N					
SAM-4/5	1231	0.0	N					
IPML-G	1233	0.0	N					
IPML-H	1235	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/15/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.4
	Toluene:	10.9
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1301	0.0	N					
IPML-A	1303	0.0	N					
SAM1.5	1305	0.0	N					
IPML-B	1307	0.0	N					
SAM-2	1309	0.0	N					
SAM-2.5	1311	0.0	N					
IPML-C	1313	0.0	N					
IPML-D	1315	0.0	N					
SAM-3	1317	0.0	N					
IPML-E	1319	0.0	N					
IPML-F	1321	0.0	N					
SAM-4/5	1323	0.0	N					
IPML-G	1325	0.0	N					
IPML-H	1327	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/15/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.4
	Toluene:	10.9
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1404	0.0	N					
IPML-A	1406	0.0	N					
SAM1.5	1408	0.0	N					
IPML-B	1410	0.0	N					
SAM-2	1412	0.0	N					
SAM-2.5	1414	0.0	N					
IPML-C	1416	0.0	N					
IPML-D	1418	0.0	N					
SAM-3	1420	0.0	N					
IPML-E	1422	0.0	N					
IPML-F	1424	0.0	N					
SAM-4/5	1427	0.0	N					
IPML-G	1429	0.0	N					
IPML-H	1431	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 12/15/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.4
	Toluene:	10.9
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1511	0.0	N					
IPML-A	1513	0.0	N					
SAM1.5	1515	0.0	N					
IPML-B	1517	0.0	N					
SAM-2	1519	0.0	N					
SAM-2.5	1521	0.0	N					
IPML-C	1523	0.0	N					
IPML-D	1525	0.0	N					
SAM-3	1527	0.0	N					
IPML-E	1529	0.0	N					
IPML-F	1531	0.0	N					
SAM-4/5	1533	0.0	N					
IPML-G	1535	0.0	N					
IPML-H	1537	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 12/16/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.2
	Toluene:	10.8
Calibration (ppm)	Pass/Fail/NA:	N/A

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	125
	PID Span (100 ppm Isobutylene)	45
	Drager GC (10 ppm Isobutylene/Toluene)	430

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0723	0.0	N					
IPML-A	0725	0.0	N					
SAM1.5	0727	0.0	N					
IPML-B	0729	0.0	N					
SAM-2	0731	0.0	N					
SAM-2.5	0733	0.0	N					
IPML-C	0735	0.0	N					
IPML-D	0737	0.0	N					
SAM-3	0739	0.0	N					
IPML-E	0741	0.0	N					
IPML-F	0743	0.0	N					
SAM-4/5	0745	0.0	N					
IPML-G	0747	0.0	N					
IPML-H	0749	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/16/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.2
	Toluene:	10.8
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0824	0.0	N					
IPML-A	0826	0.0	N					
SAM1.5	0828	0.0	N					
IPML-B	0830	0.0	N					
SAM-2	0832	0.0	N					
SAM-2.5	0834	0.0	N					
IPML-C	0836	0.0	N					
IPML-D	0838	0.0	N					
SAM-3	0840	0.0	N					
IPML-E	0842	0.0	N					
IPML-F	0844	0.0	N					
SAM-4/5	0846	0.0	N					
IPML-G	0848	0.0	N					
IPML-H	0850	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/16/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.2
	Toluene:	10.8
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0913	0.1	N					
IPML-A	0915	0.1	N					
SAM1.5	0918	0.1	N					
IPML-B	0920	0.1	N					
SAM-2	0922	0.1	N					
SAM-2.5	0924	0.1	N					
IPML-C	0926	0.1	N					
IPML-D	0928	0.1	N					
SAM-3	0930	0.0	N					
IPML-E	0932	0.1	N					
IPML-F	0934	0.1	N					
SAM-4/5	0936	0.1	N					
IPML-G	0938	0.1	N					
IPML-H	0940	0.1	N					

Additional Comments:	Elevated readings presumably due to moisture or low temperatures.
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/16/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.2
	Toluene:	10.8
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1013	0.0	N					
IPML-A	1015	0.1	N					
SAM1.5	1017	0.1	N					
IPML-B	1019	0.1	N					
SAM-2	1021	0.1	N					
SAM-2.5	1023	0.1	N					
IPML-C	1025	0.1	N					
IPML-D	1027	0.1	N					
SAM-3	1029	0.1	N					
IPML-E	1031	0.1	N					
IPML-F	1033	0.1	N					
SAM-4/5	1035	0.1	N					
IPML-G	1037	0.1	N					
IPML-H	1039	0.1	N					

Additional Comments:	Elevated readings presumably due to moisture or low temperatures.
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/16/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.2
	Toluene:	10.8
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1109	0.1	N					
IPML-A	1111	0.1						
SAM1.5	1113	0.0						
IPML-B	1115	0.0						
SAM-2	1117	0.0						
SAM-2.5	1119	0.0						
IPML-C	1121	0.0						
IPML-D	1123	0.0						
SAM-3	1125	0.1						
IPML-E	1127	0.0						
IPML-F	1129	0.0						
SAM-4/5	1131	0.1						
IPML-G	1133	0.1						
IPML-H	1135	0.1						

Additional Comments:	Elevated readings presumably due to moisture or low temperatures.
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/16/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.2
	Toluene:	10.8
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1207	0.1	N					
IPML-A	1216	0.1	N					
SAM1.5	1218	0.1	N					
IPML-B	1228	0.1	N					
SAM-2	1232	0.1	N					
SAM-2.5	1238	0.1	N					
IPML-C	1246	0.1	N					
IPML-D	1248	0.1	N					
SAM-3	1250	0.2	N					
IPML-E	1301	0.2	N					
IPML-F	1303	0.2	N					
SAM-4/5	1305	0.2	N					
IPML-G	1321	0.2	N					
IPML-H	1323	0.2	N					

Additional Comments:	Elevated readings presumably due to moisture or low temperatures.
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/16/2023	Technician Name: H. Young	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.2
	Toluene:	10.8
Calibration (ppm)	Pass/Fail/NA:	N/A

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1405	0.1	N					
IPML-A	1407	0.1	N					
SAM1.5	1409	0.1	N					
IPML-B	1411	0.1	N					
SAM-2	1413	0.1	N					
SAM-2.5	1415	0.1	N					
IPML-C	1417	0.1	N					
IPML-D	1419	0.1	N					
SAM-3	1421	0.1	N					
IPML-E	1423	0.1	N					
IPML-F	1425	0.1	N					
SAM-4/5	1427	0.1	N					
IPML-G	1429	0.1	N					
IPML-H	1431	0.1	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 12/18/23	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11
	Toluene:	10.4
Calibration (ppm)	Pass/Fail/NA:	NA

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	125
	PID Span (100 ppm Isobutylene)	50
	Drager GC (10 ppm Isobutylene/Toluene)	400

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0721	0.0	N					
IPML-A	0724	0.0	N					
SAM1.5	0726	0.0	N					
IPML-B	0728	0.0	N					
SAM-2	0730	0.0	N					
SAM-2.5	0736	0.0	N					
IPML-C	0738	0.0	N					
IPML-D	0740	0.0	N					
SAM-3	0810	0.0	N					
IPML-E	0816	0.0	N					
IPML-F	0818	0.0	N					
SAM-4/5	0820	0.0	N					
IPML-G	0824	0.0	N					
IPML-H	0826	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 12/18/23	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11
	Toluene:	10.4
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0830	0.0	N					
IPML-A	0832	0.0	N					
SAM1.5	0834	0.0	N					
IPML-B	0836	0.0	N					
SAM-2	0838	0.0	N					
SAM-2.5	0840	0.0	N					
IPML-C	0842	0.0	N					
IPML-D	0844	0.0	N					
SAM-3	0846	0.0	N					
IPML-E	0848	0.0	N					
IPML-F	0850	0.0	N					
SAM-4/5	0852	0.0	N					
IPML-G	0854	0.0	N					
IPML-H	0856	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/18/23	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11
	Toluene:	10.4
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0925	0.0	N					
IPML-A	0928	0.0	N					
SAM1.5	0930	0.0	N					
IPML-B	0934	0.0	N					
SAM-2	0936	0.0	N					
SAM-2.5	0939	0.0	N					
IPML-C	0943	0.0	N					
IPML-D	0945	0.0	N					
SAM-3	0947	0.0	N					
IPML-E	0949	0.0	N					
IPML-F	0951	0.0	N					
SAM-4/5	0953	0.0	N					
IPML-G	0955	0.0	N					
IPML-H	0957	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/18/23	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11
	Toluene:	10.4
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1020	0.0	N					
IPML-A	1030	0.0	N					
SAM1.5	1033	0.0	N					
IPML-B	1035	0.0	N					
SAM-2	1037	0.0	N					
SAM-2.5	1039	0.0	N					
IPML-C	1046	0.0	N					
IPML-D	1048	0.0	N					
SAM-3	1050	0.0	N					
IPML-E	1054	0.0	N					
IPML-F	1056	0.0	N					
SAM-4/5	1058	0.0	N					
IPML-G	1104	0.0	N					
IPML-H	1105	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 12/18/23	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11
	Toluene:	10.4
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1130	0.0	N					
IPML-A	1132	0.0	N					
SAM1.5	1134	0.0	N					
IPML-B	1136	0.0	N					
SAM-2	1138	0.0	N					
SAM-2.5	1140	0.0	N					
IPML-C	1142	0.0	N					
IPML-D	1144	0.0	N					
SAM-3	1146	0.0	N					
IPML-E	1148	0.0	N					
IPML-F	1150	0.0	N					
SAM-4/5	1152	0.0	N					
IPML-G	1154	0.0	N					
IPML-H	1156	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/18/23	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11
	Toluene:	10.4
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1220	0.0	N					
IPML-A	1222	0.0	N					
SAM1.5	1224	0.0	N					
IPML-B	1226	0.0	N					
SAM-2	1228	0.0	N					
SAM-2.5	1230	0.0	N					
IPML-C	1232	0.0	N					
IPML-D	1234	0.0	N					
SAM-3	1236	0.0	N					
IPML-E	1238	0.0	N					
IPML-F	1240	0.0	N					
SAM-4/5	1242	0.0	N					
IPML-G	1244	0.0	N					
IPML-H	1246	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/18/23	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11
	Toluene:	10.4
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1336	0.0	N					
IPML-A	1334	0.0	N					
SAM1.5	1332	0.0	N					
IPML-B	1330	0.0	N					
SAM-2	1328	0.0	N					
SAM-2.5	1326	0.0	N					
IPML-C	1324	0.0	N					
IPML-D	1322	0.0	N					
SAM-3	1320	0.0	N					
IPML-E	1318	0.0	N					
IPML-F	1316	0.0	N					
SAM-4/5	1314	0.0	N					
IPML-G	1312	0.0	N					
IPML-H	1310	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/18/23	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11
	Toluene:	10.4
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1426	0.0	N					
IPML-A	1424	0.0	N					
SAM1.5	1422	0.0	N					
IPML-B	1420	0.0	N					
SAM-2	1418	0.0	N					
SAM-2.5	1416	0.0	N					
IPML-C	1414	0.0	N					
IPML-D	1412	0.0	N					
SAM-3	1410	0.0	N					
IPML-E	1408	0.0	N					
IPML-F	1406	0.0	N					
SAM-4/5	1404	0.0	N					
IPML-G	1402	0.0	N					
IPML-H	1400	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/18/23	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11
	Toluene:	10.4
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1526	0.0	N					
IPML-A	1524	0.0	N					
SAM1.5	1522	0.0	N					
IPML-B	1520	0.0	N					
SAM-2	1518	0.0	N					
SAM-2.5	1516	0.0	N					
IPML-C	1514	0.0	N					
IPML-D	1512	0.0	N					
SAM-3	1510	0.0	N					
IPML-E	1508	0.0	N					
IPML-F	1506	0.0	N					
SAM-4/5	1504	0.0	N					
IPML-G	1502	0.0	N					
IPML-H	1500	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/19/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.2
	Toluene:	10.5
Calibration (ppm)	Pass/Fail/NA:	NA

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	125
	PID Span (100 ppm Isobutylene)	50
	Drager GC (10 ppm Isobutylene/Toluene)	400

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0730	0.0	N					
IPML-A	0732	0.0	N					
SAM1.5	0734	0.0	N					
IPML-B	0736	0.0	N					
SAM-2	0738	0.0	N					
SAM-2.5	0740	0.0	N					
IPML-C	0742	0.0	N					
IPML-D	0744	0.0	N					
SAM-3	0746	0.0	N					
IPML-E	0748	0.0	N					
IPML-F	0750	0.0	N					
SAM-4/5	0752	0.0	N					
IPML-G	0754	0.0	N					
IPML-H	0756	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/19/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.2
	Toluene:	10.5
Calibration (ppm)	Pass/Fail/NA:	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0824	0.0	N					
IPML-A	0828	0.0	N					
SAM1.5	0830	0.0	N					
IPML-B	0832	0.0	N					
SAM-2	0834	0.0	N					
SAM-2.5	0836	0.0	N					
IPML-C	0838	0.0	N					
IPML-D	0840	0.0	N					
SAM-3	0842	0.0	N					
IPML-E	0844	0.0	N					
IPML-F	0846	0.0	N					
SAM-4/5	0848	0.0	N					
IPML-G	0851	0.0	N					
IPML-H	0853	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/19/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.2
	Toluene:	10.5
Calibration (ppm)	Pass/Fail/NA:	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0930	0.0	N					
IPML-A	0932	0.0	N					
SAM1.5	0934	0.0	N					
IPML-B	0936	0.0	N					
SAM-2	0938	0.0	N					
SAM-2.5	0940	0.0	N					
IPML-C	0942	0.0	N					
IPML-D	0944	0.0	N					
SAM-3	0946	0.0	N					
IPML-E	0948	0.0	N					
IPML-F	0950	0.0	N					
SAM-4/5	0952	0.0	N					
IPML-G	0954	0.0	N					
IPML-H	0956	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/19/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.2
	Toluene:	10.5
Calibration (ppm)	Pass/Fail/NA:	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1040	0.0	N					
IPML-A	1042	0.0	N					
SAM1.5	1044	0.0	N					
IPML-B	1046	0.0	N					
SAM-2	1048	0.0	N					
SAM-2.5	1050	0.0	N					
IPML-C	1052	0.0	N					
IPML-D	1054	0.0	N					
SAM-3	1056	0.0	N					
IPML-E	1058	0.0	N					
IPML-F	1100	0.0	N					
SAM-4/5	1102	0.0	N					
IPML-G	1104	0.0	N					
IPML-H	1106	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/19/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.2
	Toluene:	10.5
Calibration (ppm)	Pass/Fail/NA:	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1110	0.0	N					
IPML-A	1112	0.0	N					
SAM1.5	1114	0.0	N					
IPML-B	1116	0.0	N					
SAM-2	1118	0.0	N					
SAM-2.5	1120	0.0	N					
IPML-C	1122	0.0	N					
IPML-D	1124	0.0	N					
SAM-3	1126	0.0	N					
IPML-E	1128	0.0	N					
IPML-F	1130	0.0	N					
SAM-4/5	1132	0.0	N					
IPML-G	1134	0.0	N					
IPML-H	1136	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/19/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.2
	Toluene:	10.5
Calibration (ppm)	Pass/Fail/NA:	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1210	0.0	N					
IPML-A	1212	0.0	N					
SAM1.5	1214	0.0	N					
IPML-B	1216	0.0	N					
SAM-2	1218	0.0	N					
SAM-2.5	1220	0.0	N					
IPML-C	1222	0.0	N					
IPML-D	1224	0.0	N					
SAM-3	1226	0.0	N					
IPML-E	1228	0.0	N					
IPML-F	1230	0.0	N					
SAM-4/5	1232	0.0	N					
IPML-G	1234	0.0	N					
IPML-H	1236	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 12/19/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.2
	Toluene:	10.5
Calibration (ppm)	Pass/Fail/NA:	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1326	0.0	N					
IPML-A	1324	0.0	N					
SAM1.5	1322	0.0	N					
IPML-B	1320	0.0	N					
SAM-2	1318	0.0	N					
SAM-2.5	1316	0.0	N					
IPML-C	1314	0.0	N					
IPML-D	1312	0.0	N					
SAM-3	1310	0.0	N					
IPML-E	1308	0.0	N					
IPML-F	1306	0.0	N					
SAM-4/5	1304	0.0	N					
IPML-G	1302	0.0	N					
IPML-H	1300	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/19/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.2
	Toluene:	10.5
Calibration (ppm)	Pass/Fail/NA:	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1431	0.0	N					
IPML-A	1429	0.0	N					
SAM1.5	1427	0.0	N					
IPML-B	1425	0.0	N					
SAM-2	1423	0.0	N					
SAM-2.5	1421	0.0	N					
IPML-C	1419	0.0	N					
IPML-D	1417	0.0	N					
SAM-3	1415	0.0	N					
IPML-E	1413	0.0	N					
IPML-F	1411	0.0	N					
SAM-4/5	1409	0.0	N					
IPML-G	1407	0.0	N					
IPML-H	1405	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/19/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.2
	Toluene:	10.5
Calibration (ppm)	Pass/Fail/NA:	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1526	0.0	N					
IPML-A	1524	0.0	N					
SAM1.5	1522	0.0	N					
IPML-B	1520	0.0	N					
SAM-2	1518	0.0	N					
SAM-2.5	1516	0.0	N					
IPML-C	1514	0.0	N					
IPML-D	1512	0.0	N					
SAM-3	1510	0.0	N					
IPML-E	1508	0.0	N					
IPML-F	1506	0.0	N					
SAM-4/5	1504	0.0	N					
IPML-G	1502	0.0	N					
IPML-H	1500	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/19/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.2
	Toluene:	10.5
Calibration (ppm)	Pass/Fail/NA:	

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1554	0.0	N					
IPML-A	1552	0.0	N					
SAM1.5	1550	0.0	N					
IPML-B	1548	0.0	N					
SAM-2	1546	0.0	N					
SAM-2.5	1544	0.0	N					
IPML-C	1542	0.0	N					
IPML-D	1540	0.0	N					
SAM-3	1538	0.0	N					
IPML-E	1536	0.0	N					
IPML-F	1534	0.0	N					
SAM-4/5	1532	0.0	N					
IPML-G	1530	0.0	N					
IPML-H	1528	0.0	N					

Additional Comments:	End of day.
Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 12/20/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11
	Toluene:	10.8
Calibration (ppm)	Pass/Fail/NA:	NA

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	125
	PID Span (100 ppm Isobutylene)	50
	Drager GC (10 ppm Isobutylene/Toluene)	400

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0737	0.0	N					
IPML-A	0740	0.0	N					
SAM1.5	0742	0.0	N					
IPML-B	0744	0.0	N					
SAM-2	0746	0.0	N					
SAM-2.5	0749	0.0	N					
IPML-C	0751	0.0	N					
IPML-D	0753	0.0	N					
SAM-3	0755	0.0	N					
IPML-E	0757	0.0	N					
IPML-F	0759	0.0	N					
SAM-4/5	0801	0.0	N					
IPML-G	0803	0.0	N					
IPML-H	0805	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/20/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11
	Toluene:	10.8
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0820	0.0	N					
IPML-A	0822	0.0	N					
SAM1.5	0824	0.0	N					
IPML-B	0826	0.0	N					
SAM-2	0828	0.0	N					
SAM-2.5	0830	0.0	N					
IPML-C	0832	0.0	N					
IPML-D	0834	0.0	N					
SAM-3	0836	0.0	N					
IPML-E	0838	0.0	N					
IPML-F	0840	0.0	N					
SAM-4/5	0842	0.0	N					
IPML-G	0844	0.0	N					
IPML-H	0846	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/20/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11
	Toluene:	10.8
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0900	0.0	N					
IPML-A	0902	0.0	N					
SAM1.5	0904	0.0	N					
IPML-B	0906	0.0	N					
SAM-2	0908	0.0	N					
SAM-2.5	0910	0.0	N					
IPML-C	0912	0.0	N					
IPML-D	0914	0.0	N					
SAM-3	0916	0.0	N					
IPML-E	0918	0.0	N					
IPML-F	0920	0.0	N					
SAM-4/5	0922	0.0	N					
IPML-G	0924	0.0	N					
IPML-H	0926	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/20/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11
	Toluene:	10.8
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1000	0.0	N					
IPML-A	1002	0.0	N					
SAM1.5	1004	0.0	N					
IPML-B	1006	0.0	N					
SAM-2	1008	0.0	N					
SAM-2.5	1010	0.0	N					
IPML-C	1012	0.0	N					
IPML-D	1014	0.0	N					
SAM-3	1016	0.0	N					
IPML-E	1018	0.0	N					
IPML-F	1020	0.0	N					
SAM-4/5	1022	0.0	N					
IPML-G	1024	0.0	N					
IPML-H	1026	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/20/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11
	Toluene:	10.8
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1136	0.0	N					
IPML-A	1134	0.0	N					
SAM1.5	1132	0.0	N					
IPML-B	1130	0.0	N					
SAM-2	1128	0.0	N					
SAM-2.5	1126	0.0	N					
IPML-C	1124	0.0	N					
IPML-D	1122	0.0	N					
SAM-3	1120	0.0	N					
IPML-E	1118	0.0	N					
IPML-F	1116	0.0	N					
SAM-4/5	1114	0.0	N					
IPML-G	1112	0.0	N					
IPML-H	1110	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/20/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11
	Toluene:	10.8
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1241	0.0	N					
IPML-A	1239	0.0	N					
SAM1.5	1237	0.0	N					
IPML-B	1235	0.0	N					
SAM-2	1233	0.0	N					
SAM-2.5	1231	0.0	N					
IPML-C	1229	0.0	N					
IPML-D	1227	0.0	N					
SAM-3	1225	0.0	N					
IPML-E	1223	0.0	N					
IPML-F	1221	0.0	N					
SAM-4/5	1219	0.0	N					
IPML-G	1217	0.0	N					
IPML-H	1215	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/20/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11
	Toluene:	10.8
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1336	0.0	N					
IPML-A	1334	0.0	N					
SAM1.5	1332	0.0	N					
IPML-B	1330	0.0	N					
SAM-2	1328	0.0	N					
SAM-2.5	1326	0.0	N					
IPML-C	1324	0.0	N					
IPML-D	1322	0.0	N					
SAM-3	1320	0.0	N					
IPML-E	1318	0.0	N					
IPML-F	1316	0.0	N					
SAM-4/5	1314	0.0	N					
IPML-G	1312	0.0	N					
IPML-H	1310	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/20/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11
	Toluene:	10.8
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1426	0.0	N					
IPML-A	1424	0.0	N					
SAM1.5	1422	0.0	N					
IPML-B	1420	0.0	N					
SAM-2	1418	0.0	N					
SAM-2.5	1416	0.0	N					
IPML-C	1414	0.0	N					
IPML-D	1412	0.0	N					
SAM-3	1410	0.0	N					
IPML-E	1408	0.0	N					
IPML-F	1406	0.0	N					
SAM-4/5	1404	0.0	N					
IPML-G	1402	0.0	N					
IPML-H	1400	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 12/20/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11
	Toluene:	10.8
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1516	0.0	N					
IPML-A	1514	0.0	N					
SAM1.5	1512	0.0	N					
IPML-B	1510	0.0	N					
SAM-2	1508	0.0	N					
SAM-2.5	1506	0.0	N					
IPML-C	1504	0.0	N					
IPML-D	1502	0.0	N					
SAM-3	1500	0.0	N					
IPML-E	1458	0.0	N					
IPML-F	1456	0.0	N					
SAM-4/5	1454	0.0	N					
IPML-G	1452	0.0	N					
IPML-H	1450	0.0	N					

Additional Comments:	End of day.
Safety Observation/Suggestion:	

At the end of the day:

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2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 12/21/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11
	Toluene:	10.7
Calibration (ppm)	Pass/Fail/NA:	NA

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	125
	PID Span (100 ppm Isobutylene)	50
	Drager GC (10 ppm Isobutylene/Toluene)	400

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0735	0.0	N					
IPML-A	0737	0.0	N					
SAM1.5	0739	0.0	N					
IPML-B	0741	0.0	N					
SAM-2	0743	0.0	N					
SAM-2.5	0745	0.0	N					
IPML-C	0747	0.0	N					
IPML-D	0749	0.0	N					
SAM-3	0751	0.0	N					
IPML-E	0753	0.0	N					
IPML-F	0755	0.0	N					
SAM-4/5	0757	0.0	N					
IPML-G	0800	0.0	N					
IPML-H	0802	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 12/21/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11
	Toluene:	10.7
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0830	0.0	N					
IPML-A	0832	0.0	N					
SAM1.5	0834	0.0	N					
IPML-B	0836	0.0	N					
SAM-2	0838	0.0	N					
SAM-2.5	0840	0.0	N					
IPML-C	0842	0.0	N					
IPML-D	0844	0.0	N					
SAM-3	0846	0.0	N					
IPML-E	0848	0.0	N					
IPML-F	0850	0.0	N					
SAM-4/5	0852	0.0	N					
IPML-G	0854	0.0	N					
IPML-H	0856	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/21/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11
	Toluene:	10.7
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0956	0.0	N					
IPML-A	0954	0.0	N					
SAM1.5	0952	0.0	N					
IPML-B	0950	0.0	N					
SAM-2	0948	0.0	N					
SAM-2.5	0946	0.0	N					
IPML-C	0944	0.0	N					
IPML-D	0942	0.0	N					
SAM-3	0940	0.0	N					
IPML-E	0938	0.0	N					
IPML-F	0936	0.0	N					
SAM-4/5	0934	0.0	N					
IPML-G	0932	0.0	N					
IPML-H	0930	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/21/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11
	Toluene:	10.7
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1046	0.0	N					
IPML-A	1044	0.0	N					
SAM1.5	1042	0.0	N					
IPML-B	1040	0.0	N					
SAM-2	1038	0.0	N					
SAM-2.5	1036	0.0	N					
IPML-C	1034	0.0	N					
IPML-D	1032	0.0	N					
SAM-3	1030	0.0	N					
IPML-E	1028	0.0	N					
IPML-F	1026	0.0	N					
SAM-4/5	1024	0.0	N					
IPML-G	1022	0.0	N					
IPML-H	1020	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/21/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11
	Toluene:	10.7
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1136	0.0	N					
IPML-A	1134	0.0	N					
SAM1.5	1132	0.0	N					
IPML-B	1130	0.0	N					
SAM-2	1128	0.0	N					
SAM-2.5	1126	0.0	N					
IPML-C	1124	0.0	N					
IPML-D	1122	0.0	N					
SAM-3	1120	0.0	N					
IPML-E	1118	0.0	N					
IPML-F	1116	0.0	N					
SAM-4/5	1114	0.0	N					
IPML-G	1112	0.0	N					
IPML-H	1110	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/21/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11
	Toluene:	10.7
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1246	0.0	N					
IPML-A	1244	0.0	N					
SAM1.5	1242	0.0	N					
IPML-B	1240	0.0	N					
SAM-2	1238	0.0	N					
SAM-2.5	1236	0.0	N					
IPML-C	1234	0.0	N					
IPML-D	1232	0.0	N					
SAM-3	1230	0.0	N					
IPML-E	1228	0.0	N					
IPML-F	1226	0.0	N					
SAM-4/5	1224	0.0	N					
IPML-G	1222	0.0	N					
IPML-H	1220	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 12/21/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11
	Toluene:	10.7
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1411	0.0	N					
IPML-A	1409	0.0	N					
SAM1.5	1407	0.0	N					
IPML-B	1405	0.0	N					
SAM-2	1403	0.0	N					
SAM-2.5	1401	0.0	N					
IPML-C	1359	0.0	N					
IPML-D	1357	0.0	N					
SAM-3	1355	0.0	N					
IPML-E	1353	0.0	N					
IPML-F	1351	0.0	N					
SAM-4/5	1349	0.0	N					
IPML-G	1347	0.0	N					
IPML-H	1345	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 12/21/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11
	Toluene:	10.7
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1446	0.0	N					
IPML-A	1444	0.0	N					
SAM1.5	1442	0.0	N					
IPML-B	1440	0.0	N					
SAM-2	1438	0.0	N					
SAM-2.5	1436	0.0	N					
IPML-C	1434	0.0	N					
IPML-D	1432	0.0	N					
SAM-3	1430	0.0	N					
IPML-E	1428	0.0	N					
IPML-F	1426	0.0	N					
SAM-4/5	1424	0.0	N					
IPML-G	1422	0.0	N					
IPML-H	1420	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 12/21/2023	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11
	Toluene:	10.7
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1526	0.0	N					
IPML-A	1524	0.0	N					
SAM1.5	1522	0.0	N					
IPML-B	1520	0.0	N					
SAM-2	1518	0.0	N					
SAM-2.5	1516	0.0	N					
IPML-C	1514	0.0	N					
IPML-D	1512	0.0	N					
SAM-3	1510	0.0	N					
IPML-E	1508	0.0	N					
IPML-F	1506	0.0	N					
SAM-4/5	1504	0.0	N					
IPML-G	1502	0.0	N					
IPML-H	1500	0.0	N					

Additional Comments:	End of day.
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 12/27/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.0
	Toluene:	10.9
Calibration (ppm)	Pass/Fail/NA:	Pass

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	100
	PID Span (100 ppm Isobutylene)	50
	Drager GC (10 ppm Isobutylene/Toluene)	400

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0740	0.0	N					
IPML-A	0746	0.0	N					
SAM1.5	0748	0.0	N					
IPML-B	0750	0.0	N					
SAM-2	0752	0.0	N					
SAM-2.5	0754	0.0	N					
IPML-C	0757	0.0	N					
IPML-D	0759	0.1	N					
SAM-3	0802	0.1	N					
IPML-E	0804	0.1	N					
IPML-F	0806	0.1	N					
SAM-4/5	0808	0.1	N					
IPML-G	0813	0.1	N					
IPML-H	0815	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/27/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.0
	Toluene:	10.9
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0941	0.0	N					
IPML-A	0943	0.0	N					
SAM1.5	0945	0.0	N					
IPML-B	0947	0.0	N					
SAM-2	0949	0.0	N					
SAM-2.5	0951	0.0	N					
IPML-C	0953	0.0	N					
IPML-D	0955	0.0	N					
SAM-3	0957	0.0	N					
IPML-E	0959	0.0	N					
IPML-F	1001	0.1	N					
SAM-4/5	1003	0.1	N					
IPML-G	1005	0.1	N					
IPML-H	1007	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 12/27/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.0
	Toluene:	10.9
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1042	0.1	N					
IPML-A	1044	0.1	N					
SAM1.5	1046	0.0	N					
IPML-B	1048	0.1	N					
SAM-2	1050	0.1	N					
SAM-2.5	1052	0.1	N					
IPML-C	1054	0.1	N					
IPML-D	1056	0.1	N					
SAM-3	1058	0.1	N					
IPML-E	1100	0.1	N					
IPML-F	1102	0.1	N					
SAM-4/5	1104	0.1	N					
IPML-G	1106	0.1	N					
IPML-H	1108	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/27/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.0
	Toluene:	10.9
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1144	0.1	N					
IPML-A	1148	0.1	N					
SAM1.5	1150	0.1	N					
IPML-B	1152	0.1	N					
SAM-2	1154	0.1	N					
SAM-2.5	1156	0.1	N					
IPML-C	1158	0.1	N					
IPML-D	1200	0.1	N					
SAM-3	1202	0.1	N					
IPML-E	1204	0.1	N					
IPML-F	1206	0.1	N					
SAM-4/5	1208	0.1	N					
IPML-G	1210	0.1	N					
IPML-H	1212	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/27/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.0
	Toluene:	10.9
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1242	0.1	N					
IPML-A	1244	0.0	N					
SAM1.5	1246	0.1	N					
IPML-B	1249	0.0	N					
SAM-2	1251	0.1	N					
SAM-2.5	1253	0.1	N					
IPML-C	1255	0.1	N					
IPML-D	1257	0.1	N					
SAM-3	1259	0.1	N					
IPML-E	1301	0.1	N					
IPML-F	1303	0.1	N					
SAM-4/5	1305	0.1	N					
IPML-G	1307	0.1	N					
IPML-H	1309	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 10/27/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.0
	Toluene:	10.9
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1342	0.1	N					
IPML-A	1344	0.0	N					
SAM1.5	1346	0.1	N					
IPML-B	1348	0.0	N					
SAM-2	1350	0.0	N					
SAM-2.5	1352	0.0	N					
IPML-C	1354	0.0	N					
IPML-D	1356	0.0	N					
SAM-3	1358	0.0	N					
IPML-E	1400	0.0	N					
IPML-F	1402	0.1	N					
SAM-4/5	1404	0.1	N					
IPML-G	1406	0.1	N					
IPML-H	1408	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/27/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.0
	Toluene:	10.9
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1439	0.0	N					
IPML-A	1441	0.0	N					
SAM1.5	1443	0.0	N					
IPML-B	1445	0.0	N					
SAM-2	1447	0.0	N					
SAM-2.5	1449	0.1	N					
IPML-C	1451	0.0	N					
IPML-D	1453	0.0	N					
SAM-3	1455	0.0	N					
IPML-E	1457	0.1	N					
IPML-F	1459	0.1	N					
SAM-4/5	1501	0.1	N					
IPML-G	1503	0.0	N					
IPML-H	1505	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 12/27/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.0
	Toluene:	10.9
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1526	0.0	N					
IPML-A	1528	0.0	N					
SAM1.5	1530	0.0	N					
IPML-B	1532	0.0	N					
SAM-2	1534	0.0	N					
SAM-2.5	1536	0.0	N					
IPML-C	1538	0.0	N					
IPML-D	1540	0.0	N					
SAM-3	1542	0.0	N					
IPML-E	1544	0.0	N					
IPML-F	1546	0.1	N					
SAM-4/5	1548	0.1	N					
IPML-G	1550	0.1	N					
IPML-H	1552	0.1	N					

Additional Comments:	Last PID walk of the day @ 1526 - 1552

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
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Preliminary

PID & GC Readings

Date: 12/27/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.8
	Toluene:	10.1
Calibration (ppm)	Pass/Fail/NA:	Pass

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	100
	PID Span (100 ppm Isobutylene)	50
	Drager GC (10 ppm Isobutylene/Toluene)	400

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0730	0.0	N					
IPML-A	0737	0.0	N					
SAM1.5	0739	0.0	N					
IPML-B	0741	0.0	N					
SAM-2	0743	0.0	N					
SAM-2.5	0746	0.0	N					
IPML-C	0749	0.0	N					
IPML-D	0751	0.0	N					
SAM-3	0753	0.0	N					
IPML-E	0756	0.0	N					
IPML-F	0758	0.0	N					
SAM-4/5	0801	0.0	N					
IPML-G	0807	0.0	N					
IPML-H	0809	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 12/28/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.8
	Toluene:	10.1
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0838	0.0	N					
IPML-A	0840	0.0	N					
SAM1.5	0843	0.1	N					
IPML-B	0845	0.1	N					
SAM-2	0847	0.0	N					
SAM-2.5	0850	0.0	N					
IPML-C	0852	0.0	N					
IPML-D	0854	0.0	N					
SAM-3	0856	0.1	N					
IPML-E	0858	0.0	N					
IPML-F	0900	0.0	N					
SAM-4/5	0902	0.1	N					
IPML-G	0904	0.0	N					
IPML-H	0906	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/28/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.8
	Toluene:	10.1
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0933	0.0	N					
IPML-A	0935	0.0	N					
SAM1.5	0937	0.0	N					
IPML-B	0939	0.0	N					
SAM-2	0941	0.0	N					
SAM-2.5	0943	0.0	N					
IPML-C	0945	0.0	N					
IPML-D	0947	0.0	N					
SAM-3	0949	0.0	N					
IPML-E	0951	0.0	N					
IPML-F	0957	0.0	N					
SAM-4/5	0959	0.0	N					
IPML-G	1001	0.0	N					
IPML-H	1003	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 10/28/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.8
	Toluene:	10.1
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1044	0.0	N					
IPML-A	1046	0.0	N					
SAM1.5	1048	0.0	N					
IPML-B	1050	0.1	N					
SAM-2	1052	0.1	N					
SAM-2.5	1055	0.0	N					
IPML-C	1057	0.0	N					
IPML-D	1100	0.1	N					
SAM-3	1102	0.0	N					
IPML-E	1104	0.1	N					
IPML-F	1106	0.0	N					
SAM-4/5	1108	0.0	N					
IPML-G	1110	0.0	N					
IPML-H	1112	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 12/28/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.8
	Toluene:	10.1
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1138	0.0	N					
IPML-A	1140	0.0	N					
SAM1.5	1142	0.0	N					
IPML-B	1144	0.0	N					
SAM-2	1146	0.0	N					
SAM-2.5	1148	0.0	N					
IPML-C	1150	0.0	N					
IPML-D	1152	0.0	N					
SAM-3	1154	0.0	N					
IPML-E	1156	0.0	N					
IPML-F	1158	0.0	N					
SAM-4/5	1200	0.0	N					
IPML-G	1202	0.0	N					
IPML-H	1204	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 12/28/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.8
	Toluene:	10.1
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1234	0.0	N					
IPML-A	1236	0.0	N					
SAM1.5	1238	0.0	N					
IPML-B	1240	0.0	N					
SAM-2	1242	0.0	N					
SAM-2.5	1244	0.0	N					
IPML-C	1246	0.0	N					
IPML-D	1248	0.0	N					
SAM-3	1250	0.0	N					
IPML-E	1252	0.0	N					
IPML-F	1254	0.0	N					
SAM-4/5	1256	0.0	N					
IPML-G	1258	0.0	N					
IPML-H	1300	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/28/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.8
	Toluene:	10.1
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1335	0.0	N					
IPML-A	1337	0.0	N					
SAM1.5	1339	0.0	N					
IPML-B	1341	0.0	N					
SAM-2	1343	0.0	N					
SAM-2.5	1345	0.0	N					
IPML-C	1347	0.0	N					
IPML-D	1349	0.0	N					
SAM-3	1351	0.0	N					
IPML-E	1353	0.0	N					
IPML-F	1355	0.0	N					
SAM-4/5	1357	0.0	N					
IPML-G	1359	0.0	N					
IPML-H	1401	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/28/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.8
	Toluene:	10.1
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1442	0.0	N					
IPML-A	1444	0.0	N					
SAM1.5	1446	0.0	N					
IPML-B	1448	0.0	N					
SAM-2	1450	0.0	N					
SAM-2.5	1452	0.0	N					
IPML-C	1455	0.0	N					
IPML-D	1457	0.0	N					
SAM-3	1459	0.0	N					
IPML-E	1501	0.0	N					
IPML-F	1503	0.0	N					
SAM-4/5	1506	0.0	N					
IPML-G	1508	0.0	N					
IPML-H	1510	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 12/28/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.8
	Toluene:	10.1
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1533	0.0	N					
IPML-A	1537	0.0	N					
SAM1.5	1539	0.0	N					
IPML-B	1541	0.0	N					
SAM-2	1545	0.0	N					
SAM-2.5	1547	0.0	N					
IPML-C	1549	0.0	N					
IPML-D	1551	0.0	N					
SAM-3	1553	0.0	N					
IPML-E	1555	0.0	N					
IPML-F	1557	0.0	N					
SAM-4/5	1559	0.0	N					
IPML-G	1601	0.0	N					
IPML-H	1603	0.0	N					

Additional Comments:	Last PID site walk of the day @ 1533-1603

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/29/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.8
	Toluene:	10.1
Calibration (ppm)	Pass/Fail/NA:	Pass

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	100
	PID Span (100 ppm Isobutylene)	50
	Drager GC (10 ppm Isobutylene/Toluene)	400

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0740	0.0	N					
IPML-A	0742	0.0	N					
SAM1.5	0744	0.0	N					
IPML-B	0746	0.0	N					
SAM-2	0748	0.1	N					
SAM-2.5	0750	0.0	N					
IPML-C	0752	0.0	N					
IPML-D	0754	0.0	N					
SAM-3	0756	0.1	N					
IPML-E	0758	0.0	N					
IPML-F	0800	0.0	N					
SAM-4/5	0802	0.0	N					
IPML-G	0804	0.1	N					
IPML-H	0806	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/29/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.8
	Toluene:	10.1
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0830	0.0	N					
IPML-A	0832	0.0	N					
SAM1.5	0834	0.0	N					
IPML-B	0836	0.0	N					
SAM-2	0838	0.0	N					
SAM-2.5	0840	0.0	N					
IPML-C	0842	0.0	N					
IPML-D	0844	0.0	N					
SAM-3	0846	0.0	N					
IPML-E	0848	0.0	N					
IPML-F	0850	0.0	N					
SAM-4/5	0852	0.0	N					
IPML-G	0854	0.0	N					
IPML-H	0856	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 12/29/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.8
	Toluene:	10.1
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0930	0.0	N					
IPML-A	0932	0.0	N					
SAM1.5	0934	0.0	N					
IPML-B	0936	0.0	N					
SAM-2	0938	0.0	N					
SAM-2.5	0940	0.0	N					
IPML-C	0942	0.0	N					
IPML-D	0944	0.0	N					
SAM-3	0946	0.0	N					
IPML-E	0948	0.0	N					
IPML-F	0950	0.0	N					
SAM-4/5	0952	0.0	N					
IPML-G	0954	0.0	N					
IPML-H	0956	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 12/29/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.8
	Toluene:	10.1
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1030	0.0	N					
IPML-A	1032	0.0	N					
SAM1.5	1034	0.0	N					
IPML-B	1036	0.0	N					
SAM-2	1038	0.0	N					
SAM-2.5	1040	0.0	N					
IPML-C	1042	0.0	N					
IPML-D	1044	0.0	N					
SAM-3	1046	0.0	N					
IPML-E	1048	0.0	N					
IPML-F	1050	0.0	N					
SAM-4/5	1052	0.0	N					
IPML-G	1054	0.0	N					
IPML-H	1056	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 12/29/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.8
	Toluene:	10.1
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1129	0.0	N					
IPML-A	1131	0.0	N					
SAM1.5	1133	0.0	N					
IPML-B	1135	0.0	N					
SAM-2	1137	0.0	N					
SAM-2.5	1139	0.0	N					
IPML-C	1141	0.0	N					
IPML-D	1143	0.0	N					
SAM-3	1145	0.0	N					
IPML-E	1147	0.0	N					
IPML-F	1149	0.0	N					
SAM-4/5	1151	0.0	N					
IPML-G	1153	0.0	N					
IPML-H	1157	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 12/29/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.8
	Toluene:	10.1
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1230	0.0	N					
IPML-A	1232	0.0	N					
SAM1.5	1234	0.0	N					
IPML-B	1236	0.0	N					
SAM-2	1238	0.0	N					
SAM-2.5	1240	0.0	N					
IPML-C	1242	0.0	N					
IPML-D	1244	0.0	N					
SAM-3	1246	0.0	N					
IPML-E	1248	0.0	N					
IPML-F	1250	0.0	N					
SAM-4/5	1252	0.0	N					
IPML-G	1254	0.0	N					
IPML-H	1256	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 12/29/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.8
	Toluene:	10.1
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1345	0.0	N					
IPML-A	1347	0.0	N					
SAM1.5	1349	0.0	N					
IPML-B	1351	0.0	N					
SAM-2	1353	0.0	N					
SAM-2.5	1355	0.0	N					
IPML-C	1357	0.0	N					
IPML-D	1359	0.0	N					
SAM-3	1401	0.0	N					
IPML-E	1403	0.0	N					
IPML-F	1405	0.0	N					
SAM-4/5	1407	0.0	N					
IPML-G	1409	0.0	N					
IPML-H	1411	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 12/29/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.8
	Toluene:	10.1
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1440	0.0	N					
IPML-A	1442	0.0	N					
SAM1.5	1444	0.0	N					
IPML-B	1446	0.0	N					
SAM-2	1448	0.0	N					
SAM-2.5	1450	0.0	N					
IPML-C	1452	0.0	N					
IPML-D	1454	0.0	N					
SAM-3	1456	0.0	N					
IPML-E	1458	0.0	N					
IPML-F	1500	0.0	N					
SAM-4/5	1502	0.0	N					
IPML-G	1504	0.0	N					
IPML-H	1506	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 12/29/2023	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.8
	Toluene:	10.1
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1536	0.0	N					
IPML-A	1538	0.0	N					
SAM1.5	1540	0.0	N					
IPML-B	1542	0.0	N					
SAM-2	1544	0.0	N					
SAM-2.5	1546	0.0	N					
IPML-C	1548	0.0	N					
IPML-D	1550	0.0	N					
SAM-3	1552	0.0	N					
IPML-E	1554	0.0	N					
IPML-F	1556	0.0	N					
SAM-4/5	1558	0.0	N					
IPML-G	1600	0.0	N					
IPML-H	1602	0.0	N					

Additional Comments:	Last PID walk of the day @ 1536 - 1602

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/02/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.4
	Toluene:	10.7
Calibration (ppm)	Pass/Fail/NA:	Pass

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	75
	PID Span (100 ppm Isobutylene)	25
	Drager GC (10 ppm Isobutylene/Toluene)	400

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	N/A	N/A	N/A					
IPML-A	N/A	N/A	N/A					
SAM1.5	N/A	N/A	N/A					
IPML-B	N/A	N/A	N/A					
SAM-2	N/A	N/A	N/A					
SAM-2.5	N/A	N/A	N/A					
IPML-C	N/A	N/A	N/A					
IPML-D	N/A	N/A	N/A					
SAM-3	N/A	N/A	N/A					
IPML-E	N/A	N/A	N/A					
IPML-F	N/A	N/A	N/A					
SAM-4/5	N/A	N/A	N/A					
IPML-G	N/A	N/A	N/A					
IPML-H	N/A	N/A	N/A					

Additional Comments:	Was not onsite for the 0700 hour PID site walk

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/02/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.4
	Toluene:	10.7
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	N/A	N/A	N/A					
IPML-A	N/A	N/A	N/A					
SAM1.5	N/A	N/A	N/A					
IPML-B	N/A	N/A	N/A					
SAM-2	N/A	N/A	N/A					
SAM-2.5	N/A	N/A	N/A					
IPML-C	N/A	N/A	N/A					
IPML-D	N/A	N/A	N/A					
SAM-3	N/A	N/A	N/A					
IPML-E	N/A	N/A	N/A					
IPML-F	N/A	N/A	N/A					
SAM-4/5	N/A	N/A	N/A					
IPML-G	N/A	N/A	N/A					
IPML-H	N/A	N/A	N/A					

Additional Comments:	Was not onsite for the 0800 hour PID site walk

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/02/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.4
	Toluene:	10.7
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	N/A	N/A	N/A					
IPML-A	N/A	N/A	N/A					
SAM1.5	N/A	N/A	N/A					
IPML-B	N/A	N/A	N/A					
SAM-2	N/A	N/A	N/A					
SAM-2.5	N/A	N/A	N/A					
IPML-C	N/A	N/A	N/A					
IPML-D	N/A	N/A	N/A					
SAM-3	N/A	N/A	N/A					
IPML-E	N/A	N/A	N/A					
IPML-F	N/A	N/A	N/A					
SAM-4/5	N/A	N/A	N/A					
IPML-G	N/A	N/A	N/A					
IPML-H	N/A	N/A	N/A					

Additional Comments:	Was not onsite for the 0900 hour PID site walk

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/02/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.4
	Toluene:	10.7
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1035	0.0	N					
IPML-A	1037	0.0	N					
SAM1.5	1041	0.0	N					
IPML-B	1043	0.0	N					
SAM-2	1047	0.0	N					
SAM-2.5	1050	0.0	N					
IPML-C	1052	0.0	N					
IPML-D	1054	0.0	N					
SAM-3	1058	0.0	N					
IPML-E	1100	0.0	N					
IPML-F	1102	0.0	N					
SAM-4/5	1107	0.1	N					
IPML-G	1109	0.1	N					
IPML-H	1111	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/02/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.4
	Toluene:	10.7
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1154	0.0	N					
IPML-A	1156	0.0	N					
SAM1.5	1158	0.0	N					
IPML-B	1200	0.0	N					
SAM-2	1202	0.0	N					
SAM-2.5	1204	0.0	N					
IPML-C	1206	0.0	N					
IPML-D	1208	0.0	N					
SAM-3	1210	0.0	N					
IPML-E	1212	0.0	N					
IPML-F	1214	0.0	N					
SAM-4/5	1216	0.0	N					
IPML-G	1218	0.0	N					
IPML-H	1220	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/02/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.4
	Toluene:	10.7
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1240	0.0	N					
IPML-A	1242	0.0	N					
SAM1.5	1244	0.0	N					
IPML-B	1246	0.0	N					
SAM-2	1248	0.0	N					
SAM-2.5	1250	0.0	N					
IPML-C	1252	0.0	N					
IPML-D	1254	0.0	N					
SAM-3	1256	0.0	N					
IPML-E	1258	0.0	N					
IPML-F	1300	0.0	N					
SAM-4/5	1302	0.0	N					
IPML-G	1304	0.0	N					
IPML-H	1306	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/02/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.4
	Toluene:	10.7
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	N/A	N/A	N/A					
IPML-A	N/A	N/A	N/A					
SAM1.5	N/A	N/A	N/A					
IPML-B	N/A	N/A	N/A					
SAM-2	N/A	N/A	N/A					
SAM-2.5	N/A	N/A	N/A					
IPML-C	N/A	N/A	N/A					
IPML-D	N/A	N/A	N/A					
SAM-3	N/A	N/A	N/A					
IPML-E	N/A	N/A	N/A					
IPML-F	N/A	N/A	N/A					
SAM-4/5	N/A	N/A	N/A					
IPML-G	N/A	N/A	N/A					
IPML-H	N/A	N/A	N/A					

Additional Comments:	Missed 1300 hour PID site walk due to passive removal and installation

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/02/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.4
	Toluene:	10.7
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1420	0.0	N					
IPML-A	1422	0.0	N					
SAM1.5	1424	0.0	N					
IPML-B	1426	0.0	N					
SAM-2	1428	0.0	N					
SAM-2.5	1430	0.0	N					
IPML-C	1432	0.0	N					
IPML-D	1434	0.0	N					
SAM-3	1436	0.0	N					
IPML-E	1438	0.0	N					
IPML-F	1440	0.0	N					
SAM-4/5	1442	0.0	N					
IPML-G	1444	0.0	N					
IPML-H	1446	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/02/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	11.4
	Toluene:	10.7
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1528	0.0	N					
IPML-A	1530	0.0	N					
SAM1.5	1532	0.0	N					
IPML-B	1534	0.0	N					
SAM-2	1536	0.0	N					
SAM-2.5	1538	0.0	N					
IPML-C	1540	0.0	N					
IPML-D	1542	0.0	N					
SAM-3	1545	0.0	N					
IPML-E	1547	0.0	N					
IPML-F	1549	0.0	N					
SAM-4/5	1551	0.0	N					
IPML-G	1553	0.0	N					
IPML-H	1555	0.0	N					

Additional Comments:	Last PID site walk of the day @ 1528-1555

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/03/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.9
	Toluene:	10.0
Calibration (ppm)	Pass/Fail/NA:	Pass

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	75
	PID Span (100 ppm Isobutylene)	25
	Drager GC (10 ppm Isobutylene/Toluene)	400

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0727	0.0	N					
IPML-A	0729	0.0	N					
SAM1.5	0733	0.0	N					
IPML-B	0735	0.0	N					
SAM-2	0740	0.0	N					
SAM-2.5	0743	0.0	N					
IPML-C	0745	0.0	N					
IPML-D	0747	0.0	N					
SAM-3	0751	0.0	N					
IPML-E	0753	0.0	N					
IPML-F	0755	0.0	N					
SAM-4/5	0800	0.0	N					
IPML-G	0802	0.0	N					
IPML-H	0804	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/03/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.9
	Toluene:	10.0
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0840	0.0	N					
IPML-A	0842	0.0	N					
SAM1.5	0844	0.0	N					
IPML-B	0846	0.0	N					
SAM-2	0848	0.0	N					
SAM-2.5	0850	0.0	N					
IPML-C	0852	0.0	N					
IPML-D	0854	0.0	N					
SAM-3	0856	0.0	N					
IPML-E	0858	0.0	N					
IPML-F	0900	0.0	N					
SAM-4/5	0902	0.0	N					
IPML-G	0904	0.0	N					
IPML-H	0906	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/03/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.9
	Toluene:	10.0
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0937	0.0	N					
IPML-A	0939	0.0	N					
SAM1.5	0941	0.0	N					
IPML-B	0943	0.0	N					
SAM-2	0945	0.0	N					
SAM-2.5	0947	0.0	N					
IPML-C	0949	0.0	N					
IPML-D	0951	0.0	N					
SAM-3	0953	0.0	N					
IPML-E	0955	0.0	N					
IPML-F	0957	0.0	N					
SAM-4/5	0959	0.0	N					
IPML-G	1001	0.0	N					
IPML-H	1003	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/03/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.9
	Toluene:	10.0
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1041	0.0	N					
IPML-A	1043	0.0	N					
SAM1.5	1045	0.0	N					
IPML-B	1047	0.0	N					
SAM-2	1049	0.0	N					
SAM-2.5	1051	0.0	N					
IPML-C	1053	0.0	N					
IPML-D	1055	0.0	N					
SAM-3	1057	0.0	N					
IPML-E	1059	0.0	N					
IPML-F	1101	0.0	N					
SAM-4/5	1103	0.0	N					
IPML-G	1105	0.0	N					
IPML-H	1107	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/03/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.9
	Toluene:	10.0
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1140	0.0	N					
IPML-A	1142	0.0	N					
SAM1.5	1144	0.0	N					
IPML-B	1146	0.0	N					
SAM-2	1148	0.0	N					
SAM-2.5	1150	0.0	N					
IPML-C	1152	0.0	N					
IPML-D	1154	0.0	N					
SAM-3	1156	0.0	N					
IPML-E	1158	0.0	N					
IPML-F	1200	0.0	N					
SAM-4/5	1202	0.0	N					
IPML-G	1204	0.0	N					
IPML-H	1206	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/03/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.9
	Toluene:	10.0
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1233	0.0	N					
IPML-A	1235	0.0	N					
SAM1.5	1237	0.0	N					
IPML-B	1239	0.0	N					
SAM-2	1241	0.0	N					
SAM-2.5	1243	0.0	N					
IPML-C	1245	0.0	N					
IPML-D	1247	0.0	N					
SAM-3	1249	0.0	N					
IPML-E	1251	0.0	N					
IPML-F	1253	0.0	N					
SAM-4/5	1255	0.0	N					
IPML-G	1257	0.0	N					
IPML-H	1259	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/03/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.9
	Toluene:	10.0
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1341	0.0	N					
IPML-A	1343	0.0	N					
SAM1.5	1345	0.0	N					
IPML-B	1347	0.0	N					
SAM-2	1349	0.0	N					
SAM-2.5	1351	0.0	N					
IPML-C	1353	0.0	N					
IPML-D	1355	0.0	N					
SAM-3	1357	0.0	N					
IPML-E	1359	0.0	N					
IPML-F	1401	0.0	N					
SAM-4/5	1403	0.0	N					
IPML-G	1405	0.0	N					
IPML-H	1407	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/03/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.9
	Toluene:	10.0
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1441	0.0	N					
IPML-A	1443	0.0	N					
SAM1.5	1445	0.0	N					
IPML-B	1447	0.0	N					
SAM-2	1450	0.0	N					
SAM-2.5	1452	0.0	N					
IPML-C	1454	0.0	N					
IPML-D	1456	0.0	N					
SAM-3	1458	0.0	N					
IPML-E	1500	0.0	N					
IPML-F	1502	0.0	N					
SAM-4/5	1504	0.0	N					
IPML-G	1506	0.0	N					
IPML-H	1508	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/03/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.9
	Toluene:	10.0
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1531	0.0	N					
IPML-A	1533	0.0	N					
SAM1.5	1535	0.0	N					
IPML-B	1537	0.0	N					
SAM-2	1539	0.0	N					
SAM-2.5	1541	0.0	N					
IPML-C	1543	0.0	N					
IPML-D	1545	0.0	N					
SAM-3	1547	0.0	N					
IPML-E	1549	0.0	N					
IPML-F	1551	0.0	N					
SAM-4/5	1553	0.0	N					
IPML-G	1555	0.0	N					
IPML-H	1557	0.0	N					

Additional Comments:	Last PID site walk of the day @ 1531-1557

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/04/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.9
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	Pass

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	75
	PID Span (100 ppm Isobutylene)	25
	Drager GC (10 ppm Isobutylene/Toluene)	400

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0728	0.0	N					
IPML-A	0730	0.0	N					
SAM1.5	0734	0.0	N					
IPML-B	0736	0.0	N					
SAM-2	0740	0.0	N					
SAM-2.5	0744	0.0	N					
IPML-C	0746	0.0	N					
IPML-D	0748	0.0	N					
SAM-3	0752	0.0	N					
IPML-E	0754	0.0	N					
IPML-F	0756	0.0	N					
SAM-4/5	0801	0.0	N					
IPML-G	0803	0.0	N					
IPML-H	0805	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/04/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.9
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0830	0.0	N					
IPML-A	0832	0.0	N					
SAM1.5	0834	0.0	N					
IPML-B	0836	0.0	N					
SAM-2	0838	0.0	N					
SAM-2.5	0840	0.0	N					
IPML-C	0842	0.0	N					
IPML-D	0844	0.0	N					
SAM-3	0846	0.0	N					
IPML-E	0848	0.0	N					
IPML-F	0850	0.0	N					
SAM-4/5	0852	0.0	N					
IPML-G	0854	0.0	N					
IPML-H	0856	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/04/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.9
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0948	0.0	N					
IPML-A	0950	0.0	N					
SAM1.5	0952	0.0	N					
IPML-B	0954	0.0	N					
SAM-2	0956	0.0	N					
SAM-2.5	0958	0.0	N					
IPML-C	1000	0.0	N					
IPML-D	1002	0.0	N					
SAM-3	1004	0.0	N					
IPML-E	1006	0.0	N					
IPML-F	1008	0.0	N					
SAM-4/5	1010	0.0	N					
IPML-G	1012	0.0	N					
IPML-H	1014	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/04/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.9
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1040	0.0	N					
IPML-A	1042	0.0	N					
SAM1.5	1044	0.0	N					
IPML-B	1046	0.0	N					
SAM-2	1048	0.0	N					
SAM-2.5	1050	0.0	N					
IPML-C	1052	0.0	N					
IPML-D	1054	0.0	N					
SAM-3	1056	0.0	N					
IPML-E	1058	0.0	N					
IPML-F	1100	0.0	N					
SAM-4/5	1102	0.0	N					
IPML-G	1104	0.0	N					
IPML-H	1106	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/04/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.9
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1142	0.0	N					
IPML-A	1144	0.0	N					
SAM1.5	1146	0.0	N					
IPML-B	1148	0.0	N					
SAM-2	1150	0.0	N					
SAM-2.5	1152	0.0	N					
IPML-C	1154	0.0	N					
IPML-D	1156	0.0	N					
SAM-3	1158	0.0	N					
IPML-E	1200	0.0	N					
IPML-F	1202	0.0	N					
SAM-4/5	1204	0.0	N					
IPML-G	1206	0.0	N					
IPML-H	1208	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/04/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.9
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1238	0.0	N					
IPML-A	1240	0.0	N					
SAM1.5	1242	0.0	N					
IPML-B	1244	0.0	N					
SAM-2	1246	0.0	N					
SAM-2.5	1248	0.0	N					
IPML-C	1250	0.0	N					
IPML-D	1252	0.0	N					
SAM-3	1254	0.0	N					
IPML-E	1256	0.0	N					
IPML-F	1258	0.0	N					
SAM-4/5	1300	0.0	N					
IPML-G	1302	0.0	N					
IPML-H	1304	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 01/04/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.9
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1340	0.0	N					
IPML-A	1342	0.0	N					
SAM1.5	1344	0.0	N					
IPML-B	1346	0.0	N					
SAM-2	1348	0.0	N					
SAM-2.5	1350	0.0	N					
IPML-C	1352	0.0	N					
IPML-D	1354	0.0	N					
SAM-3	1356	0.0	N					
IPML-E	1358	0.0	N					
IPML-F	1400	0.0	N					
SAM-4/5	1402	0.0	N					
IPML-G	1404	0.0	N					
IPML-H	1406	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 01/04/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.9
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1438	0.0	N					
IPML-A	1440	0.0	N					
SAM1.5	1442	0.0	N					
IPML-B	1444	0.0	N					
SAM-2	1446	0.0	N					
SAM-2.5	1448	0.0	N					
IPML-C	1450	0.0	N					
IPML-D	1452	0.0	N					
SAM-3	1454	0.0	N					
IPML-E	1456	0.0	N					
IPML-F	1458	0.0	N					
SAM-4/5	1500	0.0	N					
IPML-G	1502	0.0	N					
IPML-H	1504	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/04/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.9
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1528	0.0	N					
IPML-A	1530	0.0	N					
SAM1.5	1532	0.0	N					
IPML-B	1534	0.0	N					
SAM-2	1536	0.0	N					
SAM-2.5	1538	0.0	N					
IPML-C	1540	0.0	N					
IPML-D	1542	0.0	N					
SAM-3	1544	0.0	N					
IPML-E	1546	0.0	N					
IPML-F	1548	0.0	N					
SAM-4/5	1550	0.0	N					
IPML-G	1552	0.0	N					
IPML-H	1554	0.0	N					

Additional Comments:	Last PID site walk of the day @ 1528-1554

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
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Preliminary

PID & GC Readings

Date: 01/05/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.8
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	Pass

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	75
	PID Span (100 ppm Isobutylene)	25
	Drager GC (10 ppm Isobutylene/Toluene)	500

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0728	0.0	N					
IPML-A	0732	0.0	N					
SAM1.5	0734	0.0	N					
IPML-B	0737	0.0	N					
SAM-2	0739	0.0	N					
SAM-2.5	0741	0.0	N					
IPML-C	0743	0.0	N					
IPML-D	0745	0.0	N					
SAM-3	0747	0.0	N					
IPML-E	0754	0.0	N					
IPML-F	0756	0.0	N					
SAM-4/5	0758	0.0	N					
IPML-G	0804	0.0	N					
IPML-H	0806	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/05/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.8
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0837	0.0	N					
IPML-A	0839	0.0	N					
SAM1.5	0841	0.0	N					
IPML-B	0843	0.0	N					
SAM-2	0845	0.0	N					
SAM-2.5	0847	0.0	N					
IPML-C	0849	0.0	N					
IPML-D	0851	0.0	N					
SAM-3	0854	0.0	N					
IPML-E	0856	0.0	N					
IPML-F	0858	0.0	N					
SAM-4/5	0900	0.0	N					
IPML-G	0902	0.0	N					
IPML-H	0904	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 01/05/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.8
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0940	0.0	N					
IPML-A	0942	0.0	N					
SAM1.5	0944	0.0	N					
IPML-B	0946	0.0	N					
SAM-2	0948	0.0	N					
SAM-2.5	0950	0.0	N					
IPML-C	0952	0.0	N					
IPML-D	0954	0.0	N					
SAM-3	0956	0.0	N					
IPML-E	0958	0.0	N					
IPML-F	1000	0.0	N					
SAM-4/5	1002	0.0	N					
IPML-G	1004	0.0	N					
IPML-H	1006	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/05/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.8
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1040	0.0	N					
IPML-A	1042	0.0	N					
SAM1.5	1044	0.0	N					
IPML-B	1046	0.0	N					
SAM-2	1048	0.0	N					
SAM-2.5	1050	0.0	N					
IPML-C	1052	0.0	N					
IPML-D	1054	0.0	N					
SAM-3	1056	0.0	N					
IPML-E	1058	0.0	N					
IPML-F	1100	0.0	N					
SAM-4/5	1102	0.0	N					
IPML-G	1104	0.0	N					
IPML-H	1106	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/05/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.8
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1140	0.0	N					
IPML-A	1142	0.0	N					
SAM1.5	1144	0.0	N					
IPML-B	1146	0.0	N					
SAM-2	1148	0.0	N					
SAM-2.5	1150	0.0	N					
IPML-C	1152	0.0	N					
IPML-D	1154	0.0	N					
SAM-3	1156	0.0	N					
IPML-E	1158	0.0	N					
IPML-F	1200	0.0	N					
SAM-4/5	1202	0.0	N					
IPML-G	1204	0.0	N					
IPML-H	1206	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/05/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.8
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1240	0.0	N					
IPML-A	1242	0.0	N					
SAM1.5	1244	0.0	N					
IPML-B	1246	0.0	N					
SAM-2	1248	0.0	N					
SAM-2.5	1250	0.0	N					
IPML-C	1252	0.0	N					
IPML-D	1254	0.0	N					
SAM-3	1256	0.0	N					
IPML-E	1258	0.0	N					
IPML-F	1300	0.0	N					
SAM-4/5	1302	0.0	N					
IPML-G	1304	0.0	N					
IPML-H	1306	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/05/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.8
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1340	0.0	N					
IPML-A	1342	0.0	N					
SAM1.5	1344	0.0	N					
IPML-B	1346	0.0	N					
SAM-2	1348	0.0	N					
SAM-2.5	1350	0.0	N					
IPML-C	1352	0.0	N					
IPML-D	1354	0.0	N					
SAM-3	1356	0.0	N					
IPML-E	1358	0.0	N					
IPML-F	1400	0.0	N					
SAM-4/5	1402	0.0	N					
IPML-G	1404	0.0	N					
IPML-H	1406	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/05/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.8
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1440	0.0	N					
IPML-A	1442	0.0	N					
SAM1.5	1444	0.0	N					
IPML-B	1446	0.0	N					
SAM-2	1448	0.0	N					
SAM-2.5	1450	0.0	N					
IPML-C	1452	0.0	N					
IPML-D	1454	0.0	N					
SAM-3	1456	0.0	N					
IPML-E	1458	0.0	N					
IPML-F	1500	0.0	N					
SAM-4/5	1502	0.0	N					
IPML-G	1504	0.0	N					
IPML-H	1506	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

1/5/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.8
	Toluene:	10.2
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1527	0.0	N					
IPML-A	1529	0.0	N					
SAM1.5	1531	0.0	N					
IPML-B	1533	0.0	N					
SAM-2	1535	0.0	N					
SAM-2.5	1537	0.0	N					
IPML-C	1539	0.0	N					
IPML-D	1541	0.0	N					
SAM-3	1543	0.0	N					
IPML-E	1545	0.0	N					
IPML-F	1547	0.0	N					
SAM-4/5	1549	0.0	N					
IPML-G	1551	0.0	N					
IPML-H	1553	0.0	N					

Additional Comments:	Last PID site walk of the day @ 1527-1553

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
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Preliminary

PID & GC Readings

Date: 01/06/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.6
	Toluene:	10.0
Calibration (ppm)	Pass/Fail/NA:	Pass

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	50
	PID Span (100 ppm Isobutylene)	250
	Drager GC (10 ppm Isobutylene/Toluene)	500

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0735	0.0	N					
IPML-A	0739	0.0	N					
SAM1.5	0741	0.0	N					
IPML-B	0745	0.0	N					
SAM-2	0747	0.0	N					
SAM-2.5	0751	0.0	N					
IPML-C	0754	0.0	N					
IPML-D	0756	0.0	N					
SAM-3	0758	0.0	N					
IPML-E	0801	0.0	N					
IPML-F	0803	0.0	N					
SAM-4/5	0805	0.0	N					
IPML-G	0810	0.0	N					
IPML-H	0812	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 01/06/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.6
	Toluene:	10.0
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0840	0.0	N					
IPML-A	0842	0.0	N					
SAM1.5	0844	0.0	N					
IPML-B	0846	0.0	N					
SAM-2	0848	0.0	N					
SAM-2.5	0850	0.0	N					
IPML-C	0852	0.0	N					
IPML-D	0854	0.0	N					
SAM-3	0856	0.0	N					
IPML-E	0858	0.0	N					
IPML-F	0900	0.0	N					
SAM-4/5	0902	0.0	N					
IPML-G	0904	0.0	N					
IPML-H	0906	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 01/06/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.6
	Toluene:	10.0
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0940	0.0	N					
IPML-A	0942	0.0	N					
SAM1.5	0944	0.0	N					
IPML-B	0946	0.0	N					
SAM-2	0948	0.0	N					
SAM-2.5	0950	0.0	N					
IPML-C	0952	0.0	N					
IPML-D	0954	0.0	N					
SAM-3	0956	0.0	N					
IPML-E	0958	0.0	N					
IPML-F	1000	0.0	N					
SAM-4/5	1002	0.0	N					
IPML-G	1004	0.0	N					
IPML-H	1006	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/06/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.6
	Toluene:	10.0
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1040	0.0	N					
IPML-A	1042	0.0	N					
SAM1.5	1044	0.0	N					
IPML-B	1046	0.0	N					
SAM-2	1048	0.0	N					
SAM-2.5	1050	0.0	N					
IPML-C	1052	0.0	N					
IPML-D	1054	0.0	N					
SAM-3	1056	0.0	N					
IPML-E	1058	0.0	N					
IPML-F	1100	0.0	N					
SAM-4/5	1102	0.0	N					
IPML-G	1104	0.0	N					
IPML-H	1106	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/06/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.6
	Toluene:	10.0
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1140	0.0	N					
IPML-A	1142	0.0	N					
SAM1.5	1144	0.0	N					
IPML-B	1146	0.0	N					
SAM-2	1148	0.0	N					
SAM-2.5	1150	0.0	N					
IPML-C	1152	0.0	N					
IPML-D	1154	0.0	N					
SAM-3	1156	0.0	N					
IPML-E	1158	0.0	N					
IPML-F	1200	0.0	N					
SAM-4/5	1202	0.0	N					
IPML-G	1204	0.0	N					
IPML-H	1206	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/06/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.6
	Toluene:	10.0
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1240	0.0	N					
IPML-A	1242	0.0	N					
SAM1.5	1244	0.0	N					
IPML-B	1246	0.0	N					
SAM-2	1248	0.0	N					
SAM-2.5	1250	0.0	N					
IPML-C	1252	0.0	N					
IPML-D	1254	0.0	N					
SAM-3	1256	0.0	N					
IPML-E	1258	0.0	N					
IPML-F	1300	0.0	N					
SAM-4/5	1302	0.0	N					
IPML-G	1304	0.0	N					
IPML-H	1306	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/06/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.6
	Toluene:	10.0
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1340	0.0	N					
IPML-A	1342	0.0	N					
SAM1.5	1344	0.0	N					
IPML-B	1346	0.0	N					
SAM-2	1348	0.0	N					
SAM-2.5	1350	0.0	N					
IPML-C	1352	0.0	N					
IPML-D	1354	0.0	N					
SAM-3	1356	0.0	N					
IPML-E	1358	0.0	N					
IPML-F	1400	0.0	N					
SAM-4/5	1402	0.0	N					
IPML-G	1404	0.0	N					
IPML-H	1406	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/06/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.6
	Toluene:	10.0
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1440	0.0	N					
IPML-A	1442	0.0	N					
SAM1.5	1444	0.0	N					
IPML-B	1446	0.0	N					
SAM-2	1448	0.0	N					
SAM-2.5	1450	0.0	N					
IPML-C	1452	0.0	N					
IPML-D	1454	0.0	N					
SAM-3	1456	0.0	N					
IPML-E	1458	0.0	N					
IPML-F	1500	0.0	N					
SAM-4/5	1502	0.0	N					
IPML-G	1504	0.0	N					
IPML-H	1506	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/06/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.6
	Toluene:	10.0
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1530	0.0	N					
IPML-A	1532	0.0	N					
SAM1.5	1534	0.0	N					
IPML-B	1536	0.0	N					
SAM-2	1538	0.0	N					
SAM-2.5	1540	0.0	N					
IPML-C	1542	0.0	N					
IPML-D	1544	0.0	N					
SAM-3	1546	0.0	N					
IPML-E	1548	0.0	N					
IPML-F	1550	0.0	N					
SAM-4/5	1552	0.0	N					
IPML-G	1554	0.0	N					
IPML-H	1556	0.0	N					

Additional Comments:	Last PID site walk of the day @ 1530-1556

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 01/08/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.6
	Toluene:	10.3
Calibration (ppm)	Pass/Fail/NA:	Pass

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	50
	PID Span (100 ppm Isobutylene)	225
	Drager GC (10 ppm Isobutylene/Toluene)	500

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0740	0.0	N					
IPML-A	0744	0.0	N					
SAM1.5	0746	0.0	N					
IPML-B	0749	0.0	N					
SAM-2	0751	0.0	N					
SAM-2.5	0754	0.0	N					
IPML-C	0757	0.0	N					
IPML-D	0759	0.0	N					
SAM-3	0802	0.0	N					
IPML-E	0804	0.0	N					
IPML-F	0806	0.0	N					
SAM-4/5	0808	0.0	N					
IPML-G	0812	0.0	N					
IPML-H	0814	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 01/08/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.6
	Toluene:	10.3
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0838	0.0	N					
IPML-A	0840	0.0	N					
SAM1.5	0842	0.0	N					
IPML-B	0844	0.0	N					
SAM-2	0846	0.0	N					
SAM-2.5	0848	0.0	N					
IPML-C	0850	0.0	N					
IPML-D	0852	0.0	N					
SAM-3	0854	0.0	N					
IPML-E	0856	0.0	N					
IPML-F	0858	0.0	N					
SAM-4/5	0900	0.0	N					
IPML-G	0902	0.0	N					
IPML-H	0904	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 01/08/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.6
	Toluene:	10.3
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0942	0.0	N					
IPML-A	0944	0.0	N					
SAM1.5	0946	0.0	N					
IPML-B	0948	0.0	N					
SAM-2	0950	0.0	N					
SAM-2.5	0952	0.0	N					
IPML-C	0957	0.0	N					
IPML-D	0959	0.0	N					
SAM-3	1001	0.0	N					
IPML-E	1003	0.0	N					
IPML-F	1005	0.0	N					
SAM-4/5	1007	0.0	N					
IPML-G	1009	0.0	N					
IPML-H	1011	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 01/08/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.6
	Toluene:	10.3
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1040	0.0	N					
IPML-A	1042	0.0	N					
SAM1.5	1044	0.0	N					
IPML-B	1046	0.0	N					
SAM-2	1048	0.0	N					
SAM-2.5	1050	0.0	N					
IPML-C	1052	0.0	N					
IPML-D	1054	0.0	N					
SAM-3	1056	0.0	N					
IPML-E	1058	0.0	N					
IPML-F	1100	0.0	N					
SAM-4/5	1102	0.0	N					
IPML-G	1104	0.0	N					
IPML-H	1106	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 01/08/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.6
	Toluene:	10.3
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1140	0.0	N					
IPML-A	1142	0.0	N					
SAM1.5	1144	0.0	N					
IPML-B	1146	0.0	N					
SAM-2	1148	0.0	N					
SAM-2.5	1150	0.0	N					
IPML-C	1152	0.0	N					
IPML-D	1154	0.0	N					
SAM-3	1156	0.0	N					
IPML-E	1158	0.0	N					
IPML-F	1200	0.0	N					
SAM-4/5	1202	0.0	N					
IPML-G	1204	0.0	N					
IPML-H	1206	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 01/08/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.6
	Toluene:	10.3
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1240	0.0	N					
IPML-A	1242	0.0	N					
SAM1.5	1244	0.0	N					
IPML-B	1246	0.0	N					
SAM-2	1248	0.0	N					
SAM-2.5	1250	0.0	N					
IPML-C	1252	0.0	N					
IPML-D	1254	0.0	N					
SAM-3	1256	0.0	N					
IPML-E	1258	0.0	N					
IPML-F	1300	0.0	N					
SAM-4/5	1302	0.0	N					
IPML-G	1304	0.0	N					
IPML-H	1306	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 01/08/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.6
	Toluene:	10.3
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1340	0.0	N					
IPML-A	1342	0.0	N					
SAM1.5	1344	0.0	N					
IPML-B	1346	0.0	N					
SAM-2	1348	0.0	N					
SAM-2.5	1350	0.0	N					
IPML-C	1352	0.0	N					
IPML-D	1354	0.0	N					
SAM-3	1356	0.0	N					
IPML-E	1358	0.0	N					
IPML-F	1400	0.0	N					
SAM-4/5	1402	0.0	N					
IPML-G	1404	0.0	N					
IPML-H	1406	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 01/08/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.6
	Toluene:	10.3
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1440	0.0	N					
IPML-A	1442	0.0	N					
SAM1.5	1444	0.0	N					
IPML-B	1446	0.0	N					
SAM-2	1448	0.0	N					
SAM-2.5	1450	0.0	N					
IPML-C	1452	0.0	N					
IPML-D	1454	0.0	N					
SAM-3	1456	0.0	N					
IPML-E	1458	0.0	N					
IPML-F	1500	0.0	N					
SAM-4/5	1502	0.0	N					
IPML-G	1504	0.0	N					
IPML-H	1506	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/08/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.6
	Toluene:	10.3
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1526	0.0	N					
IPML-A	1528	0.0	N					
SAM1.5	1530	0.0	N					
IPML-B	1532	0.0	N					
SAM-2	1534	0.0	N					
SAM-2.5	1536	0.0	N					
IPML-C	1538	0.0	N					
IPML-D	1540	0.0	N					
SAM-3	1542	0.0	N					
IPML-E	1544	0.0	N					
IPML-F	1546	0.0	N					
SAM-4/5	1548	0.0	N					
IPML-G	1550	0.0	N					
IPML-H	1552	0.0	N					

Additional Comments:	Last PID site walk of the day @ 1526-1552

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/09/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.1
	Toluene:	9.75
Calibration (ppm)	Pass/Fail/NA:	Pass

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	50
	PID Span (100 ppm Isobutylene)	225
	Drager GC (10 ppm Isobutylene/Toluene)	500

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0730	0.0	N					
IPML-A	0732	0.0	N					
SAM1.5	0734	0.0	N					
IPML-B	0736	0.0	N					
SAM-2	0738	0.0	N					
SAM-2.5	0740	0.0	N					
IPML-C	0742	0.0	N					
IPML-D	0744	0.0	N					
SAM-3	0746	0.0	N					
IPML-E	0748	0.0	N					
IPML-F	0750	0.0	N					
SAM-4/5	0752	0.0	N					
IPML-G	0754	0.0	N					
IPML-H	0756	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/09/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.1
	Toluene:	9.75
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0830	0.0	N					
IPML-A	0832	0.0	N					
SAM1.5	0834	0.0	N					
IPML-B	0836	0.0	N					
SAM-2	0838	0.0	N					
SAM-2.5	0840	0.0	N					
IPML-C	0842	0.0	N					
IPML-D	0844	0.0	N					
SAM-3	0846	0.0	N					
IPML-E	0848	0.0	N					
IPML-F	0850	0.0	N					
SAM-4/5	0852	0.0	N					
IPML-G	0854	0.0	N					
IPML-H	0856	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/09/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.1
	Toluene:	9.75
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0930	0.0	N					
IPML-A	0932	0.0	N					
SAM1.5	0934	0.0	N					
IPML-B	0936	0.0	N					
SAM-2	0938	0.0	N					
SAM-2.5	0940	0.0	N					
IPML-C	0942	0.0	N					
IPML-D	0944	0.0	N					
SAM-3	0946	0.0	N					
IPML-E	0948	0.0	N					
IPML-F	0950	0.0	N					
SAM-4/5	0952	0.0	N					
IPML-G	0954	0.0	N					
IPML-H	0956	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/09/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.1
	Toluene:	9.75
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1030	0.0	N					
IPML-A	1032	0.0	N					
SAM1.5	1034	0.0	N					
IPML-B	1036	0.0	N					
SAM-2	1038	0.0	N					
SAM-2.5	1040	0.0	N					
IPML-C	1042	0.0	N					
IPML-D	1044	0.0	N					
SAM-3	1046	0.0	N					
IPML-E	1048	0.0	N					
IPML-F	1050	0.0	N					
SAM-4/5	1052	0.0	N					
IPML-G	1054	0.0	N					
IPML-H	1056	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/09/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.1
	Toluene:	9.75
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1130	0.0	N					
IPML-A	1132	0.0	N					
SAM1.5	1134	0.0	N					
IPML-B	1136	0.0	N					
SAM-2	1138	0.0	N					
SAM-2.5	1140	0.0	N					
IPML-C	1142	0.0	N					
IPML-D	1144	0.0	N					
SAM-3	1146	0.0	N					
IPML-E	1148	0.0	N					
IPML-F	1150	0.0	N					
SAM-4/5	1152	0.0	N					
IPML-G	1154	0.0	N					
IPML-H	1156	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/09/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.1
	Toluene:	9.75
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1230	0.0	N					
IPML-A	1232	0.0	N					
SAM1.5	1234	0.0	N					
IPML-B	1236	0.0	N					
SAM-2	1238	0.0	N					
SAM-2.5	1240	0.0	N					
IPML-C	1242	0.0	N					
IPML-D	1244	0.0	N					
SAM-3	1246	0.0	N					
IPML-E	1248	0.0	N					
IPML-F	1250	0.0	N					
SAM-4/5	1252	0.0	N					
IPML-G	1254	0.0	N					
IPML-H	1256	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/09/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.1
	Toluene:	9.75
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1330	0.0	N					
IPML-A	1332	0.0	N					
SAM1.5	1334	0.0	N					
IPML-B	1336	0.0	N					
SAM-2	1338	0.0	N					
SAM-2.5	1340	0.0	N					
IPML-C	1342	0.0	N					
IPML-D	1344	0.0	N					
SAM-3	1346	0.0	N					
IPML-E	1348	0.0	N					
IPML-F	1350	0.0	N					
SAM-4/5	1352	0.0	N					
IPML-G	1354	0.0	N					
IPML-H	1356	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/09/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.1
	Toluene:	9.75
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1440	0.0	N					
IPML-A	1442	0.0	N					
SAM1.5	1444	0.0	N					
IPML-B	1446	0.0	N					
SAM-2	1448	0.0	N					
SAM-2.5	1450	0.0	N					
IPML-C	1452	0.0	N					
IPML-D	1454	0.0	N					
SAM-3	1456	0.0	N					
IPML-E	1458	0.0	N					
IPML-F	1500	0.0	N					
SAM-4/5	1502	0.0	N					
IPML-G	1504	0.0	N					
IPML-H	1506	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/09/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.1
	Toluene:	9.75
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1525	0.0	N					
IPML-A	1527	0.0	N					
SAM1.5	1529	0.0	N					
IPML-B	1531	0.0	N					
SAM-2	1533	0.0	N					
SAM-2.5	1535	0.0	N					
IPML-C	1537	0.0	N					
IPML-D	1539	0.0	N					
SAM-3	1541	0.0	N					
IPML-E	1543	0.0	N					
IPML-F	1545	0.0	N					
SAM-4/5	1547	0.0	N					
IPML-G	1549	0.0	N					
IPML-H	1551	0.0	N					

Additional Comments:	Last PID site walk of the day @ 1525-1551

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/10/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.0
	Toluene:	9.56
Calibration (ppm)	Pass/Fail/NA:	Pass

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	50
	PID Span (100 ppm Isobutylene)	225
	Drager GC (10 ppm Isobutylene/Toluene)	500

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0733	0.0	N					
IPML-A	0735	0.0	N					
SAM1.5	0737	0.0	N					
IPML-B	0739	0.0	N					
SAM-2	0741	0.0	N					
SAM-2.5	0743	0.0	N					
IPML-C	0745	0.0	N					
IPML-D	0747	0.0	N					
SAM-3	0749	0.0	N					
IPML-E	0751	0.0	N					
IPML-F	0753	0.0	N					
SAM-4/5	0755	0.0	N					
IPML-G	0757	0.0	N					
IPML-H	0759	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/10/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.0
	Toluene:	9.56
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	NA	NA	NA					
IPML-A	NA	NA	NA					
SAM1.5	NA	NA	NA					
IPML-B	NA	NA	NA					
SAM-2	NA	NA	NA					
SAM-2.5	NA	NA	NA					
IPML-C	NA	NA	NA					
IPML-D	NA	NA	NA					
SAM-3	NA	NA	NA					
IPML-E	NA	NA	NA					
IPML-F	NA	NA	NA					
SAM-4/5	NA	NA	NA					
IPML-G	NA	NA	NA					
IPML-H	NA	NA	NA					

Additional Comments:	Missed 0800 hour PID site walk due to PUF removal/installations

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/10/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.0
	Toluene:	9.56
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0939	0.0	N					
IPML-A	0941	0.0	N					
SAM1.5	0943	0.0	N					
IPML-B	0945	0.0	N					
SAM-2	0947	0.0	N					
SAM-2.5	0949	0.0	N					
IPML-C	0951	0.0	N					
IPML-D	0953	0.0	N					
SAM-3	0955	0.0	N					
IPML-E	0957	0.0	N					
IPML-F	0959	0.0	N					
SAM-4/5	1001	0.0	N					
IPML-G	1003	0.0	N					
IPML-H	1005	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/10/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.0
	Toluene:	9.56
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1041	0.0	N					
IPML-A	1043	0.0	N					
SAM1.5	1045	0.0	N					
IPML-B	1047	0.0	N					
SAM-2	1049	0.0	N					
SAM-2.5	1051	0.0	N					
IPML-C	1053	0.0	N					
IPML-D	1055	0.0	N					
SAM-3	1057	0.0	N					
IPML-E	1059	0.0	N					
IPML-F	1101	0.0	N					
SAM-4/5	1103	0.0	N					
IPML-G	1105	0.0	N					
IPML-H	1107	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/10/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.0
	Toluene:	9.56
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1140	0.0	N					
IPML-A	1142	0.0	N					
SAM1.5	1144	0.0	N					
IPML-B	1146	0.0	N					
SAM-2	1148	0.0	N					
SAM-2.5	1150	0.0	N					
IPML-C	1152	0.0	N					
IPML-D	1154	0.0	N					
SAM-3	1156	0.0	N					
IPML-E	1158	0.0	N					
IPML-F	1200	0.0	N					
SAM-4/5	1202	0.0	N					
IPML-G	1204	0.0	N					
IPML-H	1206	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/10/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.0
	Toluene:	9.56
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	NA	NA	NA					
IPML-A	NA	NA	NA					
SAM1.5	NA	NA	NA					
IPML-B	NA	NA	NA					
SAM-2	NA	NA	NA					
SAM-2.5	NA	NA	NA					
IPML-C	NA	NA	NA					
IPML-D	NA	NA	NA					
SAM-3	NA	NA	NA					
IPML-E	NA	NA	NA					
IPML-F	NA	NA	NA					
SAM-4/5	NA	NA	NA					
IPML-G	NA	NA	NA					
IPML-H	NA	NA	NA					

Additional Comments:	Missed 1200 hour PID site walk due to troubleshooting battery issues, checking voltages

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/10/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.0
	Toluene:	9.56
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1332	0.0	N					
IPML-A	1334	0.0	N					
SAM1.5	1336	0.0	N					
IPML-B	1338	0.0	N					
SAM-2	1340	0.0	N					
SAM-2.5	1342	0.0	N					
IPML-C	1344	0.0	N					
IPML-D	1346	0.0	N					
SAM-3	1348	0.0	N					
IPML-E	1350	0.0	N					
IPML-F	1352	0.0	N					
SAM-4/5	1354	0.0	N					
IPML-G	1356	0.0	N					
IPML-H	1358	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/10/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.0
	Toluene:	9.56
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1436	0.0	N					
IPML-A	1438	0.0	N					
SAM1.5	1440	0.0	N					
IPML-B	1442	0.0	N					
SAM-2	1444	0.0	N					
SAM-2.5	1446	0.0	N					
IPML-C	1448	0.0	N					
IPML-D	1450	0.0	N					
SAM-3	1452	0.0	N					
IPML-E	1454	0.0	N					
IPML-F	1456	0.0	N					
SAM-4/5	1458	0.0	N					
IPML-G	1500	0.0	N					
IPML-H	1502	0.0	N					

Additional Comments:	Last PID site walk of the day @ 1436-1502

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/10/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.0
	Toluene:	9.56
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	NA	NA	NA					
IPML-A	NA	NA	NA					
SAM1.5	NA	NA	NA					
IPML-B	NA	NA	NA					
SAM-2	NA	NA	NA					
SAM-2.5	NA	NA	NA					
IPML-C	NA	NA	NA					
IPML-D	NA	NA	NA					
SAM-3	NA	NA	NA					
IPML-E	NA	NA	NA					
IPML-F	NA	NA	NA					
SAM-4/5	NA	NA	NA					
IPML-G	NA	NA	NA					
IPML-H	NA	NA	NA					

Additional Comments:	Missed 1500 hour PID site walk due to troubleshooting battery issues, checking voltages and reinstalling second batteries

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/11/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.1
	Toluene:	9.42
Calibration (ppm)	Pass/Fail/NA:	Pass

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	50
	PID Span (100 ppm Isobutylene)	225
	Drager GC (10 ppm Isobutylene/Toluene)	500

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0731	0.0	N					
IPML-A	0733	0.0	N					
SAM1.5	0737	0.0	N					
IPML-B	0739	0.0	N					
SAM-2	0743	0.0	N					
SAM-2.5	0747	0.0	N					
IPML-C	0749	0.0	N					
IPML-D	0751	0.0	N					
SAM-3	0756	0.0	N					
IPML-E	0758	0.0	N					
IPML-F	0800	0.0	N					
SAM-4/5	0807	0.0	N					
IPML-G	0809	0.0	N					
IPML-H	0811	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/11/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.1
	Toluene:	9.42
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0840	0.0	N					
IPML-A	0842	0.0	N					
SAM1.5	0844	0.0	N					
IPML-B	0846	0.0	N					
SAM-2	0848	0.0	N					
SAM-2.5	0850	0.0	N					
IPML-C	0852	0.0	N					
IPML-D	0854	0.0	N					
SAM-3	0856	0.0	N					
IPML-E	0859	0.0	N					
IPML-F	0901	0.0	N					
SAM-4/5	0903	0.0	N					
IPML-G	0905	0.0	N					
IPML-H	0907	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/11/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.1
	Toluene:	9.42
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0935	0.0	N					
IPML-A	0937	0.0	N					
SAM1.5	0939	0.0	N					
IPML-B	0941	0.0	N					
SAM-2	0943	0.0	N					
SAM-2.5	0945	0.0	N					
IPML-C	0947	0.0	N					
IPML-D	0949	0.0	N					
SAM-3	0951	0.0	N					
IPML-E	0953	0.0	N					
IPML-F	0955	0.0	N					
SAM-4/5	0957	0.0	N					
IPML-G	0959	0.0	N					
IPML-H	1001	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/11/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.1
	Toluene:	9.42
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1039	0.0	N					
IPML-A	1041	0.0	N					
SAM1.5	1043	0.0	N					
IPML-B	1045	0.0	N					
SAM-2	1047	0.0	N					
SAM-2.5	1049	0.0	N					
IPML-C	1051	0.0	N					
IPML-D	1053	0.0	N					
SAM-3	1055	0.0	N					
IPML-E	1057	0.0	N					
IPML-F	1059	0.0	N					
SAM-4/5	1101	0.0	N					
IPML-G	1103	0.0	N					
IPML-H	1105	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/11/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.1
	Toluene:	9.42
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1138	0.0	N					
IPML-A	1140	0.0	N					
SAM1.5	1142	0.0	N					
IPML-B	1144	0.0	N					
SAM-2	1146	0.0	N					
SAM-2.5	1148	0.0	N					
IPML-C	1150	0.0	N					
IPML-D	1152	0.0	N					
SAM-3	1154	0.0	N					
IPML-E	1156	0.0	N					
IPML-F	1158	0.0	N					
SAM-4/5	1200	0.0	N					
IPML-G	1202	0.0	N					
IPML-H	1204	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 01/11/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.1
	Toluene:	9.42
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1240	0.0	N					
IPML-A	1242	0.0	N					
SAM1.5	1244	0.0	N					
IPML-B	1246	0.0	N					
SAM-2	1248	0.0	N					
SAM-2.5	1250	0.0	N					
IPML-C	1252	0.0	N					
IPML-D	1254	0.0	N					
SAM-3	1256	0.0	N					
IPML-E	1258	0.0	N					
IPML-F	1300	0.0	N					
SAM-4/5	1302	0.0	N					
IPML-G	1304	0.0	N					
IPML-H	1306	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 01/11/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.1
	Toluene:	9.42
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1340	0.0	N					
IPML-A	1342	0.0	N					
SAM1.5	1344	0.0	N					
IPML-B	1346	0.0	N					
SAM-2	1348	0.0	N					
SAM-2.5	1350	0.0	N					
IPML-C	1352	0.0	N					
IPML-D	1354	0.0	N					
SAM-3	1356	0.0	N					
IPML-E	1358	0.0	N					
IPML-F	1400	0.0	N					
SAM-4/5	1402	0.0	N					
IPML-G	1404	0.0	N					
IPML-H	1406	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 01/11/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.1
	Toluene:	9.42
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1440	0.0	N					
IPML-A	1442	0.0	N					
SAM1.5	1444	0.0	N					
IPML-B	1446	0.0	N					
SAM-2	1448	0.0	N					
SAM-2.5	1450	0.0	N					
IPML-C	1452	0.0	N					
IPML-D	1454	0.0	N					
SAM-3	1456	0.0	N					
IPML-E	1458	0.0	N					
IPML-F	1500	0.0	N					
SAM-4/5	1502	0.0	N					
IPML-G	1504	0.0	N					
IPML-H	1506	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
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Preliminary

PID & GC Readings

Date: 01/11/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.1
	Toluene:	9.42
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1530	0.0	N					
IPML-A	1532	0.0	N					
SAM1.5	1534	0.0	N					
IPML-B	1536	0.0	N					
SAM-2	1538	0.0	N					
SAM-2.5	1540	0.0	N					
IPML-C	1542	0.0	N					
IPML-D	1544	0.0	N					
SAM-3	1546	0.0	N					
IPML-E	1548	0.0	N					
IPML-F	1550	0.0	N					
SAM-4/5	1553	0.0	N					
IPML-G	1555	0.0	N					
IPML-H	1557	0.0	N					

Additional Comments:	Last PID site walk of the day @ 1530-1557

Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 01/12/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.88
	Toluene:	9.51
Calibration (ppm)	Pass/Fail/NA:	Pass

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	50
	PID Span (100 ppm Isobutylene)	200
	Drager GC (10 ppm Isobutylene/Toluene)	475

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0730	0.0	N					
IPML-A	0736	0.0	N					
SAM1.5	0738	0.0	N					
IPML-B	0742	0.0	N					
SAM-2	0744	0.0	N					
SAM-2.5	0748	0.0	N					
IPML-C	0752	0.0	N					
IPML-D	0754	0.0	N					
SAM-3	0756	0.0	N					
IPML-E	0800	0.0	N					
IPML-F	0802	0.0	N					
SAM-4/5	0804	0.0	N					
IPML-G	0810	0.0	N					
IPML-H	0812	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 01/12/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.88
	Toluene:	9.51
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0837	0.0	N					
IPML-A	0839	0.0	N					
SAM1.5	0841	0.0	N					
IPML-B	0843	0.0	N					
SAM-2	0845	0.0	N					
SAM-2.5	0847	0.0	N					
IPML-C	0849	0.0	N					
IPML-D	0851	0.0	N					
SAM-3	0853	0.0	N					
IPML-E	0855	0.0	N					
IPML-F	0857	0.0	N					
SAM-4/5	0859	0.0	N					
IPML-G	0901	0.0	N					
IPML-H	0903	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 01/12/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.88
	Toluene:	9.51
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0940	0.0	N					
IPML-A	0942	0.0	N					
SAM1.5	0944	0.0	N					
IPML-B	0946	0.0	N					
SAM-2	0948	0.0	N					
SAM-2.5	0950	0.0	N					
IPML-C	0952	0.0	N					
IPML-D	0954	0.0	N					
SAM-3	0956	0.0	N					
IPML-E	0958	0.0	N					
IPML-F	1000	0.0	N					
SAM-4/5	1002	0.0	N					
IPML-G	1004	0.0	N					
IPML-H	1006	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 01/12/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.88
	Toluene:	9.51
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1040	0.0	N					
IPML-A	1042	0.0	N					
SAM1.5	1044	0.0	N					
IPML-B	1046	0.0	N					
SAM-2	1048	0.0	N					
SAM-2.5	1050	0.0	N					
IPML-C	1052	0.0	N					
IPML-D	1054	0.0	N					
SAM-3	1056	0.0	N					
IPML-E	1058	0.0	N					
IPML-F	1100	0.0	N					
SAM-4/5	1102	0.0	N					
IPML-G	1104	0.0	N					
IPML-H	1106	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 01/12/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.88
	Toluene:	9.51
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1140	0.0	N					
IPML-A	1142	0.0	N					
SAM1.5	1144	0.0	N					
IPML-B	1146	0.0	N					
SAM-2	1148	0.0	N					
SAM-2.5	1150	0.0	N					
IPML-C	1152	0.0	N					
IPML-D	1154	0.0	N					
SAM-3	1156	0.0	N					
IPML-E	1158	0.0	N					
IPML-F	1200	0.0	N					
SAM-4/5	1202	0.0	N					
IPML-G	1204	0.0	N					
IPML-H	1206	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/12/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.88
	Toluene:	9.51
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1240	0.0	N					
IPML-A	1242	0.0	N					
SAM1.5	1244	0.0	N					
IPML-B	1246	0.0	N					
SAM-2	1248	0.0	N					
SAM-2.5	1250	0.0	N					
IPML-C	1252	0.0	N					
IPML-D	1254	0.0	N					
SAM-3	1256	0.0	N					
IPML-E	1258	0.0	N					
IPML-F	1300	0.0	N					
SAM-4/5	1302	0.0	N					
IPML-G	1304	0.0	N					
IPML-H	1306	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/12/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.88
	Toluene:	9.51
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1340	0.0	N					
IPML-A	1342	0.0	N					
SAM1.5	1344	0.0	N					
IPML-B	1346	0.0	N					
SAM-2	1348	0.0	N					
SAM-2.5	1350	0.0	N					
IPML-C	1352	0.0	N					
IPML-D	1354	0.0	N					
SAM-3	1356	0.0	N					
IPML-E	1358	0.0	N					
IPML-F	1400	0.0	N					
SAM-4/5	1402	0.0	N					
IPML-G	1404	0.0	N					
IPML-H	1406	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 01/12/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.88
	Toluene:	9.51
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1408	0.0	N					
IPML-A	1410	0.0	N					
SAM1.5	1412	0.0	N					
IPML-B	1414	0.0	N					
SAM-2	1416	0.0	N					
SAM-2.5	1418	0.0	N					
IPML-C	1420	0.0	N					
IPML-D	1422	0.0	N					
SAM-3	1424	0.0	N					
IPML-E	1426	0.0	N					
IPML-F	1428	0.0	N					
SAM-4/5	1430	0.0	N					
IPML-G	1432	0.0	N					
IPML-H	1434	0.0	N					

Additional Comments:	Last PID site walk of the day @ 1408-1434

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
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Preliminary

PID & GC Readings

Date: 1/16/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.5
	Toluene:	9.96
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0817	0.0	N					
IPML-A	0822	0.0	N					
SAM1.5	0823	0.0	N					
IPML-B	0827	0.0	N					
SAM-2	0829	0.0	N					
SAM-2.5	0832	0.0	N					
IPML-C	0836	0.0	N					
IPML-D	0838	0.0	N					
SAM-3	0840	0.0	N					
IPML-E	0843	0.0	N					
IPML-F	0845	0.0	N					
SAM-4/5	0847	0.0	N					
IPML-G	0853	0.0	N					
IPML-H	0855	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/16/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.5
	Toluene:	9.96
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0913	0.0	N					
IPML-A	0915	0.0	N					
SAM1.5	0917	0.0	N					
IPML-B	0919	0.0	N					
SAM-2	0921	0.0	N					
SAM-2.5	0923	0.0	N					
IPML-C	0925	0.0	N					
IPML-D	0927	0.0	N					
SAM-3	0929	0.0	N					
IPML-E	0931	0.0	N					
IPML-F	0933	0.0	N					
SAM-4/5	0935	0.0	N					
IPML-G	0937	0.0	N					
IPML-H	0939	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 1/16/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.5
	Toluene:	9.96
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1021	0.0	N					
IPML-A	1023	0.0	N					
SAM1.5	1025	0.0	N					
IPML-B	1027	0.0	N					
SAM-2	1029	0.0	N					
SAM-2.5	1031	0.0	N					
IPML-C	1033	0.0	N					
IPML-D	1035	0.0	N					
SAM-3	1037	0.0	N					
IPML-E	1039	0.0	N					
IPML-F	1041	0.0	N					
SAM-4/5	1043	0.0	N					
IPML-G	1045	0.0	N					
IPML-H	1047	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/16/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.5
	Toluene:	9.96
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1150	0.0	N					
IPML-A	1152	0.0	N					
SAM1.5	1154	0.0	N					
IPML-B	1156	0.0	N					
SAM-2	1158	0.0	N					
SAM-2.5	1200	0.0	N					
IPML-C	1202	0.0	N					
IPML-D	1204	0.0	N					
SAM-3	1206	0.0	N					
IPML-E	1208	0.0	N					
IPML-F	1210	0.0	N					
SAM-4/5	1212	0.0	N					
IPML-G	1214	0.0	N					
IPML-H	1216	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/16/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.5
	Toluene:	9.96
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1315	0.0	N					
IPML-A	1317	0.0	N					
SAM1.5	1319	0.0	N					
IPML-B	1321	0.0	N					
SAM-2	1323	0.0	N					
SAM-2.5	1325	0.0	N					
IPML-C	1327	0.0	N					
IPML-D	1329	0.0	N					
SAM-3	1331	0.0	N					
IPML-E	1333	0.0	N					
IPML-F	1335	0.0	N					
SAM-4/5	1337	0.0	N					
IPML-G	1339	0.0	N					
IPML-H	1341	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 1/16/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.5
	Toluene:	9.96
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1415	0.0	N					
IPML-A	1417	0.0	N					
SAM1.5	1419	0.0	N					
IPML-B	1421	0.0	N					
SAM-2	1423	0.0	N					
SAM-2.5	1425	0.0	N					
IPML-C	1427	0.0	N					
IPML-D	1429	0.0	N					
SAM-3	1431	0.0	N					
IPML-E	1433	0.0	N					
IPML-F	1435	0.0	N					
SAM-4/5	1437	0.0	N					
IPML-G	1439	0.0	N					
IPML-H	1441	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 1/16/2024	Technician Name: Marshall Arendell & Jason Maska	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.5
	Toluene:	9.96
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1524	0.0	N					
IPML-A	1526	0.0	N					
SAM1.5	1527	0.0	N					
IPML-B	1529	0.0	N					
SAM-2	1530	0.0	N					
SAM-2.5	1531	0.0	N					
IPML-C	1532	0.0	N					
IPML-D	1534	0.0	N					
SAM-3	1535	0.0	N					
IPML-E	1537	0.0	N					
IPML-F	1538	0.0	N					
SAM-4/5	1540	0.0	N					
IPML-G	1542	0.0	N					
IPML-H	1543	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 1/16/2024	Technician Name: Marshall Arendell & Jason Maska	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.5
	Toluene:	9.96
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1605	0.0	N					
IPML-A	1608	0.0	N					
SAM1.5	1610	0.0	N					
IPML-B	1611	0.0	N					
SAM-2	1612	0.0	N					
SAM-2.5	1613	0.0	N					
IPML-C	1615	0.0	N					
IPML-D	1647	0.0	N					
SAM-3	1619	0.0	N					
IPML-E	1620	0.0	N					
IPML-F	1621	0.0	N					
SAM-4/5	1623	0.0	N					
IPML-G	1625	0.0	N					
IPML-H	1626	0.0	N					

Additional Comments:	End of day.

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 1/17/2024	Technician Name: Marshall Arendell & Jason Maska	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	99.9

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.10
	Toluene:	9.37
Calibration (ppm)	Pass/Fail/NA:	NA

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	50
	PID Span (100 ppm Isobutylene)	200
	Drager GC (10 ppm Isobutylene/Toluene)	350

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0734	0.0	N					
IPML-A	0735	0.0	N					
SAM1.5	0738	0.0	N					
IPML-B	0740	0.0	N					
SAM-2	0741	0.0	N					
SAM-2.5	0743	0.0	N					
IPML-C	0747	0.0	N					
IPML-D	0748	0.0	N					
SAM-3	0750	0.0	N					
IPML-E	0754	0.0	N					
IPML-F	0756	0.0	N					
SAM-4/5	0801	0.0	N					
IPML-G	0805	0.0	N					
IPML-H	0806	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 1/17/2024	Technician Name: Marshall Arendell & Jason Maska	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	99.9

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.10
	Toluene:	9.37
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0845	0.0	N					
IPML-A	0847	0.0	N					
SAM1.5	0849	0.0	N					
IPML-B	0851	0.0	N					
SAM-2	0853	0.0	N					
SAM-2.5	0855	0.0	N					
IPML-C	0857	0.0	N					
IPML-D	0859	0.0	N					
SAM-3	0901	0.0	N					
IPML-E	0903	0.0	N					
IPML-F	0905	0.0	N					
SAM-4/5	0907	0.0	N					
IPML-G	0909	0.0	N					
IPML-H	0911	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 1/17/2024	Technician Name: Marshall Arendell & Jason Maska	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	99.9

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.10
	Toluene:	9.37
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0950	0.0	N					
IPML-A	0952	0.0	N					
SAM1.5	0954	0.0	N					
IPML-B	0956	0.0	N					
SAM-2	0958	0.0	N					
SAM-2.5	1000	0.0	N					
IPML-C	1002	0.0	N					
IPML-D	1004	0.0	N					
SAM-3	1006	0.0	N					
IPML-E	1008	0.0	N					
IPML-F	1010	0.0	N					
SAM-4/5	1012	0.0	N					
IPML-G	1014	0.0	N					
IPML-H	1016	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/17/2024	Technician Name: Marshall Arendell & Jason Maska	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	99.9

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.10
	Toluene:	9.37
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1018	0.0	N					
IPML-A	1020	0.0	N					
SAM1.5	1022	0.0	N					
IPML-B	1024	0.0	N					
SAM-2	1026	0.0	N					
SAM-2.5	1028	0.0	N					
IPML-C	1030	0.0	N					
IPML-D	1032	0.0	N					
SAM-3	1034	0.0	N					
IPML-E	1036	0.0	N					
IPML-F	1038	0.0	N					
SAM-4/5	1040	0.0	N					
IPML-G	1042	0.0	N					
IPML-H	1044	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/17/2024	Technician Name: Marshall Arendell & Jason Maska	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	99.9

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.10
	Toluene:	9.37
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1131	0.0	N					
IPML-A	1133	0.0	N					
SAM1.5	1135	0.0	N					
IPML-B	1137	0.0	N					
SAM-2	1139	0.0	N					
SAM-2.5	1141	0.0	N					
IPML-C	1143	0.0	N					
IPML-D	1145	0.0	N					
SAM-3	1147	0.0	N					
IPML-E	1149	0.0	N					
IPML-F	1151	0.0	N					
SAM-4/5	1153	0.0	N					
IPML-G	1155	0.0	N					
IPML-H	1157	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/17/2024	Technician Name: Marshall Arendell & Jason Maska	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	99.9

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.10
	Toluene:	9.37
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1228	0.0	N					
IPML-A	1230	0.0	N					
SAM1.5	1232	0.0	N					
IPML-B	1234	0.0	N					
SAM-2	1236	0.0	N					
SAM-2.5	1238	0.0	N					
IPML-C	1240	0.0	N					
IPML-D	1242	0.0	N					
SAM-3	1244	0.0	N					
IPML-E	1246	0.0	N					
IPML-F	1248	0.0	N					
SAM-4/5	1250	0.0	N					
IPML-G	1252	0.0	N					
IPML-H	1254	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/17/2024	Technician Name: Marshall Arendell & Jason Maska	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	99.9

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.10
	Toluene:	9.37
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1301	0.0	N					
IPML-A	1303	0.0	N					
SAM1.5	1305	0.0	N					
IPML-B	1307	0.0	N					
SAM-2	1309	0.0	N					
SAM-2.5	1311	0.0	N					
IPML-C	1313	0.0	N					
IPML-D	1315	0.0	N					
SAM-3	1317	0.0	N					
IPML-E	1319	0.0	N					
IPML-F	1321	0.0	N					
SAM-4/5	1323	0.0	N					
IPML-G	1325	0.0	N					
IPML-H	1327	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/17/2024	Technician Name: Marshall Arendell & Jason Maska	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	99.9

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.10
	Toluene:	9.37
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1414	0.0	N					
IPML-A	1416	0.0	N					
SAM1.5	1418	0.0	N					
IPML-B	1420	0.0	N					
SAM-2	1422	0.0	N					
SAM-2.5	1424	0.0	N					
IPML-C	1426	0.0	N					
IPML-D	1428	0.0	N					
SAM-3	1430	0.0	N					
IPML-E	1432	0.0	N					
IPML-F	1434	0.0	N					
SAM-4/5	1436	0.0	N					
IPML-G	1438	0.0	N					
IPML-H	1440	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 1/17/2024	Technician Name: Marshall Arendell & Jason Maska	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	99.9

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.10
	Toluene:	9.37
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1537	0.0	N					
IPML-A	1539	0.0	Y	SLIGHT HYDRO-CARBON LIKE ODOR				
SAM1.5	1541	0.0	N					
IPML-B	1543	0.0	N					
SAM-2	1545	0.0	N					
SAM-2.5	1547	0.0	N					
IPML-C	1549	0.0	N					
IPML-D	1551	0.0	Y	SLIGHT HYDRO-CARBON LIKE ODOR				
SAM-3	1553	0.0	N					
IPML-E	1555	0.0	N					
IPML-F	1557	0.0	N					
SAM-4/5	1559	0.0	N					
IPML-G	1601	0.0	N					
IPML-H	1603	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 1/17/2024	Technician Name: Marshall Arendell & Jason Maska	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	99.9

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.10
	Toluene:	9.37
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1613	0.0	N					
IPML-A	1615	0.0	Y	SLIGHT HYDRO-CARBON LIKE ODOR				
SAM1.5	1617	0.0	N					
IPML-B	1619	0.0	N					
SAM-2	1621	0.0	N					
SAM-2.5	1623	0.0	N					
IPML-C	1625	0.0	N					
IPML-D	1627	0.0	N					
SAM-3	1629	0.0	N					
IPML-E	1631	0.0	N					
IPML-F	1633	0.0	N					
SAM-4/5	1635	0.0	N					
IPML-G	1637	0.0	N					
IPML-H	1639	0.0	N					

Additional Comments:	End of day at 1700.

Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 1/18/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.94
	Toluene:	10.1
Calibration (ppm)	Pass/Fail/NA:	NA
Note: Calibration is only performed on the Drager GC if functionality test fails.		
Comments:		

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	40
	PID Span (100 ppm Isobutylene)	200
	Drager GC (10 ppm Isobutylene/Toluene)	350

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0738	0.0	N					
IPML-A	0740	0.0	Y	SLIGHT HYDRO-CARBON LIKE ODOR				
SAM1.5	0742	0.0	N					
IPML-B	0744	0.0	N					
SAM-2	0746	0.0	N					
SAM-2.5	0748	0.0	N					
IPML-C	0750	0.0	N					
IPML-D	0752	0.0	N					
SAM-3	0754	0.0	N					
IPML-E	0756	0.0	N					
IPML-F	0758	0.0	N					
SAM-4/5	0800	0.0	N					
IPML-G	0802	0.0	N					
IPML-H	0804	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 1/18/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.94
	Toluene:	10.1
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0816	0.0	N					
IPML-A	0818	0.0	N					
SAM1.5	0820	0.0	N					
IPML-B	0822	0.0	N					
SAM-2	0824	0.0	N					
SAM-2.5	0826	0.0	N					
IPML-C	0828	0.0	N					
IPML-D	0830	0.0	N					
SAM-3	0832	0.0	N					
IPML-E	0834	0.0	N					
IPML-F	0836	0.0	N					
SAM-4/5	0838	0.0	N					
IPML-G	0840	0.0	N					
IPML-H	0842	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 1/18/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.94
	Toluene:	10.1
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0909	0.0	N					
IPML-A	0911	0.0	N					
SAM1.5	0913	0.0	N					
IPML-B	0915	0.0	N					
SAM-2	0917	0.0	N					
SAM-2.5	0919	0.0	N					
IPML-C	0921	0.0	N					
IPML-D	0923	0.0	N					
SAM-3	0925	0.0	N					
IPML-E	0927	0.0	N					
IPML-F	0929	0.0	N					
SAM-4/5	0931	0.0	N					
IPML-G	0933	0.0	N					
IPML-H	0935	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/18/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.94
	Toluene:	10.1
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1124	0.0	N					
IPML-A	1126	0.0	Y	SLIGHT HYDRO-CARBON LIKE ODOR				
SAM1.5	1128	0.0	N					
IPML-B	1130	0.0	N					
SAM-2	1132	0.0	Y	SLIGHT HYDRO-CARBON LIKE ODOR				
SAM-2.5	1134	0.0	Y	SLIGHT HYDRO-CARBON LIKE ODOR				
IPML-C	1136	0.0	N					
IPML-D	1138	0.0	N					
SAM-3	1140	0.0	N					
IPML-E	1142	0.0	N					
IPML-F	1144	0.0	N					
SAM-4/5	1146	0.0	N					
IPML-G	1148	0.0	N					
IPML-H	1150	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/18/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.94
	Toluene:	10.1
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1224	0.0	N					
IPML-A	1226	0.0	N					
SAM1.5	1228	0.0	Y	SLIGHT HYDRO-CARBON LIKE ODOR				
IPML-B	1230	0.0	Y	SLIGHT HYDRO-CARBON LIKE ODOR				
SAM-2	1232	0.0	Y	SLIGHT HYDRO-CARBON LIKE ODOR				
SAM-2.5	1234	0.0	Y	SLIGHT HYDRO-CARBON LIKE ODOR				
IPML-C	1236	0.0	N					
IPML-D	1238	0.0	Y	SLIGHT HYDRO-CARBON LIKE ODOR				
SAM-3	1240	0.0	N					
IPML-E	1242	0.0	Y	SLIGHT VINEGAR LIKE ODOR				
IPML-F	1244	0.0	Y	SLIGHT VINEGAR LIKE ODOR				
SAM-4/5	1246	0.0	N					
IPML-G	1248	0.0	N					
IPML-H	1250	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/18/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.94
	Toluene:	10.1
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1320	0.0	N					
IPML-A	1322	0.0	N					
SAM1.5	1324	0.0	N					
IPML-B	1326	0.0	N					
SAM-2	1328	0.0	N					
SAM-2.5	1330	0.0	N					
IPML-C	1332	0.0	N					
IPML-D	1334	0.0	N					
SAM-3	1336	0.0	Y	SLIGHT HYDRO-CARBON LIKE ODOR				
IPML-E	1338	0.0	N					
IPML-F	1340	0.0	N					
SAM-4/5	1342	0.0	N					
IPML-G	1344	0.0	N					
IPML-H	1346	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/18/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.94
	Toluene:	10.1
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1420	0.0	N					
IPML-A	1422	0.0	N					
SAM1.5	1424	0.0	N					
IPML-B	1426	0.0	N					
SAM-2	1428	0.0	N					
SAM-2.5	1430	0.0	N					
IPML-C	1432	0.0	Y	SLIGHT HYDRO-CARBON LIKE ODOR				
IPML-D	1434	0.0	Y	SLIGHT HYDRO-CARBON LIKE ODOR				
SAM-3	1436	0.0	N					
IPML-E	1438	0.0	N					
IPML-F	1440	0.0	N					
SAM-4/5	1442	0.0	N					
IPML-G	1444	0.0	N					
IPML-H	1446	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/18/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.94
	Toluene:	10.1
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1510	0.0	N					
IPML-A	1512	0.0	N					
SAM1.5	1514	0.0	N					
IPML-B	1516	0.0	N					
SAM-2	1518	0.0	N					
SAM-2.5	1520	0.0	N					
IPML-C	1522	0.0	N					
IPML-D	1524	0.0	Y	SLIGHT HYDRO-CARBON LIKE ODOR				
SAM-3	1526	0.0	N					
IPML-E	1528	0.0	N					
IPML-F	1530	0.0	N					
SAM-4/5	1532	0.0	N					
IPML-G	1534	0.0	N					
IPML-H	1536	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/18/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.94
	Toluene:	10.1
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1617	0.0	N					
IPML-A	1619	0.0	N					
SAM1.5	1621	0.0	N					
IPML-B	1623	0.0	N					
SAM-2	1625	0.0	N					
SAM-2.5	1627	0.0	N					
IPML-C	1629	0.0	N					
IPML-D	1631	0.0	N					
SAM-3	1633	0.0	N					
IPML-E	1635	0.0	N					
IPML-F	1637	0.0	N					
SAM-4/5	1639	0.0	N					
IPML-G	1641	0.0	N					
IPML-H	1643	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/19/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	99.9

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.89
	Toluene:	9.69
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0811	0.0	N					
IPML-A	0813	0.0	N					
SAM1.5	0815	0.0	N					
IPML-B	0817	0.0	N					
SAM-2	0819	0.0	N					
SAM-2.5	0821	0.0	N					
IPML-C	0823	0.0	N					
IPML-D	0825	0.0	N					
SAM-3	0827	0.0	N					
IPML-E	0829	0.0	N					
IPML-F	0831	0.0	N					
SAM-4/5	0833	0.0	N					
IPML-G	0835	0.0	N					
IPML-H	0837	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/19/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	99.9

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.89
	Toluene:	9.69
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0916	0.0	N					
IPML-A	0918	0.0	N					
SAM1.5	0920	0.0	N					
IPML-B	0922	0.0	N					
SAM-2	0924	0.0	N					
SAM-2.5	0926	0.0	N					
IPML-C	0928	0.0	N					
IPML-D	0930	0.0	N					
SAM-3	0932	0.0	N					
IPML-E	0934	0.0	N					
IPML-F	0936	0.0	N					
SAM-4/5	0938	0.0	N					
IPML-G	0940	0.0	N					
IPML-H	0942	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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PID & GC Readings

Date: 1/19/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	99.9

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.89
	Toluene:	9.69
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1019	0.0	N					
IPML-A	1021	0.0	N					
SAM1.5	1023	0.0	N					
IPML-B	1025	0.0	N					
SAM-2	1027	0.0	N					
SAM-2.5	1029	0.0	N					
IPML-C	1031	0.0	N					
IPML-D	1033	0.0	N					
SAM-3	1035	0.0	N					
IPML-E	1037	0.0	N					
IPML-F	1039	0.0	N					
SAM-4/5	1041	0.0	N					
IPML-G	1043	0.0	N					
IPML-H	1045	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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PID & GC Readings

Date: 1/19/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	99.9

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.89
	Toluene:	9.69
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1114	0.0	N					
IPML-A	1116	0.0	N					
SAM1.5	1118	0.0	N					
IPML-B	1120	0.0	N					
SAM-2	1122	0.0	N					
SAM-2.5	1124	0.0	N					
IPML-C	1126	0.0	N					
IPML-D	1128	0.0	N					
SAM-3	1130	0.0	N					
IPML-E	1132	0.0	N					
IPML-F	1134	0.0	N					
SAM-4/5	1136	0.0	N					
IPML-G	1138	0.0	N					
IPML-H	1140	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 1/19/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	99.9

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.89
	Toluene:	9.69
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1208	0.0	N					
IPML-A	1210	0.0	N					
SAM1.5	1212	0.0	N					
IPML-B	1214	0.0	N					
SAM-2	1216	0.0	N					
SAM-2.5	1218	0.0	N					
IPML-C	1220	0.0	N					
IPML-D	1222	0.0	N					
SAM-3	1224	0.0	N					
IPML-E	1226	0.0	N					
IPML-F	1228	0.0	N					
SAM-4/5	1230	0.0	N					
IPML-G	1232	0.0	N					
IPML-H	1234	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/19/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	99.9

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.89
	Toluene:	9.69
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1301	0.0	N					
IPML-A	1303	0.0	N					
SAM1.5	1305	0.0	N					
IPML-B	1307	0.0	N					
SAM-2	1309	0.0	N					
SAM-2.5	1311	0.0	N					
IPML-C	1313	0.0	N					
IPML-D	1315	0.0	N					
SAM-3	1317	0.0	N					
IPML-E	1319	0.0	N					
IPML-F	1321	0.0	N					
SAM-4/5	1323	0.0	N					
IPML-G	1325	0.0	N					
IPML-H	1327	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/19/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	99.9

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.89
	Toluene:	9.69
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1405	0.0	N					
IPML-A	1407	0.0	N					
SAM1.5	1409	0.0	N					
IPML-B	1411	0.0	N					
SAM-2	1413	0.0	N					
SAM-2.5	1415	0.0	N					
IPML-C	1417	0.0	N					
IPML-D	1419	0.0	N					
SAM-3	1421	0.0	N					
IPML-E	1423	0.0	N					
IPML-F	1425	0.0	N					
SAM-4/5	1427	0.0	N					
IPML-G	1429	0.0	N					
IPML-H	1431	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/19/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	99.9

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.89
	Toluene:	9.69
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1513	0.0	N					
IPML-A	1515	0.0	N					
SAM1.5	1517	0.0	N					
IPML-B	1519	0.0	N					
SAM-2	1521	0.0	Y	SLIGHT HYDRO-CARBON LIKE ODOR				
SAM-2.5	1523	0.0	N					
IPML-C	1525	0.0	N					
IPML-D	1527	0.0	N					
SAM-3	1529	0.0	N					
IPML-E	1531	0.0	N					
IPML-F	1533	0.0	N					
SAM-4/5	1535	0.0	N					
IPML-G	1537	0.0	N					
IPML-H	1539	0.0	N					

Additional Comments:	End of day @ 1600. No more readings taken today.

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/20/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.91
	Toluene:	10.23
Calibration (ppm)	Pass/Fail/NA:	NA

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	40
	PID Span (100 ppm Isobutylene)	190
	Drager GC (10 ppm Isobutylene/Toluene)	350

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0740	0.0	N					
IPML-A	0742	0.0	N					
SAM1.5	0744	0.0	N					
IPML-B	0746	0.0	N					
SAM-2	0748	0.0	N					
SAM-2.5	0750	0.0	N					
IPML-C	0752	0.0	N					
IPML-D	0754	0.0	N					
SAM-3	0756	0.0	N					
IPML-E	0758	0.0	N					
IPML-F	0800	0.0	N					
SAM-4/5	0802	0.0	N					
IPML-G	0804	0.0	N					
IPML-H	0806	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/20/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.91
	Toluene:	10.23
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0830	0.0	N					
IPML-A	0832	0.0	N					
SAM1.5	0834	0.0	N					
IPML-B	0836	0.0	N					
SAM-2	0838	0.0	N					
SAM-2.5	0840	0.0	Y	SLIGHT HYDRO-CARBON LIKE ODOR				
IPML-C	0842	0.0	N					
IPML-D	0844	0.0	N					
SAM-3	0846	0.0	N					
IPML-E	0848	0.0	N					
IPML-F	0850	0.0	N					
SAM-4/5	0852	0.0	N					
IPML-G	0854	0.0	N					
IPML-H	0856	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/20/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.91
	Toluene:	10.23
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0917	0.0	N					
IPML-A	0919	0.0	N					
SAM1.5	0921	0.0	N					
IPML-B	0923	0.0	N					
SAM-2	0925	0.0	Y	SLIGHT HYDRO-CARBON LIKE ODOR				
SAM-2.5	0927	0.0	Y	SLIGHT HYDRO-CARBON LIKE ODOR				
IPML-C	0929	0.0	N					
IPML-D	0931	0.0	N					
SAM-3	0933	0.0	N					
IPML-E	0935	0.0	N					
IPML-F	0937	0.0	N					
SAM-4/5	0939	0.0	N					
IPML-G	0941	0.0	N					
IPML-H	0943	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/20/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.91
	Toluene:	10.23
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1012	0.0	N					
IPML-A	1014	0.0	N					
SAM1.5	1016	0.0	N					
IPML-B	1018	0.0	N					
SAM-2	1020	0.0	N					
SAM-2.5	1022	0.0	N					
IPML-C	1024	0.0	Y	SLIGHT HYDRO-CARBON LIKE ODOR				
IPML-D	1026	0.0	N					
SAM-3	1028	0.0	N					
IPML-E	1030	0.0	N					
IPML-F	1032	0.0	N					
SAM-4/5	1034	0.0	N					
IPML-G	1036	0.0	N					
IPML-H	1038	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/20/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.91
	Toluene:	10.23
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1118	0.0	N					
IPML-A	1120	0.0	N					
SAM1.5	1122	0.0	N					
IPML-B	1124	0.0	N					
SAM-2	1126	0.0	N					
SAM-2.5	1128	0.0	N					
IPML-C	1130	0.0	N					
IPML-D	1132	0.0	N					
SAM-3	1134	0.0	N					
IPML-E	1136	0.0	N					
IPML-F	1138	0.0	N					
SAM-4/5	1140	0.0	N					
IPML-G	1142	0.0	N					
IPML-H	1144	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/20/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.91
	Toluene:	10.23
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1229	0.0	N					
IPML-A	1231	0.0	N					
SAM1.5	1233	0.0	N					
IPML-B	1235	0.0	N					
SAM-2	1237	0.0	Y	SLIGHT HYDRO-CARBON LIKE ODOR				
SAM-2.5	1239	0.0	Y	SLIGHT HYDRO-CARBON LIKE ODOR				
IPML-C	1241	0.0	N					
IPML-D	1243	0.0	N					
SAM-3	1245	0.0	N					
IPML-E	1247	0.0	N					
IPML-F	1249	0.0	N					
SAM-4/5	1251	0.0	N					
IPML-G	1253	0.0	N					
IPML-H	1255	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/20/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.91
	Toluene:	10.23
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1331	0.0	N					
IPML-A	1333	0.0	N					
SAM1.5	1335	0.0	N					
IPML-B	1337	0.0	N					
SAM-2	1339	0.0	Y	SLIGHT HYDRO-CARBON LIKE ODOR				
SAM-2.5	1341	0.0	N					
IPML-C	1343	0.0	N					
IPML-D	1345	0.0	N					
SAM-3	1347	0.0	N					
IPML-E	1349	0.0	N					
IPML-F	1351	0.0	N					
SAM-4/5	1353	0.0	N					
IPML-G	1355	0.0	N					
IPML-H	1357	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 1/20/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.91
	Toluene:	10.23
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1423	0.0	N					
IPML-A	1425	0.0	N					
SAM1.5	1427	0.0	N					
IPML-B	1429	0.0	N					
SAM-2	1431	0.0	Y	SLIGHT HYDRO-CARBON LIKE ODOR				
SAM-2.5	1433	0.0	Y	SLIGHT HYDRO-CARBON LIKE ODOR				
IPML-C	1435	0.0	N					
IPML-D	1437	0.0	N					
SAM-3	1439	0.0	N					
IPML-E	1441	0.0	N					
IPML-F	1443	0.0	N					
SAM-4/5	1445	0.0	N					
IPML-G	1447	0.0	N					
IPML-H	1449	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 1/20/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.91
	Toluene:	10.23
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1510	0.0	N					
IPML-A	1512	0.0	N					
SAM1.5	1514	0.0	N					
IPML-B	1516	0.0	N					
SAM-2	1518	0.0	Y	SLIGHT HYDRO-CARBON LIKE ODOR				
SAM-2.5	1520	0.0	Y	SLIGHT HYDRO-CARBON LIKE ODOR				
IPML-C	1522	0.0	N					
IPML-D	1524	0.0	N					
SAM-3	1526	0.0	N					
IPML-E	1528	0.0	N					
IPML-F	1530	0.0	N					
SAM-4/5	1532	0.0	N					
IPML-G	1534	0.0	N					
IPML-H	1536	0.0	N					

Additional Comments:	End of day @ 1600. No more readings taken today.

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 1/23/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.4
	Toluene:	10.3
Calibration (ppm)	Pass/Fail/NA:	NA

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	10
	PID Span (100 ppm Isobutylene)	200
	Drager GC (10 ppm Isobutylene/Toluene)	250

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0739	0.1	N					
IPML-A	0741	0.0	N					
SAM1.5	0743	0.0	N					
IPML-B	0745	0.0	N					
SAM-2	0747	0.0	N					
SAM-2.5	0749	0.0	N					
IPML-C	0751	0.0	N					
IPML-D	0753	0.0	N					
SAM-3	0755	0.0	N					
IPML-E	0757	0.0	N					
IPML-F	0759	0.0	N					
SAM-4/5	0801	0.1	N					
IPML-G	0803	0.0	N					
IPML-H	0805	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 1/23/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.4
	Toluene:	10.3
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0825	0.0	N					
IPML-A	0827	0.0	N					
SAM1.5	0829	0.1	N					
IPML-B	0831	0.0	N					
SAM-2	0833	0.1	Y	SLIGHT HYDRO-CARBON LIKE ODOR				
SAM-2.5	0835	0.1	Y	SLIGHT HYDRO-CARBON LIKE ODOR				
IPML-C	0837	0.3	Y	SLIGHT HYDRO-CARBON LIKE ODOR				
IPML-D	0839	0.0	N					
SAM-3	0841	0.0	N					
IPML-E	0843	0.0	N					
IPML-F	0845	0.0	N					
SAM-4/5	0847	0.0	N					
IPML-G	0849	0.0	N					
IPML-H	0851	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/23/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.4
	Toluene:	10.3
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0917	0.0	N					
IPML-A	0919	0.0	N					
SAM1.5	0921	0.0	N					
IPML-B	0923	0.0	N					
SAM-2	0925	0.0	N					
SAM-2.5	0927	0.0	N					
IPML-C	0929	0.0	N					
IPML-D	0931	0.0	N					
SAM-3	0933	0.0	N					
IPML-E	0935	0.0	N					
IPML-F	0937	0.0	N					
SAM-4/5	0939	0.0	N					
IPML-G	0941	0.0	N					
IPML-H	0943	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/23/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.4
	Toluene:	10.3
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1015	0.0	N					
IPML-A	1038	0.0	N					
SAM1.5	1040	0.0	N					
IPML-B	1052	0.0	N					
SAM-2	1054	0.0	N					
SAM-2.5	1058	0.0	Y	SLIGHT HYDRO-CARBON LIKE ODOR				
IPML-C	1131	0.0	N					
IPML-D	1135	0.0	N					
SAM-3	1137	0.0	N					
IPML-E	1146	0.0	N					
IPML-F	1148	0.0	N					
SAM-4/5	1150	0.0	N					
IPML-G	1201	0.0	N					
IPML-H	1203	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/23/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.4
	Toluene:	10.3
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1223	0.0	N					
IPML-A	1225	0.0	N					
SAM1.5	1227	0.0	N					
IPML-B	1229	0.0	N					
SAM-2	1231	0.0	Y	SLIGHT HYDRO-CARBON LIKE ODOR				
SAM-2.5	1233	0.0	Y	SLIGHT HYDRO-CARBON LIKE ODOR				
IPML-C	1235	0.0	Y	SLIGHT HYDRO-CARBON LIKE ODOR				
IPML-D	1237	0.0	N					
SAM-3	1239	0.0	N					
IPML-E	1241	0.0	N					
IPML-F	1243	0.0	N					
SAM-4/5	1245	0.0	N					
IPML-G	1247	0.0	N					
IPML-H	1249	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 1/23/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.4
	Toluene:	10.3
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1309	0.0	N					
IPML-A	1311	0.0	N					
SAM1.5	1313	0.0	N					
IPML-B	1315	0.0	N					
SAM-2	1317	0.0	N					
SAM-2.5	1319	0.0	N					
IPML-C	1321	0.0	N					
IPML-D	1323	0.0	N					
SAM-3	1325	0.0	N					
IPML-E	1327	0.0	N					
IPML-F	1329	0.0	N					
SAM-4/5	1331	0.0	N					
IPML-G	1333	0.0	N					
IPML-H	1335	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 1/23/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.4
	Toluene:	10.3
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1439	0.0	N					
IPML-A	1441	0.0	N					
SAM1.5	1443	0.0	N					
IPML-B	1445	0.0	N					
SAM-2	1447	0.0	N					
SAM-2.5	1449	0.0	N					
IPML-C	1451	0.0	N					
IPML-D	1453	0.0	N					
SAM-3	1455	0.0	N					
IPML-E	1457	0.0	N					
IPML-F	1459	0.0	N					
SAM-4/5	1501	0.0	N					
IPML-G	1503	0.0	N					
IPML-H	1505	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 1/23/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	10.4
	Toluene:	10.3
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1507	0.0	N					
IPML-A	1509	0.0	N					
SAM1.5	1511	0.0	N					
IPML-B	1513	0.0	N					
SAM-2	1515	0.0	N					
SAM-2.5	1517	0.0	N					
IPML-C	1519	0.0	N					
IPML-D	1521	0.0	N					
SAM-3	1523	0.0	N					
IPML-E	1525	0.0	N					
IPML-F	1527	0.0	N					
SAM-4/5	1529	0.0	N					
IPML-G	1531	0.0	N					
IPML-H	1533	0.0	N					

Additional Comments:	End of day. Forgen offsite at 1500.
Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 1/24/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.78
	Toluene:	9.64
Calibration (ppm)	Pass/Fail/NA:	NA

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	10
	PID Span (100 ppm Isobutylene)	190
	Drager GC (10 ppm Isobutylene/Toluene)	240

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0745	0.0	N					
IPML-A	0747	0.0	N					
SAM1.5	0749	0.0	N					
IPML-B	0751	0.0	N					
SAM-2	0753	0.0	N					
SAM-2.5	0755	0.0	Y	SLIGHT HYDRO-CARBON LIKE ODOR				
IPML-C	0757	0.0	N					
IPML-D	0759	0.0	N					
SAM-3	0801	0.0	N					
IPML-E	0803	0.0	N					
IPML-F	0805	0.0	N					
SAM-4/5	0807	0.0	N					
IPML-G	0809	0.0	N					
IPML-H	0811	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 1/24/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.78
	Toluene:	9.64
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0815	0.0	N					
IPML-A	0817	0.0	N					
SAM1.5	0819	0.0	N					
IPML-B	0821	0.0	N					
SAM-2	0823	0.0	N					
SAM-2.5	0825	0.0	Y	SLIGHT HYDRO-CARBON LIKE ODOR				
IPML-C	0827	0.0	N					
IPML-D	0829	0.0	N					
SAM-3	0831	0.0	N					
IPML-E	0833	0.0	N					
IPML-F	0835	0.0	N					
SAM-4/5	0837	0.0	N					
IPML-G	0839	0.0	N					
IPML-H	0841	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/24/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.78
	Toluene:	9.64
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0938	0.0	N					
IPML-A	0936	0.0	N					
SAM1.5	0934	0.0	N					
IPML-B	0932	0.0	N					
SAM-2	0930	0.0	N					
SAM-2.5	0928	0.0	N					
IPML-C	0926	0.0	N					
IPML-D	0924	0.0	N					
SAM-3	0922	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
IPML-E	0920	0.0	N					
IPML-F	0918	0.0	N					
SAM-4/5	0916	0.0	N					
IPML-G	0914	0.0	N					
IPML-H	0912	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/24/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.78
	Toluene:	9.64
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1029	0.0	N					
IPML-A	1027	0.0	N					
SAM1.5	1025	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
IPML-B	1023	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
SAM-2	1021	0.0	N					
SAM-2.5	1019	0.0	N					
IPML-C	1017	0.0	N					
IPML-D	1015	0.0	N					
SAM-3	1013	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
IPML-E	1011	0.0	N					
IPML-F	1009	0.0	N					
SAM-4/5	1007	0.0	N					
IPML-G	1005	0.0	N					
IPML-H	1003	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/24/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.78
	Toluene:	9.64
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1145	0.0	N					
IPML-A	1143	0.0	N					
SAM1.5	1141	0.0	N					
IPML-B	1139	0.0	N					
SAM-2	1137	0.0	N					
SAM-2.5	1135	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
IPML-C	1133	0.0	N					
IPML-D	1131	0.0	N					
SAM-3	1129	0.0	N					
IPML-E	1127	0.0	N					
IPML-F	1125	0.0	N					
SAM-4/5	1123	0.0	N					
IPML-G	1121	0.0	N					
IPML-H	1119	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/24/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.78
	Toluene:	9.64
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1232	0.0	N					
IPML-A	1230	0.0	N					
SAM1.5	1228	0.0	N					
IPML-B	1226	0.0	N					
SAM-2	1224	0.0	N					
SAM-2.5	1222	0.0	Y	SLIGHT HYDROCARON LIKE ODOR				
IPML-C	1220	0.0	N					
IPML-D	1218	0.0	Y	SLIGHT HYDROCARON LIKE ODOR				
SAM-3	1216	0.0	N					
IPML-E	1214	0.0	N					
IPML-F	1212	0.0	N					
SAM-4/5	1210	0.0	N					
IPML-G	1208	0.0	N					
IPML-H	1206	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/24/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.78
	Toluene:	9.64
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1333	0.0	N					
IPML-A	1331	0.0	N					
SAM1.5	1329	0.0	N					
IPML-B	1327	0.0	N					
SAM-2	1325	0.0	N					
SAM-2.5	1323	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
IPML-C	1321	0.0	N					
IPML-D	1319	0.0	N					
SAM-3	1317	0.0	N					
IPML-E	1315	0.0	N					
IPML-F	1313	0.0	N					
SAM-4/5	1311	0.0	N					
IPML-G	1309	0.0	N					
IPML-H	1307	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/24/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.78
	Toluene:	9.64
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1427	0.0	N					
IPML-A	1425	0.0	N					
SAM1.5	1423	0.0	N					
IPML-B	1421	0.0	N					
SAM-2	1419	0.0	N					
SAM-2.5	1417	0.0	N					
IPML-C	1415	0.0	N					
IPML-D	1413	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
SAM-3	1411	0.0	N					
IPML-E	1409	0.0	N					
IPML-F	1407	0.0	N					
SAM-4/5	1405	0.0	N					
IPML-G	1403	0.0	N					
IPML-H	1401	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/24/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.78
	Toluene:	9.64
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1527	0.0	N					
IPML-A	1525	0.0	N					
SAM1.5	1523	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
IPML-B	1521	0.0	N					
SAM-2	1519	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
SAM-2.5	1517	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
IPML-C	1515	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
IPML-D	1513	0.0	N					
SAM-3	1511	0.0	N					
IPML-E	1509	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
IPML-F	1507	0.0	N					
SAM-4/5	1505	0.0	N					
IPML-G	1503	0.0	N					
IPML-H	1501	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/24/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.78
	Toluene:	9.64
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1629	0.0	N					
IPML-A	1627	0.0	N					
SAM1.5	1625	0.0	N					
IPML-B	1623	0.0	N					
SAM-2	1621	0.0	N					
SAM-2.5	1619	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
IPML-C	1617	0.0	N					
IPML-D	1615	0.0	N					
SAM-3	1613	0.0	N					
IPML-E	1611	0.0	N					
IPML-F	1609	0.0	N					
SAM-4/5	1607	0.0	N					
IPML-G	1605	0.0	N					
IPML-H	1603	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/24/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.78
	Toluene:	9.64
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1725	0.0	N					
IPML-A	1723	0.0	N					
SAM1.5	1721	0.0	N					
IPML-B	1719	0.0	N					
SAM-2	1717	0.0	N					
SAM-2.5	1715	0.0	Y					
IPML-C	1713	0.0	N					
IPML-D	1711	0.0	N					
SAM-3	1709	0.0	N					
IPML-E	1707	0.0	N					
IPML-F	1705	0.0	N					
SAM-4/5	1703	0.0	N					
IPML-G	1701	0.0	N					
IPML-H	1659	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 1/25/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.46
	Toluene:	8.92
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0830	0.0	N					
IPML-A	0828	0.0	N					
SAM1.5	0826	0.0	N					
IPML-B	0824	0.0	N					
SAM-2	0822	0.0	N					
SAM-2.5	0820	0.0	N					
IPML-C	0818	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
IPML-D	0816	0.0	N					
SAM-3	0814	0.0	N					
IPML-E	0812	0.0	N					
IPML-F	0810	0.0	N					
SAM-4/5	0808	0.0	N					
IPML-G	0806	0.0	N					
IPML-H	0804	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 1/25/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.46
	Toluene:	8.92
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1010	0.0	N					
IPML-A	1008	0.0	N					
SAM1.5	1006	0.0	N					
IPML-B	1004	0.0	N					
SAM-2	1002	0.0	N					
SAM-2.5	1000	0.0	N					
IPML-C	0958	0.0	N					
IPML-D	0956	0.1	Y	SLIGHT HYDROCARBON LIKE ODOR				
SAM-3	0954	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
IPML-E	0952	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
IPML-F	0950	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
SAM-4/5	0948	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
IPML-G	0946	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
IPML-H	0944	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 1/25/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.46
	Toluene:	8.92
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1120	0.0	N					
IPML-A	1118	0.0	N					
SAM1.5	1116	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
IPML-B	1114	0.0	N					
SAM-2	1112	0.0	N					
SAM-2.5	1110	0.0	N					
IPML-C	1108	0.0	N					
IPML-D	1106	0.1	Y	SLIGHT HYDROCARBON LIKE ODOR				
SAM-3	1104	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
IPML-E	1102	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
IPML-F	1100	0.0	N					
SAM-4/5	1058	0.0	N					
IPML-G	1056	0.0	N					
IPML-H	1054	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/25/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.46
	Toluene:	8.92
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1206	0.0	N					
IPML-A	1204	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
SAM1.5	1202	0.0	N					
IPML-B	1200	0.0	N					
SAM-2	1158	0.0	N					
SAM-2.5	1156	0.0	N					
IPML-C	1154	0.0	N					
IPML-D	1152	0.0	N					
SAM-3	1150	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
IPML-E	1148	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
IPML-F	1146	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
SAM-4/5	1144	0.0	N					
IPML-G	1142	0.0	N					
IPML-H	1140	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/25/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.46
	Toluene:	8.92
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1257	0.0	N					
IPML-A	1255	0.0	N					
SAM1.5	1253	0.0	N					
IPML-B	1251	0.0	N					
SAM-2	1249	0.0	N					
SAM-2.5	1247	0.0	N					
IPML-C	1245	0.0	N					
IPML-D	1243	0.0	N					
SAM-3	1241	0.0	N					
IPML-E	1239	0.0	N					
IPML-F	1237	0.0	N					
SAM-4/5	1235	0.0	N					
IPML-G	1233	0.0	N					
IPML-H	1231	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 1/25/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.46
	Toluene:	8.92
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1342	0.0	N					
IPML-A	1340	0.0	Y	SLIGHT HYDRO-CARBON LIKE ODOR				
SAM1.5	1338	0.1	Y	SLIGHT HYDRO-CARBON LIKE ODOR				
IPML-B	1336	0.0	Y	SLIGHT HYDRO-CARBON LIKE ODOR				
SAM-2	1334	0.0	N					
SAM-2.5	1332	0.0	N					
IPML-C	1330	0.0	Y	SLIGHT HYDRO-CARBON LIKE ODOR				
IPML-D	1328	0.0	Y	SLIGHT HYDRO-CARBON LIKE ODOR				
SAM-3	1326	0.0	Y	SLIGHT HYDRO-CARBON LIKE ODOR				
IPML-E	1324	0.0	Y	SLIGHT HYDRO-CARBON LIKE ODOR				
IPML-F	1322	0.0	N					
SAM-4/5	1320	0.0	N					
IPML-G	1318	0.0	N					
IPML-H	1316	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/25/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.46
	Toluene:	8.92
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1436	0.0	N					
IPML-A	1434	0.0	N					
SAM1.5	1432	0.0	N					
IPML-B	1430	0.0	N					
SAM-2	1428	0.0	N					
SAM-2.5	1426	0.0	N					
IPML-C	1424	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
IPML-D	1422	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
SAM-3	1420	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
IPML-E	1418	0.0	N					
IPML-F	1416	0.0	N					
SAM-4/5	1414	0.0	N					
IPML-G	1412	0.0	N					
IPML-H	1410	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 1/25/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.46
	Toluene:	8.92
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1536	0.0	N					
IPML-A	1534	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
SAM1.5	1532	0.0	N					
IPML-B	1530	0.0	N					
SAM-2	1528	0.0	N					
SAM-2.5	1526	0.0	N					
IPML-C	1524	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
IPML-D	1522	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
SAM-3	1520	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
IPML-E	1518	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
IPML-F	1516	0.0	N					
SAM-4/5	1514	0.0	N					
IPML-G	1512	0.0	N					
IPML-H	1510	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
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Preliminary

PID & GC Readings

Date: 1/25/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.46
	Toluene:	8.92
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1653	0.0	N					
IPML-A	1651	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
SAM1.5	1649	0.0	N					
IPML-B	1647	0.0	N					
SAM-2	1645	0.0	N					
SAM-2.5	1643	0.0	N					
IPML-C	1641	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
IPML-D	1639	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
SAM-3	1637	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
IPML-E	1635	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
IPML-F	1633	0.0	N					
SAM-4/5	1631	0.0	N					
IPML-G	1629	0.0	N					
IPML-H	1627	0.0	N					

Additional Comments:	END OF DAY @ 1700.

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/26/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	99.8

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.31
	Toluene:	8.7
Calibration (ppm)	Pass/Fail/NA:	NA

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	225
	PID Span (100 ppm Isobutylene)	175
	Drager GC (10 ppm Isobutylene/Toluene)	250

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0822	0.0	N					
IPML-A	0820	0.0	N					
SAM1.5	0818	0.0	N					
IPML-B	0816	0.0	N					
SAM-2	0814	0.0	N					
SAM-2.5	0812	0.0	N					
IPML-C	0810	0.0	N					
IPML-D	0808	0.0	N					
SAM-3	0806	0.0	N					
IPML-E	0804	0.0	N					
IPML-F	0802	0.0	N					
SAM-4/5	0800	0.0	N					
IPML-G	0758	0.0	N					
IPML-H	0756	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/26/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

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

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	99.8

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.31
	Toluene:	8.7
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0915	0.0	N					
IPML-A	0913	0.0	N					
SAM1.5	0911	0.0	N					
IPML-B	0909	0.0	N					
SAM-2	0907	0.0	N					
SAM-2.5	0905	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
IPML-C	0903	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
IPML-D	0901	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
SAM-3	0859	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
IPML-E	0857	0.0	N					
IPML-F	0855	0.0	N					
SAM-4/5	0853	0.0	N					
IPML-G	0851	0.0	N					
IPML-H	0849	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 1/26/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	99.8

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.31
	Toluene:	8.7
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1008	0.0	N					
IPML-A	1006	0.0	N					
SAM1.5	1004	0.0	N					
IPML-B	1002	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
SAM-2	1000	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
SAM-2.5	0958	0.0	N					
IPML-C	0956	0.0	N					
IPML-D	0954	0.0	N					
SAM-3	0952	0.0	N					
IPML-E	0950	0.0	N					
IPML-F	0948	0.0	N					
SAM-4/5	0946	0.0	N					
IPML-G	0944	0.0	N					
IPML-H	0942	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/26/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	99.8

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.31
	Toluene:	8.7
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1059	0.0	N					
IPML-A	1057	0.0	N					
SAM1.5	1055	0.0	N					
IPML-B	1053	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
SAM-2	1051	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
SAM-2.5	1049	0.0	N					
IPML-C	1047	0.0	N					
IPML-D	1045	0.0	N					
SAM-3	1043	0.0	N					
IPML-E	1041	0.0	N					
IPML-F	1039	0.0	N					
SAM-4/5	1037	0.0	N					
IPML-G	1035	0.0	N					
IPML-H	1033	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/26/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	99.8

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.31
	Toluene:	8.7
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1200	0.0	N					
IPML-A	1158	0.0	N					
SAM1.5	1156	0.0	N					
IPML-B	1154	0.0	N					
SAM-2	1152	0.0	N					
SAM-2.5	1150	0.0	N					
IPML-C	1148	0.0	N					
IPML-D	1146	0.0	N					
SAM-3	1144	0.0	N					
IPML-E	1142	0.0	N					
IPML-F	1140	0.0	N					
SAM-4/5	1138	0.0	N					
IPML-G	1136	0.0	N					
IPML-H	1134	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/26/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	99.8

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.31
	Toluene:	8.7
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1304	0.0	N					
IPML-A	1302	0.0	N					
SAM1.5	1300	0.0	N					
IPML-B	1258	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
SAM-2	1256	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
SAM-2.5	1254	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
IPML-C	1252	0.0	N					
IPML-D	1250	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
SAM-3	1248	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
IPML-E	1246	0.0	N					
IPML-F	1244	0.0	N					
SAM-4/5	1242	0.0	N					
IPML-G	1240	0.0	N					
IPML-H	1238	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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PID & GC Readings

Date: 1/26/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	99.8

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.31
	Toluene:	8.7
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1358	0.0	N					
IPML-A	1356	0.0	N					
SAM1.5	1354	0.0	N					
IPML-B	1352	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
SAM-2	1350	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
SAM-2.5	1348	0.0	Y	SLIGHT HYDROCARBON LIKE ODOR				
IPML-C	1346	0.0	N					
IPML-D	1344	0.0	N					
SAM-3	1342	0.0	N					
IPML-E	1340	0.0	N					
IPML-F	1338	0.0	N					
SAM-4/5	1336	0.0	N					
IPML-G	1334	0.0	N					
IPML-H	1332	0.0	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	99.8

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.31
	Toluene:	8.7
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1455	0.0	N					
IPML-A	1453	0.0	N					
SAM1.5	1451	0.0	N					
IPML-B	1449	0.0	N					
SAM-2	1447	0.0	N					
SAM-2.5	1445	0.0	N					
IPML-C	1443	0.0	N					
IPML-D	1441	0.0	N					
SAM-3	1439	0.0	N					
IPML-E	1437	0.0	N					
IPML-F	1435	0.0	N					
SAM-4/5	1433	0.0	N					
IPML-G	1431	0.0	N					
IPML-H	1429	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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PID & GC Readings

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If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	99.8

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.31
	Toluene:	8.7
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1601	0.0	N					
IPML-A	1559	0.0	N					
SAM1.5	1557	0.0	N					
IPML-B	1555	0.0	N					
SAM-2	1553	0.0	N					
SAM-2.5	1551	0.0	N					
IPML-C	1549	0.0	N					
IPML-D	1547	0.0	N					
SAM-3	1545	0.0	N					
IPML-E	1543	0.0	N					
IPML-F	1541	0.0	N					
SAM-4/5	1539	0.0	N					
IPML-G	1537	0.0	N					
IPML-H	1535	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/27/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.37
	Toluene:	8.93
Calibration (ppm)	Pass/Fail/NA:	NA

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	225
	PID Span (100 ppm Isobutylene)	175
	Drager GC (10 ppm Isobutylene/Toluene)	250

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0807	0.0	N					
IPML-A	0805	0.0	N					
SAM1.5	0803	0.0	N					
IPML-B	0801	0.0	N					
SAM-2	0759	0.0	N					
SAM-2.5	0757	0.0	N					
IPML-C	0755	0.0	N					
IPML-D	0753	0.0	N					
SAM-3	0751	0.0	N					
IPML-E	0749	0.0	N					
IPML-F	0747	0.0	N					
SAM-4/5	0745	0.0	N					
IPML-G	0743	0.0	N					
IPML-H	0741	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.37
	Toluene:	8.93
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0847	0.0	N					
IPML-A	0845	0.0	N					
SAM1.5	0843	0.0	N					
IPML-B	0841	0.0	N					
SAM-2	0839	0.0	N					
SAM-2.5	0837	0.0	N					
IPML-C	0835	0.0	N					
IPML-D	0833	0.0	N					
SAM-3	0831	0.0	N					
IPML-E	0829	0.0	N					
IPML-F	0827	0.0	N					
SAM-4/5	0825	0.0	N					
IPML-G	0823	0.0	N					
IPML-H	0821	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.37
	Toluene:	8.93
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0939	0.0	N					
IPML-A	0937	0.0	N					
SAM1.5	0935	0.0	N					
IPML-B	0933	0.0	N					
SAM-2	0931	0.0	N					
SAM-2.5	0929	0.0	N					
IPML-C	0927	0.0	N					
IPML-D	0925	0.0	N					
SAM-3	0923	0.0	N					
IPML-E	0921	0.0	N					
IPML-F	0919	0.0	N					
SAM-4/5	0917	0.0	N					
IPML-G	0915	0.0	N					
IPML-H	0913	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.37
	Toluene:	8.93
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1047	0.0	N					
IPML-A	1045	0.0	N					
SAM1.5	1043	0.0	N					
IPML-B	1041	0.0	N					
SAM-2	1039	0.0	N					
SAM-2.5	1037	0.0	N					
IPML-C	1035	0.0	N					
IPML-D	1033	0.0	N					
SAM-3	1031	0.0	N					
IPML-E	1029	0.0	N					
IPML-F	1027	0.0	N					
SAM-4/5	1025	0.0	N					
IPML-G	1023	0.0	N					
IPML-H	1021	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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PID & GC Readings

Date: 1/27/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.37
	Toluene:	8.93
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1150	0.0	N					
IPML-A	1148	0.0	N					
SAM1.5	1146	0.0	N					
IPML-B	1144	0.0	N					
SAM-2	1142	0.0	N					
SAM-2.5	1140	0.0	N					
IPML-C	1138	0.0	N					
IPML-D	1136	0.0	N					
SAM-3	1134	0.0	N					
IPML-E	1132	0.0	N					
IPML-F	1130	0.0	N					
SAM-4/5	1128	0.0	N					
IPML-G	1126	0.0	N					
IPML-H	1124	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 1/27/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.37
	Toluene:	8.93
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1259	0.0	N					
IPML-A	1257	0.0	N					
SAM1.5	1255	0.0	N					
IPML-B	1253	0.0	N					
SAM-2	1251	0.0	N					
SAM-2.5	1249	0.0	N					
IPML-C	1247	0.0	N					
IPML-D	1245	0.0	N					
SAM-3	1243	0.0	N					
IPML-E	1241	0.0	N					
IPML-F	1239	0.0	N					
SAM-4/5	1237	0.0	N					
IPML-G	1235	0.0	N					
IPML-H	1233	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/27/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.37
	Toluene:	8.93
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1348	0.0	N					
IPML-A	1346	0.0	N					
SAM1.5	1344	0.0	N					
IPML-B	1342	0.0	N					
SAM-2	1340	0.0	N					
SAM-2.5	1338	0.0	N					
IPML-C	1336	0.0	N					
IPML-D	1334	0.0	N					
SAM-3	1332	0.0	N					
IPML-E	1330	0.0	N					
IPML-F	1328	0.0	N					
SAM-4/5	1326	0.0	N					
IPML-G	1324	0.0	N					
IPML-H	1322	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/27/2024	Technician Name: Marshall Arendell	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.37
	Toluene:	8.93
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1445	0.0	N					
IPML-A	1443	0.0	N					
SAM1.5	1441	0.0	N					
IPML-B	1439	0.0	N					
SAM-2	1437	0.0	N					
SAM-2.5	1435	0.0	N					
IPML-C	1433	0.0	N					
IPML-D	1431	0.0	N					
SAM-3	1429	0.0	N					
IPML-E	1427	0.0	N					
IPML-F	1425	0.0	N					
SAM-4/5	1423	0.0	N					
IPML-G	1421	0.0	N					
IPML-H	1419	0.0	N					

Additional Comments:	Last reading of the day.
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/29/24	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	100.1 ppm

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.38 ppm
	Toluene:	9.12 ppm
Calibration (ppm)	Pass/Fail/NA:	NA

Calibration Gas Tank Pressure

Gases	Current Pressure (PSI)
PID Zero Air (0 ppm)	225
PID Span (100 ppm Isobutylene)	175
Drager GC (10 ppm Isobutylene/Toluene)	250

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0748	0.0	N					
IPML-A	0800	0.0	N					
SAM1.5	0802	0.0	N					
IPML-B	0804	0.0	N					
SAM-2	0805	0.0	N					
SAM-2.5	0807	0.0	N					
IPML-C	0808	0.0	N					
IPML-D	0810	0.0	N					
SAM-3	0812	0.0	N					
IPML-E	0814	0.1	N					
IPML-F	0816	0.1	N					
SAM-4/5	0817	0.1	N					
IPML-G	0819	0.1	Y	Hydrocarbon-like odor				
IPML-H	0821	0.1	Y	Hydrocarbon-like odor				

Additional Comments:	Forgen batching carbon/cement mixture - some coal releases near SAM 4/5
Safety Observation/Suggestion:	Muddy conditions onsite

At the end of the day:

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Preliminary

PID & GC Readings

Date: 1/29/24	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.38 ppm
	Toluene:	9.12 ppm
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0847	0.1	N					
IPML-A	0849	0.1	N					
SAM1.5	0850	0.1	Y	Hydrocarbon-like				
IPML-B	0851	0.1	Y	Hydrocarbon-like				
SAM-2	0853	0.1	Y	Hydrocarbon-like				
SAM-2.5	0854	0.1	Y	Hydrocarbon-like				
IPML-C	0855	0.1	Y	Hydrocarbon-like				
IPML-D	0857	0.1	Y	Hydrocarbon-like				
SAM-3	0859	0.1	Y	Hydrocarbon-like				
IPML-E	0900	0.1	Y	Hydrocarbon-like				
IPML-F	0902	0.1	Y	Hydrocarbon-like				
SAM-4/5	0903	0.1	Y	Hydrocarbon-like				
IPML-G	0905	0.1	Y	Hydrocarbon-like				
IPML-H	0906	0.1	Y	Hydrocarbon-like				

Additional Comments:	Forgen batching carbon/cement mixture - some coal releases near SAM 4/5

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/29/24	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	100.1 ppm

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.38 ppm
	Toluene:	9.12 ppm
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0946	0.1	Y	Hydrocarbon - like odor				
IPML-A	0948	0.1	Y	Hydrocarbon - like odor				
SAM1.5	0950	0.1	Y	Hydrocarbon - like odor				
IPML-B	0951	0.1	Y	Hydrocarbon - like odor				
SAM-2	0952	0.1	Y	Hydrocarbon - like odor				
SAM-2.5	0954	0.1	Y	Hydrocarbon - like odor				
IPML-C	0956	0.1	Y	Hydrocarbon - like odor				
IPML-D	0958	0.1	Y	Hydrocarbon - like odor				
SAM-3	0959	0.1	Y	Hydrocarbon - like odor				
IPML-E	1001	0.1	Y	Hydrocarbon - like odor				
IPML-F	1002	0.1	Y	Hydrocarbon - like odor				
SAM-4/5	1004	0.1	Y	Hydrocarbon - like odor				
IPML-G	1006	0.1	Y	Hydrocarbon - like odor				
IPML-H	1007	0.1	Y	Hydrocarbon - like odor				

Additional Comments:	Forgen batching carbon/cement mixture - some coal releases near SAM 4/5

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/29/24	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	100.1 ppm

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.38 ppm
	Toluene:	9.12 ppm
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1046	0.1	Y	Hydrocarbon-like odor				
IPML-A	1047	0.1	Y	Hydrocarbon-like odor				
SAM1.5	1049	0.1	Y	Hydrocarbon-like odor				
IPML-B	1050	0.1	Y	Hydrocarbon-like odor				
SAM-2	1051	0.1	Y	Hydrocarbon-like odor				
SAM-2.5	1052	0.1	Y	Hydrocarbon-like odor				
IPML-C	1054	0.1	Y	Hydrocarbon-like odor				
IPML-D	1055	0.1	Y	Hydrocarbon-like odor				
SAM-3	1058	0.1	Y	Hydrocarbon-like odor				
IPML-E	1059	0.1	Y	Hydrocarbon-like odor				
IPML-F	1101	0.1	Y	Hydrocarbon-like odor				
SAM-4/5	1102	0.1	Y	Hydrocarbon-like odor				
IPML-G	1103	0.1	Y	Hydrocarbon-like odor				
IPML-H	1104	0.1	Y	Hydrocarbon-like odor				

Additional Comments:	Forgen batching carbon/cement mixture - some coal releases near SAM 4/5

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/29/24	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	100.1 ppm

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.38 ppm
	Toluene:	9.12 ppm
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1155	0.1	Y	Hydrocarbon-like				
IPML-A	1157	0.1	Y	Hydrocarbon-like				
SAM1.5	1202	0.1	Y	Hydrocarbon-like				
IPML-B	1204	0.1	N					
SAM-2	1208	0.1	N					
SAM-2.5	1210	0.1	N					
IPML-C	1212	0.1	N					
IPML-D	1214	0.1	N					
SAM-3	1218	0.1	N					
IPML-E	1220	0.1	N					
IPML-F	1221	0.1	N					
SAM-4/5	1227	0.1	N					
IPML-G	1229	0.1	N					
IPML-H	1230	0.1	N					

Additional Comments:	Forgen batching carbon/cement mixture - some coal releases near SAM 4/5

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/29/24	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	100.1 ppm

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.38 ppm
	Toluene:	9.12 ppm
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1232	0.1	N					
IPML-A	1233	0.1	N					
SAM1.5	1234	0.1	N					
IPML-B	1236	0.1	N					
SAM-2	1238	0.1	N					
SAM-2.5	1240	0.1	N					
IPML-C	1242	0.1	Y	Hydrocarbon-like				
IPML-D	1244	0.1	N					
SAM-3	1245	0.1	N					
IPML-E	1247	0.1	N					
IPML-F	1248	0.1	N					
SAM-4/5	1250	0.1	N					
IPML-G	1251	0.1	N					
IPML-H	1252	0.1	N					

Additional Comments:	Forgen work paused for lunch- batching product resumed at 12:30 pm.

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/29/24	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	100.1 ppm

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.38 ppm
	Toluene:	9.12 ppm
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1335	0.1	N					
IPML-A	1337	0.1	N					
SAM1.5	1339	0.1	N					
IPML-B	1340	0.1	N					
SAM-2	1345	0.1	N					
SAM-2.5	1346	0.1	N					
IPML-C	1348	0.1	N					
IPML-D	1349	0.1	N					
SAM-3	1351	0.1	N					
IPML-E	1352	0.1	N					
IPML-F	1354	0.1	N					
SAM-4/5	1356	0.1	N					
IPML-G	1357	0.1	Y	Hydrocarbon-like				
IPML-H	1358	0.1	Y	Hydrocarbon-like				

Additional Comments:	Forgen batching carbon/cement mixture - some coal releases near SAM 4/5

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 1/29/24	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	100.1 ppm

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.38 ppm
	Toluene:	9.12 ppm
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1440	0.1	N					
IPML-A	1442	0.1	Y	Hydrocarbon-like				
SAM1.5	1444	0.1	Y	Hydrocarbon-like				
IPML-B	1445	0.0	N					
SAM-2	1447	0.0	N					
SAM-2.5	1448	0.1	N					
IPML-C	1450	0.1	N					
IPML-D	1451	0.1	N					
SAM-3	1453	0.1	N					
IPML-E	1454	0.1	N					
IPML-F	1456	0.1	N					
SAM-4/5	1457	0.1	N					
IPML-G	1459	0.1	N					
IPML-H	1500	0.1	N					

Additional Comments:	Forgen batching carbon/cement mixture - some coal releases near SAM 4/5

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 1/29/24	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	100.1 ppm

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.38 ppm
	Toluene:	9.12 ppm
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1547	0.0	N					
IPML-A	1549	0.0	N					
SAM1.5	1550	0.0	N					
IPML-B	1552	0.0	N					
SAM-2	1553	0.0	N					
SAM-2.5	1554	0.0	N					
IPML-C	1556	0.0	N					
IPML-D	1557	0.0	Y	Hydrocarbon-like				
SAM-3	1558	0.1	N					
IPML-E	1600	0.0	N					
IPML-F	1601	0.0	N					
SAM-4/5	1602	0.0	N					
IPML-G	1603	0.1	N					
IPML-H	1604	0.1	N					

Additional Comments:	Forgen batching carbon/cement mixture - some coal releases near SAM 4/5. Forgen done at 1530

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/31/24	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	100.1 ppm

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.10 ppm
	Toluene:	8.49 ppm
Calibration (ppm)	Pass/Fail/NA:	NA

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	225
	PID Span (100 ppm Isobutylene)	160
	Drager GC (10 ppm Isobutylene/Toluene)	250

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0810	0.0	N					
IPML-A	0803	0.0	N					
SAM1.5	0801	0.0	N					
IPML-B	0759	0.0	N					
SAM-2	0757	0.0	N					
SAM-2.5	0756	0.0	N					
IPML-C	0754	0.0	N					
IPML-D	0753	0.0	N					
SAM-3	0751	0.0	N					
IPML-E	0749	0.0	N					
IPML-F	0748	0.0	N					
SAM-4/5	0745	0.0	N					
IPML-G	0743	0.0	N					
IPML-H	0742	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/31/24	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	100.1 ppm

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.10 ppm
	Toluene:	8.49 ppm
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0842	0.0	N					
IPML-A	0843	0.0	N					
SAM1.5	0844	0.0	N					
IPML-B	0846	0.0	N					
SAM-2	0848	0.0	N					
SAM-2.5	0850	0.0	N					
IPML-C	0852	0.0	N					
IPML-D	0853	0.1	N					
SAM-3	0855	0.1	N					
IPML-E	0856	0.1	N					
IPML-F	0857	0.1	N					
SAM-4/5	0859	0.1	N					
IPML-G	0901	0.1	N					
IPML-H	0902	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/31/24	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	100.1 ppm

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.10 ppm
	Toluene:	8.49 ppm
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0940	0.0	N					
IPML-A	0941	0.0	N					
SAM1.5	0943	0.0	N					
IPML-B	0944	0.0	N					
SAM-2	0946	0.0	N					
SAM-2.5	0947	0.0	N					
IPML-C	0948	0.0	N					
IPML-D	0950	0.0	N					
SAM-3	0952	0.1	N					
IPML-E	0954	0.1	N					
IPML-F	0955	0.1	N					
SAM-4/5	0957	0.1	N					
IPML-G	0958	0.1	N					
IPML-H	0959	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/31/24	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	100.1 ppm

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.10 ppm
	Toluene:	8.49 ppm
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1039	0.0	N					
IPML-A	1040	0.0	N					
SAM1.5	1042	0.0	N					
IPML-B	1043	0.0	Y	Hydrocarbon-like				
SAM-2	1044	0.0	Y	Hydrocarbon-like				
SAM-2.5	1046	0.0	N					
IPML-C	1047	0.0	N					
IPML-D	1048	0.0	N					
SAM-3	1050	0.1	N					
IPML-E	1051	0.1	N					
IPML-F	1052	0.1	N					
SAM-4/5	1054	0.1	N					
IPML-G	1055	0.1	N					
IPML-H	1056	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/31/24	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	100.1 ppm

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.10 ppm
	Toluene:	8.49 ppm
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1138	0.0	N					
IPML-A	1139	0.0	N					
SAM1.5	1141	0.0	N					
IPML-B	1142	0.0	N					
SAM-2	1144	0.0	N					
SAM-2.5	1145	0.0	N					
IPML-C	1146	0.0	N					
IPML-D	1147	0.0	N					
SAM-3	1149	0.0	N					
IPML-E	1150	0.1	N					
IPML-F	1152	0.1	N					
SAM-4/5	1153	0.1	N					
IPML-G	1154	0.1	N					
IPML-H	1155	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/31/24	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	100.1 ppm

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.10 ppm
	Toluene:	8.49 ppm
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1231	0.1	N					
IPML-A	1232	0.0	N					
SAM1.5	1233	0.0	N					
IPML-B	1234	0.0	N					
SAM-2	1236	0.0	N					
SAM-2.5	1237	0.0	N					
IPML-C	1238	0.0	N					
IPML-D	1240	0.1	N					
SAM-3	1241	0.1	N					
IPML-E	1243	0.1	N					
IPML-F	1244	0.1	N					
SAM-4/5	1245	0.1	N					
IPML-G	1246	0.1	N					
IPML-H	1247	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 1/31/24	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	100.1 ppm

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.10 ppm
	Toluene:	8.49 ppm
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1308	0.1	N					
IPML-A	1309	0.1	N					
SAM1.5	1311	0.1	N					
IPML-B	1313	0.1	N					
SAM-2	1314	0.1	N					
SAM-2.5	1315	0.1	N					
IPML-C	1316	0.1	N					
IPML-D	1317	0.1	N					
SAM-3	1319	0.1	N					
IPML-E	1321	0.1	N					
IPML-F	1322	0.1	N					
SAM-4/5	1323	0.1	N					
IPML-G	1324	0.1	N					
IPML-H	1325	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 1/31/24	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	100.1 ppm

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.10 ppm
	Toluene:	8.49 ppm
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1432	0.0	N					
IPML-A	1433	0.0	N					
SAM1.5	1434	0.0	N					
IPML-B	1436	0.0	N					
SAM-2	1437	0.0	N					
SAM-2.5	1438	0.0	N					
IPML-C	1439	0.0	N					
IPML-D	1441	0.0	N					
SAM-3	1442	0.0	N					
IPML-E	1444	0.1	N					
IPML-F	1445	0.1	N					
SAM-4/5	1446	0.1	N					
IPML-G	1447	0.1	N					
IPML-H	1448	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 1/31/24	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	100.1 ppm

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.10 ppm
	Toluene:	8.49 ppm
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1536	0.0	N					
IPML-A	1538	0.0	N					
SAM1.5	1540	0.0	N					
IPML-B	1541	0.0	N					
SAM-2	1542	0.0	N					
SAM-2.5	1543	0.0	N					
IPML-C	1544	0.0	N					
IPML-D	1546	0.0	N					
SAM-3	1547	0.0	N					
IPML-E	1549	0.0	N					
IPML-F	1550	0.0	N					
SAM-4/5	1552	0.0	N					
IPML-G	1553	0.1	N					
IPML-H	1554	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 2/1/24	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	100.1 ppm

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.13 ppm
	Toluene:	8.73 ppm
Calibration (ppm)	Pass/Fail/NA:	NA

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	205
	PID Span (100 ppm Isobutylene)	150
	Drager GC (10 ppm Isobutylene/Toluene)	220

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0747	0.0	N					
IPML-A	0748	0.0	N					
SAM1.5	0750	0.0	N					
IPML-B	0752	0.0	N					
SAM-2	0754	0.0	N					
SAM-2.5	0755	0.0	N					
IPML-C	0757	0.0	N					
IPML-D	0758	0.0	N					
SAM-3	0800	0.0	N					
IPML-E	0802	0.0	N					
IPML-F	0803	0.0	N					
SAM-4/5	0805	0.0	N					
IPML-G	0806	0.0	N					
IPML-H	0807	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 2/1/24	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	100.1 ppm

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.13 ppm
	Toluene:	8.73 ppm
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0847	0.1	N					
IPML-A	0849	0.1	N					
SAM1.5	0851	0.1	N					
IPML-B	0852	0.1	N					
SAM-2	0854	0.1	N					
SAM-2.5	0855	0.1	N					
IPML-C	0857	0.1	N					
IPML-D	0859	0.1	N					
SAM-3	0901	0.1	N					
IPML-E	0903	0.1	N					
IPML-F	0905	0.1	N					
SAM-4/5	0909	0.1	N					
IPML-G	0911	0.1	N					
IPML-H	0912	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 2/1/24	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	100.1 ppm

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.13 ppm
	Toluene:	8.73 ppm
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0941	0.1	N					
IPML-A	0943	0.1	N					
SAM1.5	0945	0.1	N					
IPML-B	0946	0.1	N					
SAM-2	0948	0.1	N					
SAM-2.5	0949	0.1	N					
IPML-C	0951	0.1	N					
IPML-D	0952	0.1	N					
SAM-3	0954	0.1	N					
IPML-E	0955	0.1	N					
IPML-F	0957	0.1	N					
SAM-4/5	0958	0.1	N					
IPML-G	1000	0.1	N					
IPML-H	1001	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 2/1/24	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	100.1 ppm

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.13 ppm
	Toluene:	8.73 ppm
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1046	0.1	N					
IPML-A	1047	0.1	N					
SAM1.5	1048	0.1	N					
IPML-B	1049	0.1	N					
SAM-2	1051	0.1	N					
SAM-2.5	1052	0.1	N					
IPML-C	1054	0.1	N					
IPML-D	1055	0.1	N					
SAM-3	1057	0.1	N					
IPML-E	1058	0.1	N					
IPML-F	1059	0.1	N					
SAM-4/5	1101	0.1	N					
IPML-G	1102	0.1	N					
IPML-H	1103	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 2/1/24	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	100.1 ppm

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.13 ppm
	Toluene:	8.73 ppm
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1144	0.1	N					
IPML-A	1145	0.1	N					
SAM1.5	1147	0.1	N					
IPML-B	1149	0.0	N					
SAM-2	1150	0.0	N					
SAM-2.5	1152	0.0	N					
IPML-C	1153	0.0	N					
IPML-D	1154	0.0	N					
SAM-3	1156	0.1	N					
IPML-E	1158	0.1	N					
IPML-F	1159	0.1	N					
SAM-4/5	1200	0.1	N					
IPML-G	1201	0.1	N					
IPML-H	1202	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 2/1/24	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	100.1 ppm

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.13 ppm
	Toluene:	8.73 ppm
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1248	0.0	N					
IPML-A	1249	0.0	N					
SAM1.5	1251	0.0	N					
IPML-B	1253	0.0	N					
SAM-2	1254	0.0	N					
SAM-2.5	1256	0.0	N					
IPML-C	1257	0.0	N					
IPML-D	1258	0.0	N					
SAM-3	1300	0.0	N					
IPML-E	1302	0.0	N					
IPML-F	1303	0.0	N					
SAM-4/5	1305	0.0	N					
IPML-G	1306	0.0	N					
IPML-H	1307	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 2/1/24	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	100.1 ppm

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.13 ppm
	Toluene:	8.73 ppm
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1340	0.0	N					
IPML-A	1341	0.0	N					
SAM1.5	1348	0.0	N					
IPML-B	1350	0.0	N					
SAM-2	1356	0.0	N					
SAM-2.5	1404	0.1	N					
IPML-C	1409	0.1	N					
IPML-D	1411	0.1	N					
SAM-3	1417	0.1	N					
IPML-E	1419	0.1	N					
IPML-F	1420	0.1	N					
SAM-4/5	1428	0.1	N					
IPML-G	1430	0.1	N					
IPML-H	1431	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 2/1/24	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	100.1 ppm

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.13 ppm
	Toluene:	8.73 ppm
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1437	0.1	N					
IPML-A	1439	0.1	N					
SAM1.5	1441	0.1	N					
IPML-B	1443	0.1	N					
SAM-2	1444	0.1	N					
SAM-2.5	1445	0.1	N					
IPML-C	1447	0.1	N					
IPML-D	1448	0.1	N					
SAM-3	1450	0.1	N					
IPML-E	1452	0.1	N					
IPML-F	1453	0.1	N					
SAM-4/5	1455	0.1	N					
IPML-G	1456	0.1	N					
IPML-H	1457	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 2/1/24	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	100.1 ppm

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.13 ppm
	Toluene:	8.73 ppm
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1528	0.0	N					
IPML-A	1529	0.0	N					
SAM1.5	1531	0.0	N					
IPML-B	1532	0.0	N					
SAM-2	1533	0.1	N					
SAM-2.5	1535	0.1	N					
IPML-C	1536	0.1	N					
IPML-D	1537	0.1	N					
SAM-3	1539	0.1	N					
IPML-E	1540	0.1	N					
IPML-F	1541	0.1	N					
SAM-4/5	1543	0.1	N					
IPML-G	1544	0.1	N					
IPML-H	1545	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 2/2/24	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	99.9 ppm

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.98 ppm
	Toluene:	8.48 ppm
Calibration (ppm)	Pass/Fail/NA:	NA

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	200
	PID Span (100 ppm Isobutylene)	155
	Drager GC (10 ppm Isobutylene/Toluene)	200

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0748	0.0	N					
IPML-A	0749	0.0	N					
SAM1.5	0750	0.0	N					
IPML-B	0752	0.0	N					
SAM-2	0754	0.0	N					
SAM-2.5	0755	0.0	N					
IPML-C	0756	0.0	N					
IPML-D	0758	0.0	N					
SAM-3	0800	0.0	N					
IPML-E	0802	0.0	N					
IPML-F	0803	0.0	N					
SAM-4/5	0806	0.1	N					
IPML-G	0808	0.1	N					
IPML-H	0809	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 2/2/24	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	99.9 ppm

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.98 ppm
	Toluene:	8.48 ppm
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0903	0.1	N					
IPML-A	0901	0.1	N					
SAM1.5	0900	0.1	N					
IPML-B	0858	0.1	N					
SAM-2	0857	0.1	N					
SAM-2.5	0855	0.1	N					
IPML-C	0854	0.1	N					
IPML-D	0852	0.1	N					
SAM-3	0850	0.1	N					
IPML-E	0848	0.1	N					
IPML-F	0846	0.1	N					
SAM-4/5	0844	0.1	N					
IPML-G	0843	0.1	N					
IPML-H	0842	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 2/2/24	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	99.9 ppm

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.98 ppm
	Toluene:	8.48 ppm
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1002	0.1	N					
IPML-A	1001	0.1	N					
SAM1.5	1000	0.1	N					
IPML-B	0958	0.1	N					
SAM-2	0957	0.1	N					
SAM-2.5	0956	0.1	N					
IPML-C	0954	0.1	N					
IPML-D	0953	0.1	N					
SAM-3	0951	0.1	N					
IPML-E	0950	0.1	N					
IPML-F	0948	0.1	N					
SAM-4/5	0947	0.1	N					
IPML-G	0945	0.1	N					
IPML-H	0944	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 2/2/24	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	99.9 ppm

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.98 ppm
	Toluene:	8.48 ppm
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1100	0.1	N					
IPML-A	1058	0.1	N					
SAM1.5	1057	0.1	N					
IPML-B	1056	0.1	N					
SAM-2	1055	0.1	N					
SAM-2.5	1053	0.1	N					
IPML-C	1052	0.1	N					
IPML-D	1051	0.1	N					
SAM-3	1049	0.1	N					
IPML-E	1048	0.1	N					
IPML-F	1047	0.1	N					
SAM-4/5	1045	0.1	N					
IPML-G	1044	0.1	N					
IPML-H	1043	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 2/2/24	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	99.9 ppm

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.98 ppm
	Toluene:	8.48 ppm
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1142	0.1	N					
IPML-A	1143	0.1	N					
SAM1.5	1144	0.1	N					
IPML-B	1146	0.1	N					
SAM-2	1147	0.1	N					
SAM-2.5	1148	0.1	N					
IPML-C	1150	0.1	N					
IPML-D	1152	0.1	N					
SAM-3	1153	0.1	N					
IPML-E	1155	0.1	N					
IPML-F	1156	0.1	N					
SAM-4/5	1157	0.1	N					
IPML-G	1158	0.1	N					
IPML-H	1159	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 2/2/24	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	99.9 ppm

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.98 ppm
	Toluene:	8.48 ppm
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1241	0.1	N					
IPML-A	1243	0.0	N					
SAM1.5	1244	0.0	N					
IPML-B	1245	0.1	N					
SAM-2	1247	0.1	N					
SAM-2.5	1248	0.1	N					
IPML-C	1250	0.1	N					
IPML-D	1251	0.1	N					
SAM-3	1253	0.1	N					
IPML-E	1254	0.1	N					
IPML-F	1255	0.1	N					
SAM-4/5	1257	0.1	N					
IPML-G	1258	0.1	N					
IPML-H	1259	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 2/2/24	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	99.9 ppm

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.98 ppm
	Toluene:	8.48 ppm
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1342	0.1	N					
IPML-A	1343	0.1	N					
SAM1.5	1345	0.1	N					
IPML-B	1346	0.1	N					
SAM-2	1347	0.1	N					
SAM-2.5	1349	0.1	N					
IPML-C	1350	0.1	N					
IPML-D	1352	0.1	N					
SAM-3	1353	0.1	N					
IPML-E	1355	0.1	N					
IPML-F	1356	0.1	N					
SAM-4/5	1358	0.1	N					
IPML-G	1359	0.1	N					
IPML-H	1400	0.1	N					

Additional Comments:	
Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 2/2/24	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	99.9 ppm

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.98 ppm
	Toluene:	8.48 ppm
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1443	0.1	N					
IPML-A	1445	0.1	N					
SAM1.5	1446	0.1	N					
IPML-B	1447	0.1	N					
SAM-2	1448	0.1	N					
SAM-2.5	1450	0.1	N					
IPML-C	1451	0.1	N					
IPML-D	1452	0.1	N					
SAM-3	1453	0.1	N					
IPML-E	1454	0.1	N					
IPML-F	1456	0.1	N					
SAM-4/5	1457	0.1	N					
IPML-G	1458	0.1	N					
IPML-H	1459	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 2/2/24	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	99.9 ppm

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.98 ppm
	Toluene:	8.48 ppm
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1501	0.1	N					
IPML-A	1502	0.1	N					
SAM1.5	1504	0.1	N					
IPML-B	1505	0.1	N					
SAM-2	1506	0.1	N					
SAM-2.5	1507	0.1	N					
IPML-C	1509	0.1	N					
IPML-D	1510	0.1	N					
SAM-3	1512	0.1	N					
IPML-E	1514	0.1	N					
IPML-F	1515	0.1	N					
SAM-4/5	1517	0.1	N					
IPML-G	1518	0.1	N					
IPML-H	1519	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 2/3/24	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	100.1 ppm

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.00 ppm
	Toluene:	8.58 ppm
Calibration (ppm)	Pass/Fail/NA:	NA

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	195
	PID Span (100 ppm Isobutylene)	150
	Drager GC (10 ppm Isobutylene/Toluene)	200

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0844	0.0	N					
IPML-A	0845	0.0	N					
SAM1.5	0847	0.0	N					
IPML-B	0848	0.0	N					
SAM-2	0849	0.0	N					
SAM-2.5	0851	0.0	N					
IPML-C	0852	0.0	N					
IPML-D	0853	0.0	N					
SAM-3	0855	0.0	N					
IPML-E	0856	0.0	N					
IPML-F	0857	0.0	N					
SAM-4/5	0859	0.0	N					
IPML-G	0900	0.0	N					
IPML-H	0901	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

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Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	100.1 ppm

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.00 ppm
	Toluene:	8.58 ppm
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0944	0.0	N					
IPML-A	0945	0.0	N					
SAM1.5	0947	0.0	N					
IPML-B	0948	0.0	N					
SAM-2	0950	0.0	N					
SAM-2.5	0952	0.0	N					
IPML-C	0953	0.0	N					
IPML-D	0954	0.0	N					
SAM-3	0957	0.0	N					
IPML-E	0959	0.0	N					
IPML-F	1000	0.1	N					
SAM-4/5	1002	0.1	N					
IPML-G	1003	0.1	N					
IPML-H	1004	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

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PID & GC Readings

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Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	100.1 ppm

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.00 ppm
	Toluene:	8.58 ppm
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1042	0.0	N					
IPML-A	1043	0.0	N					
SAM1.5	1045	0.0	N					
IPML-B	1046	0.0	N					
SAM-2	1047	0.0	N					
SAM-2.5	1049	0.0	N					
IPML-C	1050	0.0	N					
IPML-D	1051	0.0	N					
SAM-3	1053	0.0	N					
IPML-E	1054	0.0	N					
IPML-F	1055	0.0	N					
SAM-4/5	1057	0.0	N					
IPML-G	1058	0.0	N					
IPML-H	1059	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

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Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	100.1 ppm

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.00 ppm
	Toluene:	8.58 ppm
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1130	0.0	N					
IPML-A	1131	0.0	N					
SAM1.5	1133	0.0	N					
IPML-B	1134	0.0	N					
SAM-2	1135	0.0	N					
SAM-2.5	1136	0.0	N					
IPML-C	1138	0.0	N					
IPML-D	1139	0.0	N					
SAM-3	1140	0.0	N					
IPML-E	1142	0.0	N					
IPML-F	1143	0.0	N					
SAM-4/5	1144	0.0	N					
IPML-G	1146	0.0	N					
IPML-H	1147	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

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Date: 2/3/24	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

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Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	100.1 ppm

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.00 ppm
	Toluene:	8.58 ppm
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1231	0.0	N					
IPML-A	1232	0.0	N					
SAM1.5	1234	0.0	N					
IPML-B	1235	0.0	N					
SAM-2	1236	0.0	N					
SAM-2.5	1237	0.0	N					
IPML-C	1239	0.0	N					
IPML-D	1240	0.0	N					
SAM-3	1241	0.0	N					
IPML-E	1243	0.0	N					
IPML-F	1244	0.0	N					
SAM-4/5	1245	0.0	N					
IPML-G	1247	0.0	N					
IPML-H	1248	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 2/3/24	Technician Name: K. Mahoney	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0 ppm
Span Concentration (ppm) (using 100ppm standard)	100.1 ppm

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.00 ppm
	Toluene:	8.58 ppm
Calibration (ppm)	Pass/Fail/NA:	NA

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1304	0.0	N					
IPML-A	1305	0.0	N					
SAM1.5	1308	0.0	N					
IPML-B	1309	0.0	N					
SAM-2	1312	0.0	N					
SAM-2.5	1314	0.0	N					
IPML-C	1316	0.0	N					
IPML-D	1317	0.0	N					
SAM-3	1320	0.0	N					
IPML-E	1322	0.0	N					
IPML-F	1323	0.0	N					
SAM-4/5	1328	0.0	N					
IPML-G	1329	0.0	N					
IPML-H	1330	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/05/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.2

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.06
	Toluene:	8.94
Calibration (ppm)	Pass/Fail/NA:	Pass

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	200
	PID Span (100 ppm Isobutylene)	150
	Drager GC (10 ppm Isobutylene/Toluene)	200

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0745	0.0	N					
IPML-A	0747	0.0	N					
SAM1.5	0749	0.0	N					
IPML-B	0751	0.0	N					
SAM-2	0754	0.0	N					
SAM-2.5	0756	0.0	N					
IPML-C	0758	0.0	N					
IPML-D	0800	0.0	N					
SAM-3	0802	0.0	N					
IPML-E	0804	0.0	N					
IPML-F	0806	0.0	N					
SAM-4/5	0810	0.1	N					
IPML-G	0812	0.1	N					
IPML-H	0814	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/05/024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.2

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.06
	Toluene:	8.94
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0840	0.0	N					
IPML-A	0842	0.0	N					
SAM1.5	0844	0.0	N					
IPML-B	0846	0.0	N					
SAM-2	0848	0.0	N					
SAM-2.5	0850	0.0	N					
IPML-C	0852	0.0	N					
IPML-D	0854	0.0	N					
SAM-3	0856	0.0	N					
IPML-E	0858	0.0	N					
IPML-F	0900	0.1	N					
SAM-4/5	0902	0.1	N					
IPML-G	0904	0.1	N					
IPML-H	0906	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/05/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.2

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.06
	Toluene:	8.94
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	-	-	-					
IPML-A	-	-	-					
SAM1.5	-	-	-					
IPML-B	-	-	-					
SAM-2	-	-	-					
SAM-2.5	-	-	-					
IPML-C	-	-	-					
IPML-D	-	-	-					
SAM-3	-	-	-					
IPML-E	-	-	-					
IPML-F	-	-	-					
SAM-4/5	-	-	-					
IPML-G	-	-	-					
IPML-H	-	-	-					

Additional Comments:	Missed the 0900 hour site walk due to PUF install

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/05/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.2

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.06
	Toluene:	8.94
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1001	0.0	N					
IPML-A	1003	0.0	N					
SAM1.5	1005	0.0	N					
IPML-B	1007	0.0	N					
SAM-2	1009	0.0	N					
SAM-2.5	1011	0.0	N					
IPML-C	1013	0.0	N					
IPML-D	1015	0.0	N					
SAM-3	1017	0.0	N					
IPML-E	1019	0.0	N					
IPML-F	1021	0.0	N					
SAM-4/5	1023	0.0	N					
IPML-G	1025	0.0	N					
IPML-H	1027	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/05/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.2

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.06
	Toluene:	8.94
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1106	0.0	N					
IPML-A	1108	0.0	N					
SAM1.5	1110	0.0	N					
IPML-B	1112	0.0	N					
SAM-2	1114	0.0	N					
SAM-2.5	1116	0.0	N					
IPML-C	1118	0.0	N					
IPML-D	1120	0.0	N					
SAM-3	1122	0.0	N					
IPML-E	1124	0.0	N					
IPML-F	1126	0.0	N					
SAM-4/5	1128	0.0	N					
IPML-G	1130	0.0	N					
IPML-H	1132	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/05/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.2

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.06
	Toluene:	8.94
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1202	0.0	N					
IPML-A	1204	0.0	N					
SAM1.5	1206	0.0	N					
IPML-B	1208	0.0	N					
SAM-2	1210	0.0	N					
SAM-2.5	1212	0.0	N					
IPML-C	1214	0.0	N					
IPML-D	1216	0.0	N					
SAM-3	1218	0.0	N					
IPML-E	1220	0.0	N					
IPML-F	1222	0.0	N					
SAM-4/5	1224	0.0	N					
IPML-G	1226	0.0	N					
IPML-H	1228	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/05/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.2

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.06
	Toluene:	8.94
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1303	0.0	N					
IPML-A	1305	0.0	N					
SAM1.5	1307	0.0	N					
IPML-B	1309	0.0	N					
SAM-2	1311	0.0	N					
SAM-2.5	1313	0.0	N					
IPML-C	1315	0.0	N					
IPML-D	1317	0.0	N					
SAM-3	1319	0.0	N					
IPML-E	1321	0.0	N					
IPML-F	1323	0.0	N					
SAM-4/5	1325	0.0	N					
IPML-G	1327	0.0	N					
IPML-H	1329	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/05/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.2

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.06
	Toluene:	8.94
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1403	0.0	N					
IPML-A	1405	0.0	N					
SAM1.5	1407	0.0	N					
IPML-B	1409	0.0	N					
SAM-2	1411	0.0	N					
SAM-2.5	1413	0.0	N					
IPML-C	1415	0.0	N					
IPML-D	1417	0.0	N					
SAM-3	1419	0.0	N					
IPML-E	1421	0.0	N					
IPML-F	1423	0.0	N					
SAM-4/5	1425	0.0	N					
IPML-G	1427	0.0	N					
IPML-H	1429	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/05/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.2

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	9.06
	Toluene:	8.94
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1505	0.0	N					
IPML-A	1507	0.0	N					
SAM1.5	1509	0.0	N					
IPML-B	1511	0.0	N					
SAM-2	1513	0.0	N					
SAM-2.5	1515	0.0	N					
IPML-C	1517	0.0	N					
IPML-D	1519	0.0	N					
SAM-3	1521	0.0	N					
IPML-E	1523	0.0	N					
IPML-F	1525	0.0	N					
SAM-4/5	1527	0.0	N					
IPML-G	1529	0.0	N					
IPML-H	1531	0.0	N					

Additional Comments:	Las PID site walk of the day @ 1505-1531

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/06/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.3

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.99
	Toluene:	8.74
Calibration (ppm)	Pass/Fail/NA:	Pass

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	175
	PID Span (100 ppm Isobutylene)	150
	Drager GC (10 ppm Isobutylene/Toluene)	200

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0737	0.0	N					
IPML-A	0739	0.0	N					
SAM1.5	0743	0.0	N					
IPML-B	0745	0.0	N					
SAM-2	0750	0.0	N					
SAM-2.5	0754	0.0	N					
IPML-C	0756	0.0	N					
IPML-D	0758	0.0	N					
SAM-3	0803	0.1	N					
IPML-E	0805	0.1	N					
IPML-F	0807	0.1	N					
SAM-4/5	0815	0.1	N					
IPML-G	0817	0.1	N					
IPML-H	0819	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/06/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.3

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.99
	Toluene:	8.74
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0840	0.1	N					
IPML-A	0842	0.1	N					
SAM1.5	0844	0.1	N					
IPML-B	0846	0.1	N					
SAM-2	0848	0.1	N					
SAM-2.5	0850	0.1	N					
IPML-C	0852	0.1	N					
IPML-D	0854	0.1	N					
SAM-3	0856	0.1	N					
IPML-E	0858	0.1	N					
IPML-F	0900	0.1	N					
SAM-4/5	0902	0.1	N					
IPML-G	0904	0.1	N					
IPML-H	0906	0.1	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/06/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.3

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.99
	Toluene:	8.74
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0945	0.1	N					
IPML-A	0947	0.1	N					
SAM1.5	0949	0.1	N					
IPML-B	0951	0.1	N					
SAM-2	0953	0.1	N					
SAM-2.5	0954	0.1	N					
IPML-C	0956	0.1	N					
IPML-D	0958	0.1	N					
SAM-3	1000	0.1	N					
IPML-E	1002	0.1	N					
IPML-F	1004	0.1	N					
SAM-4/5	1006	0.1	N					
IPML-G	1008	0.1	N					
IPML-H	-	-	-					

Additional Comments:	Could not access IMPL H monitoring location due to construction/truck traffic

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/06/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.3

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.99
	Toluene:	8.74
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1033	0.1	N					
IPML-A	1035	0.0	N					
SAM1.5	1037	0.0	N					
IPML-B	1039	0.0	N					
SAM-2	1041	0.0	N					
SAM-2.5	1043	0.0	N					
IPML-C	1045	0.0	N					
IPML-D	1047	0.0	N					
SAM-3	1049	0.0	N					
IPML-E	1051	0.0	N					
IPML-F	1053	0.0	N					
SAM-4/5	1055	0.1	N					
IPML-G	-	-	-					
IPML-H	-	-	-					

Additional Comments:	Could not access monitoring locations IMPL G and IMPL H due to construction//truck traffic

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/06/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.3

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.99
	Toluene:	8.74
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1131	0.0	N					
IPML-A	1133	0.0	N					
SAM1.5	1135	0.0	N					
IPML-B	1137	0.0	N					
SAM-2	1139	0.0	N					
SAM-2.5	1141	0.0	N					
IPML-C	1143	0.0	N					
IPML-D	1145	0.0	N					
SAM-3	1147	0.0	N					
IPML-E	1149	0.0	N					
IPML-F	1151	0.0	N					
SAM-4/5	1153	0.0	N					
IPML-G	1155	0.0	N					
IPML-H	1157	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/06/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.3

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.99
	Toluene:	8.74
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1230	0.0	N					
IPML-A	1232	0.0	N					
SAM1.5	1234	0.0	N					
IPML-B	1236	0.0	N					
SAM-2	1238	0.0	N					
SAM-2.5	1240	0.0	N					
IPML-C	1242	0.0	N					
IPML-D	1244	0.0	N					
SAM-3	1246	0.0	N					
IPML-E	1248	0.0	N					
IPML-F	1250	0.0	N					
SAM-4/5	1252	0.0	N					
IPML-G	1254	0.0	N					
IPML-H	-	-	-					

Additional Comments:	Could not access monitoring location IMPL H due to construction/truck traffic

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/06/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.3

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.99
	Toluene:	8.74
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1332	0.0	N					
IPML-A	1334	0.0	N					
SAM1.5	1336	0.0	N					
IPML-B	1338	0.0	N					
SAM-2	1340	0.0	N					
SAM-2.5	1342	0.0	N					
IPML-C	1344	0.0	N					
IPML-D	1346	0.0	N					
SAM-3	1348	0.0	N					
IPML-E	1350	0.0	N					
IPML-F	1352	0.0	N					
SAM-4/5	1354	0.0	N					
IPML-G	1356	0.0	N					
IPML-H	1358	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/06/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.3

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.99
	Toluene:	8.74
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1430	0.0	N					
IPML-A	1432	0.0	N					
SAM1.5	1434	0.0	N					
IPML-B	1436	0.0	N					
SAM-2	1438	0.0	N					
SAM-2.5	1440	0.0	N					
IPML-C	1442	0.0	N					
IPML-D	1444	0.0	N					
SAM-3	1446	0.0	N					
IPML-E	1448	0.0	N					
IPML-F	1450	0.0	N					
SAM-4/5	1452	0.0	N					
IPML-G	1454	0.0	N					
IPML-H	1456	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/06/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.3

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.99
	Toluene:	8.74
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1510	0.0	N					
IPML-A	1512	0.0	N					
SAM1.5	1514	0.0	N					
IPML-B	1516	0.0	N					
SAM-2	1518	0.0	N					
SAM-2.5	1520	0.0	N					
IPML-C	1522	0.0	N					
IPML-D	1524	0.0	N					
SAM-3	1526	0.0	N					
IPML-E	1528	0.0	N					
IPML-F	1530	0.0	N					
SAM-4/5	1532	0.0	N					
IPML-G	1535	0.0	N					
IPML-H	1537	0.0	N					

Additional Comments:	Last PID site walk of the day @ 1510 - 1537

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/07/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.88
	Toluene:	8.78
Calibration (ppm)	Pass/Fail/NA:	Pass

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	175
	PID Span (100 ppm Isobutylene)	150
	Drager GC (10 ppm Isobutylene/Toluene)	200

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0735	0.1	N					
IPML-A	0737	0.0	N					
SAM1.5	0741	0.0	N					
IPML-B	0743	0.0	N					
SAM-2	0747	0.0	N					
SAM-2.5	0750	0.0	N					
IPML-C	0752	0.0	N					
IPML-D	0754	0.0	N					
SAM-3	0800	0.0	N					
IPML-E	0802	0.0	N					
IPML-F	0804	0.0	N					
SAM-4/5	0809	0.0	N					
IPML-G	0811	0.0	N					
IPML-H	0813	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/07/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.88
	Toluene:	8.78
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0830	0.0	N					
IPML-A	0832	0.0	N					
SAM1.5	0834	0.0	N					
IPML-B	0836	0.0	N					
SAM-2	0838	0.0	N					
SAM-2.5	0840	0.0	N					
IPML-C	0842	0.0	N					
IPML-D	0844	0.0	N					
SAM-3	0846	0.0	N					
IPML-E	0848	0.0	N					
IPML-F	0850	0.0	N					
SAM-4/5	0852	0.0	N					
IPML-G	0854	0.0	N					
IPML-H	-	-	-					

Additional Comments:	Could not access monitoring location IMPL H due to construction/truck traffic

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/07/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.88
	Toluene:	8.78
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0900	0.0	N					
IPML-A	0902	0.0	N					
SAM1.5	0904	0.0	N					
IPML-B	0906	0.0	N					
SAM-2	0908	0.0	N					
SAM-2.5	0910	0.0	N					
IPML-C	0912	0.0	N					
IPML-D	0914	0.0	N					
SAM-3	0916	0.0	N					
IPML-E	0918	0.0	N					
IPML-F	0920	0.0	N					
SAM-4/5	0922	0.0	N					
IPML-G	0924	0.1	N					
IPML-H	-	-	-					

Additional Comments:	Could not access monitoring location IMPL H due to construction/truck traffic

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/07/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.88
	Toluene:	8.78
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1000	0.1	N					
IPML-A	1002	0.1	N					
SAM1.5	1004	0.1	N					
IPML-B	1006	0.0	N					
SAM-2	1008	0.0	N					
SAM-2.5	1010	0.0	N					
IPML-C	1012	0.0	N					
IPML-D	1014	0.0	N					
SAM-3	1016	0.0	N					
IPML-E	1018	0.0	N					
IPML-F	1020	0.0	N					
SAM-4/5	1022	0.0	N					
IPML-G	1024	0.0	N					
IPML-H	-	-	-					

Additional Comments:	Could not access monitoring location IMPL H due to construction/truck traffic

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/07/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.88
	Toluene:	8.78
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1100	0.0	N					
IPML-A	1102	0.0	N					
SAM1.5	1104	0.0	N					
IPML-B	1106	0.0	N					
SAM-2	1108	0.0	N					
SAM-2.5	1110	0.0	N					
IPML-C	1112	0.0	N					
IPML-D	1114	0.0	N					
SAM-3	1116	0.0	N					
IPML-E	1118	0.0	N					
IPML-F	1120	0.0	N					
SAM-4/5	1122	0.0	N					
IPML-G	1124	0.0	N					
IPML-H	-	-	-					

Additional Comments:	Could not access monitoring location IMPL H due to construction/truck traffic

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/07/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.88
	Toluene:	8.78
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1200	0.0	N					
IPML-A	1202	0.0	N					
SAM1.5	1204	0.0	N					
IPML-B	1206	0.0	N					
SAM-2	1208	0.0	N					
SAM-2.5	1210	0.0	N					
IPML-C	1212	0.0	N					
IPML-D	1214	0.0	N					
SAM-3	1216	0.0	N					
IPML-E	1218	0.0	N					
IPML-F	1220	0.0	N					
SAM-4/5	1222	0.0	N					
IPML-G	-	-	-					
IPML-H	-	-	-					

Additional Comments:	Could not access monitoring location IMPL G and IMPL H due to construction/truck traffic

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/07/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.88
	Toluene:	8.78
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1300	0.0	N					
IPML-A	1302	0.0	N					
SAM1.5	1304	0.0	N					
IPML-B	1306	0.0	N					
SAM-2	1308	0.0	N					
SAM-2.5	1310	0.0	N					
IPML-C	1312	0.0	N					
IPML-D	1314	0.0	N					
SAM-3	1316	0.0	N					
IPML-E	1318	0.0	N					
IPML-F	1320	0.0	N					
SAM-4/5	1322	0.0	N					
IPML-G	1324	0.0	N					
IPML-H	-	-	-					

Additional Comments:	Could not access monitoring location IMPL H due to construction/truck traffic

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/07/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.88
	Toluene:	8.78
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1400	0.0	N					
IPML-A	1402	0.0	N					
SAM1.5	1404	0.0	N					
IPML-B	1406	0.0	N					
SAM-2	1408	0.0	N					
SAM-2.5	1410	0.0	N					
IPML-C	1412	0.0	N					
IPML-D	1414	0.0	N					
SAM-3	1416	0.0	N					
IPML-E	1418	0.0	N					
IPML-F	1420	0.0	N					
SAM-4/5	1422	0.0	N					
IPML-G	1424	0.0	N					
IPML-H	-	-	-					

Additional Comments:	Could not access monitoring location IMPL H due to construction/truck traffic

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/07/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.88
	Toluene:	8.78
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1500	0.0	N					
IPML-A	1502	0.0	N					
SAM1.5	1504	0.0	N					
IPML-B	1506	0.0	N					
SAM-2	1508	0.0	N					
SAM-2.5	1510	0.0	N					
IPML-C	1512	0.0	N					
IPML-D	1514	0.0	N					
SAM-3	1516	0.0	N					
IPML-E	1518	0.0	N					
IPML-F	1520	0.0	N					
SAM-4/5	1523	0.0	N					
IPML-G	1525	0.0	N					
IPML-H	-	-	-					

Additional Comments:	Could not access monitoring location IMPL H due to construction/truck traffic. Last PID site walk of the day @ 1500 - 1525.

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/08/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.81
	Toluene:	8.78
Calibration (ppm)	Pass/Fail/NA:	Pass

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	175
	PID Span (100 ppm Isobutylene)	125
	Drager GC (10 ppm Isobutylene/Toluene)	200

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0730	0.0	N					
IPML-A	0736	0.0	N					
SAM1.5	0740	0.0	N					
IPML-B	0742	0.0	N					
SAM-2	0746	0.0	N					
SAM-2.5	0750	0.0	N					
IPML-C	0752	0.0	N					
IPML-D	0754	0.0	N					
SAM-3	0757	0.0	N					
IPML-E	0759	0.0	N					
IPML-F	0801	0.0	N					
SAM-4/5	0806	0.0	N					
IPML-G	0808	0.0	N					
IPML-H	-	-	-					

Additional Comments:	Could not access monitoring location IMPL H due to construction/truck traffic

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/08/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.81
	Toluene:	8.78
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0840	0.0	N					
IPML-A	0842	0.0	N					
SAM1.5	0844	0.0	N					
IPML-B	0846	0.0	N					
SAM-2	0848	0.0	N					
SAM-2.5	0850	0.0	N					
IPML-C	0852	0.0	N					
IPML-D	0854	0.0	N					
SAM-3	0856	0.0	N					
IPML-E	0858	0.0	N					
IPML-F	0900	0.0	N					
SAM-4/5	0902	0.0	N					
IPML-G	0904	0.0	N					
IPML-H	-	-	-					

Additional Comments:	Could not access monitoring location IMPL H due to construction/truck traffic

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/08/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.81
	Toluene:	8.78
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0930	0.0	N					
IPML-A	0932	0.0	N					
SAM1.5	0934	0.0	N					
IPML-B	0936	0.0	N					
SAM-2	0938	0.0	N					
SAM-2.5	0940	0.0	N					
IPML-C	0942	0.0	N					
IPML-D	0944	0.0	N					
SAM-3	0946	0.0	N					
IPML-E	0948	0.0	N					
IPML-F	0950	0.0	N					
SAM-4/5	0952	0.0	N					
IPML-G	0954	0.0	N					
IPML-H	-	-	-					

Additional Comments:	Could not access monitoring location IMPL H due to construction/truck traffic

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/08/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.81
	Toluene:	8.78
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1030	0.0	N					
IPML-A	1032	0.0	N					
SAM1.5	1034	0.0	N					
IPML-B	1036	0.0	N					
SAM-2	1038	0.0	N					
SAM-2.5	1040	0.0	N					
IPML-C	1042	0.0	N					
IPML-D	1044	0.0	N					
SAM-3	1046	0.0	N					
IPML-E	1048	0.0	N					
IPML-F	1050	0.0	N					
SAM-4/5	1052	0.0	N					
IPML-G	1054	0.0	N					
IPML-H	-	-	-					

Additional Comments:	Could not access monitoring location IMPL H due to construction/truck traffic

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/08/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.81
	Toluene:	8.78
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1130	0.0	N					
IPML-A	1132	0.0	N					
SAM1.5	1134	0.0	N					
IPML-B	1136	0.0	N					
SAM-2	1138	0.0	N					
SAM-2.5	1140	0.0	N					
IPML-C	1142	0.0	N					
IPML-D	1144	0.0	N					
SAM-3	1146	0.0	N					
IPML-E	1148	0.0	N					
IPML-F	1150	0.0	N					
SAM-4/5	1152	0.0	N					
IPML-G	1154	0.0	N					
IPML-H	-	-	-					

Additional Comments:	Could not access monitoring location IMPL H due to construction/truck traffic

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/08/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.81
	Toluene:	8.78
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	-	-	-					
IPML-A	-	-	-					
SAM1.5	-	-	-					
IPML-B	-	-	-					
SAM-2	-	-	-					
SAM-2.5	-	-	-					
IPML-C	-	-	-					
IPML-D	-	-	-					
SAM-3	-	-	-					
IPML-E	-	-	-					
IPML-F	-	-	-					
SAM-4/5	-	-	-					
IPML-G	-	-	-					
IPML-H	-	-	-					

Additional Comments:	Missed the 1200 hour PID site walk due to PUF removal/install & inverter swaps

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/08/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.81
	Toluene:	8.78
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1330	0.0	N					
IPML-A	1332	0.0	N					
SAM1.5	1334	0.0	N					
IPML-B	1336	0.0	N					
SAM-2	1338	0.0	N					
SAM-2.5	1340	0.0	N					
IPML-C	1342	0.0	N					
IPML-D	1344	0.0	N					
SAM-3	1346	0.0	N					
IPML-E	1348	0.0	N					
IPML-F	1350	0.0	N					
SAM-4/5	1352	0.0	N					
IPML-G	1354	0.0	N					
IPML-H	-	-	-					

Additional Comments:	Could not access monitoring location IMPL H due to construction/truck traffic

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/08/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.81
	Toluene:	8.78
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1400	0.0	N					
IPML-A	1402	0.0	N					
SAM1.5	1404	0.0	N					
IPML-B	1406	0.0	N					
SAM-2	1408	0.0	N					
SAM-2.5	1410	0.0	N					
IPML-C	1412	0.0	N					
IPML-D	1414	0.0	N					
SAM-3	1416	0.0	N					
IPML-E	1418	0.0	N					
IPML-F	1420	0.0	N					
SAM-4/5	1422	0.0	N					
IPML-G	1424	0.0	N					
IPML-H	1426	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/08/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.81
	Toluene:	8.78
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1503	0.0	N					
IPML-A	1505	0.0	N					
SAM1.5	1507	0.0	N					
IPML-B	1509	0.0	N					
SAM-2	1511	0.0	N					
SAM-2.5	1514	0.0	N					
IPML-C	1516	0.0	N					
IPML-D	1518	0.0	N					
SAM-3	1522	0.0	N					
IPML-E	1524	0.0	N					
IPML-F	1526	0.0	N					
SAM-4/5	1529	0.0	N					
IPML-G	1531	0.0	N					
IPML-H	1533	0.0	N					

Additional Comments:	Last PID site walk of the day @ 1503-1533

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/09/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.66
	Toluene:	8.55
Calibration (ppm)	Pass/Fail/NA:	Pass

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	150
	PID Span (100 ppm Isobutylene)	125
	Drager GC (10 ppm Isobutylene/Toluene)	200

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0729	0.1	N					
IPML-A	0734	0.0	N					
SAM1.5	0738	0.0	N					
IPML-B	0740	0.0	N					
SAM-2	0744	0.0	N					
SAM-2.5	0748	0.0	N					
IPML-C	0750	0.0	N					
IPML-D	0752	0.0	N					
SAM-3	0757	0.0	N					
IPML-E	0759	0.0	N					
IPML-F	0802	0.0	N					
SAM-4/5	0809	0.0	N					
IPML-G	0811	0.0	N					
IPML-H	-	-	-					

Additional Comments:	Could not access monitoring location IMPL H due to construction/truck traffic

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/09/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.66
	Toluene:	8.55
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0835	0.0	N					
IPML-A	0837	0.0	N					
SAM1.5	0839	0.0	N					
IPML-B	0841	0.0	N					
SAM-2	0843	0.0	N					
SAM-2.5	0845	0.0	N					
IPML-C	0847	0.0	N					
IPML-D	0849	0.0	N					
SAM-3	0851	0.0	N					
IPML-E	0853	0.0	N					
IPML-F	0855	0.0	N					
SAM-4/5	0857	0.0	N					
IPML-G	0859	0.0	N					
IPML-H	-	-	-					

Additional Comments:	Could not access monitoring location IMPL H due to construction/truck traffic

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/09/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.66
	Toluene:	8.55
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0930	0.0	N					
IPML-A	0932	0.0	N					
SAM1.5	0934	0.0	N					
IPML-B	0936	0.0	N					
SAM-2	0938	0.0	N					
SAM-2.5	0940	0.0	N					
IPML-C	0942	0.0	N					
IPML-D	0944	0.0	N					
SAM-3	0946	0.0	N					
IPML-E	0948	0.0	N					
IPML-F	0950	0.0	N					
SAM-4/5	0952	0.0	N					
IPML-G	0954	0.0	N					
IPML-H	-	-	-					

Additional Comments:	Could not access monitoring location IMPL H due to construction/truck traffic

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/09/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.66
	Toluene:	8.55
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1030	0.0	N					
IPML-A	1032	0.0	N					
SAM1.5	1034	0.0	N					
IPML-B	1036	0.0	N					
SAM-2	1038	0.0	N					
SAM-2.5	1040	0.0	N					
IPML-C	1042	0.0	N					
IPML-D	1044	0.0	N					
SAM-3	1046	0.0	N					
IPML-E	1048	0.0	N					
IPML-F	1050	0.0	N					
SAM-4/5	1052	0.0	N					
IPML-G	1054	0.0	N					
IPML-H	-	-	-					

Additional Comments:	Could not access monitoring location IMPL H due to construction/truck traffic

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/09/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.66
	Toluene:	8.55
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1130	0.0	N					
IPML-A	1132	0.0	N					
SAM1.5	1134	0.0	N					
IPML-B	1136	0.0	N					
SAM-2	1138	0.0	N					
SAM-2.5	1140	0.0	N					
IPML-C	1142	0.0	N					
IPML-D	1144	0.0	N					
SAM-3	1146	0.0	N					
IPML-E	1148	0.0	N					
IPML-F	1150	0.0	N					
SAM-4/5	1152	0.0	N					
IPML-G	1154	0.0	N					
IPML-H	-	-	-					

Additional Comments:	Could not access monitoring location IMPL H due to construction/truck traffic

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/09/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.66
	Toluene:	8.55
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1230	0.0	N					
IPML-A	1232	0.0	N					
SAM1.5	1234	0.0	N					
IPML-B	1236	0.0	N					
SAM-2	1238	0.0	N					
SAM-2.5	1240	0.0	N					
IPML-C	1242	0.0	N					
IPML-D	1244	0.0	N					
SAM-3	1246	0.0	N					
IPML-E	1248	0.0	N					
IPML-F	1250	0.0	N					
SAM-4/5	1252	0.0	N					
IPML-G	1254	0.0	N					
IPML-H	-	-	-					

Additional Comments:	Could not access monitoring location IMPL H due to construction/truck traffic

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/09/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.66
	Toluene:	8.55
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1330	0.0	N					
IPML-A	1332	0.0	N					
SAM1.5	1334	0.0	N					
IPML-B	1336	0.0	N					
SAM-2	1338	0.0	N					
SAM-2.5	1340	0.0	N					
IPML-C	1342	0.0	N					
IPML-D	1344	0.0	N					
SAM-3	1346	0.0	N					
IPML-E	1348	0.0	N					
IPML-F	1350	0.0	N					
SAM-4/5	1352	0.0	N					
IPML-G	1354	0.0	N					
IPML-H	1356	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/09/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.66
	Toluene:	8.55
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1430	0.0	N					
IPML-A	1432	0.0	N					
SAM1.5	1434	0.0	N					
IPML-B	1436	0.0	N					
SAM-2	1438	0.0	N					
SAM-2.5	1440	0.0	N					
IPML-C	1442	0.0	N					
IPML-D	1444	0.0	N					
SAM-3	1446	0.0	N					
IPML-E	1448	0.0	N					
IPML-F	1450	0.0	N					
SAM-4/5	1452	0.0	N					
IPML-G	1454	0.0	N					
IPML-H	1456	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/09/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.66
	Toluene:	8.55
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1502	0.0	N					
IPML-A	1504	0.0	N					
SAM1.5	1506	0.0	N					
IPML-B	1508	0.0	N					
SAM-2	1510	0.0	N					
SAM-2.5	1512	0.0	N					
IPML-C	1514	0.0	N					
IPML-D	1516	0.0	N					
SAM-3	1518	0.0	N					
IPML-E	1520	0.0	N					
IPML-F	1522	0.0	N					
SAM-4/5	1524	0.0	N					
IPML-G	1526	0.0	N					
IPML-H	1528	0.0	N					

Additional Comments:	Last PID site walk of the day @ 1502-1528

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/10/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.76
	Toluene:	8.47
Calibration (ppm)	Pass/Fail/NA:	Pass

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	150
	PID Span (100 ppm Isobutylene)	125
	Drager GC (10 ppm Isobutylene/Toluene)	200

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	-	-	-					
IPML-A	-	-	-					
SAM1.5	-	-	-					
IPML-B	-	-	-					
SAM-2	-	-	-					
SAM-2.5	-	-	-					
IPML-C	-	-	-					
IPML-D	-	-	-					
SAM-3	-	-	-					
IPML-E	-	-	-					
IPML-F	-	-	-					
SAM-4/5	-	-	-					
IPML-G	-	-	-					
IPML-H	-	-	-					

Additional Comments:	No 0700 PID site walk due to 0800 start time

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/10/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.76
	Toluene:	8.47
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0828	0.0	N					
IPML-A	0832	0.0	N					
SAM1.5	0834	0.0	N					
IPML-B	0838	0.0	N					
SAM-2	0840	0.0	N					
SAM-2.5	0844	0.0	N					
IPML-C	0848	0.0	N					
IPML-D	0850	0.2	N					
SAM-3	0852	0.0	N					
IPML-E	0858	0.0	N					
IPML-F	0900	0.0	N					
SAM-4/5	0902	0.1	N					
IPML-G	-	-	-					
IPML-H	-	-	-					

Additional Comments:	Could not access monitoring locations IMPL G and IMPL H due to construction/truck traffic

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/10/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.76
	Toluene:	8.47
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0933	0.0	N					
IPML-A	0935	0.0	N					
SAM1.5	0937	0.0	N					
IPML-B	0939	0.0	N					
SAM-2	0941	0.0	N					
SAM-2.5	0943	0.0	N					
IPML-C	0945	0.0	N					
IPML-D	0947	0.0	N					
SAM-3	0949	0.0	N					
IPML-E	0951	0.0	N					
IPML-F	0953	0.0	N					
SAM-4/5	0955	0.0	N					
IPML-G	-	-	-					
IPML-H	-	-	-					

Additional Comments:	Could not access monitoring locations IMPL G and IMPL H due to construction/truck traffic

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/10/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.76
	Toluene:	8.47
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1030	0.0	N					
IPML-A	1032	0.0	N					
SAM1.5	1034	0.0	N					
IPML-B	1036	0.0	N					
SAM-2	1038	0.0	N					
SAM-2.5	1040	0.0	N					
IPML-C	1042	0.0	N					
IPML-D	1044	0.0	N					
SAM-3	1046	0.0	N					
IPML-E	1048	0.0	N					
IPML-F	1050	0.0	N					
SAM-4/5	1052	0.0	N					
IPML-G	1054	0.0	N					
IPML-H	-	-	-					

Additional Comments:	Could not access monitoring location IMPL H due to construction/truck traffic

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/10/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.76
	Toluene:	8.47
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1100	0.0	N					
IPML-A	1102	0.0	N					
SAM1.5	1104	0.0	N					
IPML-B	1106	0.0	N					
SAM-2	1108	0.0	N					
SAM-2.5	1110	0.0	N					
IPML-C	1112	0.0	N					
IPML-D	1114	0.0	N					
SAM-3	1116	0.0	N					
IPML-E	1118	0.0	N					
IPML-F	1120	0.0	N					
SAM-4/5	1122	0.0	N					
IPML-G	1124	0.0	N					
IPML-H	1126	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/10/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.76
	Toluene:	8.47
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1200	0.0	N					
IPML-A	1202	0.0	N					
SAM1.5	1204	0.0	N					
IPML-B	1206	0.0	N					
SAM-2	1208	0.0	N					
SAM-2.5	1210	0.0	N					
IPML-C	1212	0.0	N					
IPML-D	1214	0.0	N					
SAM-3	1216	0.0	N					
IPML-E	1218	0.0	N					
IPML-F	1220	0.0	N					
SAM-4/5	1222	0.0	N					
IPML-G	1224	0.0	N					
IPML-H	-	-	-					

Additional Comments:	Could not access monitoring location IMPL H due to construction/truck traffic

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/10/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.76
	Toluene:	8.47
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1302	0.0	N					
IPML-A	1304	0.0	N					
SAM1.5	1306	0.0	N					
IPML-B	1308	0.0	N					
SAM-2	1310	0.0	N					
SAM-2.5	1312	0.0	N					
IPML-C	1314	0.0	N					
IPML-D	-	-	-					
SAM-3	1316	0.0	N					
IPML-E	1318	0.0	N					
IPML-F	1320	0.0	N					
SAM-4/5	1322	0.0	N					
IPML-G	1324	0.0	N					
IPML-H	-	-	-					

Additional Comments:	Could not access monitoring locations IMPL D and IMPL H due to construction/truck traffic

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/10/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.76
	Toluene:	8.47
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1400	0.0	N					
IPML-A	1402	0.0	N					
SAM1.5	1404	0.0	N					
IPML-B	1406	0.0	N					
SAM-2	1408	0.0	N					
SAM-2.5	1410	0.0	N					
IPML-C	1412	0.0	N					
IPML-D	1414	0.0	N					
SAM-3	1416	0.0	N					
IPML-E	1418	0.0	N					
IPML-F	1420	0.0	N					
SAM-4/5	1422	0.0	N					
IPML-G	1424	0.0	N					
IPML-H	-	-	-					

Additional Comments:	Could not access monitoring location IMPL H due to construction/truck traffic

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/10/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.76
	Toluene:	8.47
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1440	0.0	N					
IPML-A	1442	0.0	N					
SAM1.5	1444	0.0	N					
IPML-B	1446	0.0	N					
SAM-2	1448	0.0	N					
SAM-2.5	1450	0.0	N					
IPML-C	1452	0.0	N					
IPML-D	1454	0.0	N					
SAM-3	1456	0.0	N					
IPML-E	1458	0.0	N					
IPML-F	1500	0.0	N					
SAM-4/5	1502	0.0	N					
IPML-G	1504	0.0	N					
IPML-H	1506	0.0	N					

Additional Comments:	Last PID site walk of the day @ 1440-1506

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/12/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.62
	Toluene:	8.55
Calibration (ppm)	Pass/Fail/NA:	Pass

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	150
	PID Span (100 ppm Isobutylene)	125
	Drager GC (10 ppm Isobutylene/Toluene)	200

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0732	0.0	N					
IPML-A	0736	0.0	N					
SAM1.5	0738	0.0	N					
IPML-B	0741	0.0	N					
SAM-2	0744	0.0	N					
SAM-2.5	0747	0.0	N					
IPML-C	0751	0.0	N					
IPML-D	0753	0.0	N					
SAM-3	0755	0.0	N					
IPML-E	0758	0.0	N					
IPML-F	0800	0.0	N					
SAM-4/5	0803	0.0	N					
IPML-G	0806	0.0	N					
IPML-H	0808	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/12/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.62
	Toluene:	8.55
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	-	-	-					
IPML-A	-	-	-					
SAM1.5	-	-	-					
IPML-B	-	-	-					
SAM-2	-	-	-					
SAM-2.5	-	-	-					
IPML-C	-	-	-					
IPML-D	-	-	-					
SAM-3	-	-	-					
IPML-E	-	-	-					
IPML-F	-	-	-					
SAM-4/5	-	-	-					
IPML-G	-	-	-					
IPML-H	-	-	-					

Additional Comments:	Missed the 0800 hour due to PUF installation and SKC pump troubleshooting

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/12/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.62
	Toluene:	8.55
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0914	0.0	N					
IPML-A	0916	0.0	N					
SAM1.5	0918	0.0	N					
IPML-B	0920	0.0	N					
SAM-2	0922	0.0	N					
SAM-2.5	0924	0.0	N					
IPML-C	0926	0.0	N					
IPML-D	0928	0.0	N					
SAM-3	0930	0.0	N					
IPML-E	0932	0.0	N					
IPML-F	0934	0.0	N					
SAM-4/5	0936	0.0	N					
IPML-G	0938	0.0	N					
IPML-H	-	-	-					

Additional Comments:	Could not access monitoring location IMPL H due to construction/truck traffic

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/12/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.62
	Toluene:	8.55
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1030	0.0	N					
IPML-A	1032	0.0	N					
SAM1.5	1034	0.0	N					
IPML-B	1036	0.0	N					
SAM-2	1038	0.0	N					
SAM-2.5	1040	0.0	N					
IPML-C	1042	0.0	N					
IPML-D	1044	0.0	N					
SAM-3	1046	0.0	N					
IPML-E	1048	0.0	N					
IPML-F	1050	0.0	N					
SAM-4/5	1052	0.0	N					
IPML-G	1054	0.0	N					
IPML-H	-	-	-					

Additional Comments:	Could not access monitoring location IMPL H due to construction/truck traffic

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/12/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.62
	Toluene:	8.55
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1100	0.0	N					
IPML-A	1102	0.0	N					
SAM1.5	1104	0.0	N					
IPML-B	1106	0.0	N					
SAM-2	1108	0.0	N					
SAM-2.5	1110	0.0	N					
IPML-C	1112	0.0	N					
IPML-D	1114	0.0	N					
SAM-3	1116	0.0	N					
IPML-E	1118	0.0	N					
IPML-F	1120	0.0	N					
SAM-4/5	1122	0.0	N					
IPML-G	1124	0.0	N					
IPML-H	-	-	-					

Additional Comments:	Could not access monitoring location IMPL H due to construction/truck traffic

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/12/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.62
	Toluene:	8.55
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1200	0.0	N					
IPML-A	1202	0.0	N					
SAM1.5	1204	0.0	N					
IPML-B	1206	0.0	N					
SAM-2	1208	0.0	N					
SAM-2.5	1210	0.0	N					
IPML-C	1212	0.0	N					
IPML-D	1214	0.0	N					
SAM-3	1216	0.0	N					
IPML-E	1218	0.0	N					
IPML-F	1220	0.0	N					
SAM-4/5	1222	0.0	N					
IPML-G	1224	0.0	N					
IPML-H	-	-	-					

Additional Comments:	Could not access monitoring location IMPL H due to construction/truck traffic

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/12/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.62
	Toluene:	8.55
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1300	0.0	N					
IPML-A	1302	0.0	N					
SAM1.5	1304	0.0	N					
IPML-B	1306	0.0	N					
SAM-2	1308	0.0	N					
SAM-2.5	1310	0.0	N					
IPML-C	1312	0.0	N					
IPML-D	1314	0.0	N					
SAM-3	1316	0.0	N					
IPML-E	1318	0.0	N					
IPML-F	1320	0.0	N					
SAM-4/5	1322	0.0	N					
IPML-G	1324	0.0	N					
IPML-H	-	-	-					

Additional Comments:	Could not access monitoring location IMPL H due to construction/truck traffic

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/12/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.62
	Toluene:	8.55
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1400	0.0	N					
IPML-A	1402	0.0	N					
SAM1.5	1404	0.0	N					
IPML-B	1406	0.0	N					
SAM-2	1408	0.0	N					
SAM-2.5	1410	0.0	N					
IPML-C	1412	0.0	N					
IPML-D	1414	0.0	N					
SAM-3	1416	0.0	N					
IPML-E	1418	0.0	N					
IPML-F	1420	0.0	N					
SAM-4/5	1422	0.0	N					
IPML-G	1424	0.0	N					
IPML-H	-	-	-					

Additional Comments:	Could not access monitoring location IMPL H due to construction/truck traffic

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/12/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.62
	Toluene:	8.55
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1500	0.0	N					
IPML-A	1507	0.0	N					
SAM1.5	1509	0.0	N					
IPML-B	1511	0.0	N					
SAM-2	1514	0.0	N					
SAM-2.5	1517	0.0	N					
IPML-C	1519	0.0	N					
IPML-D	1521	0.0	N					
SAM-3	1523	0.0	N					
IPML-E	1525	0.0	N					
IPML-F	1527	0.0	N					
SAM-4/5	1530	0.0	N					
IPML-G	1532	0.0	N					
IPML-H	1534	0.0	N					

Additional Comments:	Last PID site walk of the day @ 1500-1534

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/13/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.65
	Toluene:	8.47
Calibration (ppm)	Pass/Fail/NA:	Pass

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	150
	PID Span (100 ppm Isobutylene)	125
	Drager GC (10 ppm Isobutylene/Toluene)	200

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0732	0.0	N					
IPML-A	0735	0.0	N					
SAM1.5	0737	0.0	N					
IPML-B	0740	0.0	N					
SAM-2	0742	0.0	N					
SAM-2.5	0745	0.0	N					
IPML-C	0748	0.0	N					
IPML-D	0750	0.0	N					
SAM-3	0752	0.0	N					
IPML-E	0755	0.0	N					
IPML-F	0757	0.0	N					
SAM-4/5	0800	0.0	N					
IPML-G	0804	0.0	N					
IPML-H	0806	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/13/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.65
	Toluene:	8.47
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0826	0.0	N					
IPML-A	0828	0.0	N					
SAM1.5	0830	0.0	N					
IPML-B	0832	0.0	N					
SAM-2	0834	0.0	N					
SAM-2.5	0836	0.0	N					
IPML-C	0838	0.0	N					
IPML-D	0840	0.0	N					
SAM-3	0842	0.0	N					
IPML-E	0844	0.0	N					
IPML-F	0846	0.0	N					
SAM-4/5	0848	0.0	N					
IPML-G	0850	0.0	N					
IPML-H	0852	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/13/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.65
	Toluene:	8.47
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0929	0.0	N					
IPML-A	0931	0.0	N					
SAM1.5	0933	0.0	N					
IPML-B	0935	0.0	N					
SAM-2	0937	0.0	N					
SAM-2.5	0939	0.0	N					
IPML-C	0941	0.0	N					
IPML-D	0943	0.0	N					
SAM-3	0945	0.0	N					
IPML-E	0947	0.0	N					
IPML-F	0949	0.0	N					
SAM-4/5	0951	0.0	N					
IPML-G	0953	0.0	N					
IPML-H	-	-	-					

Additional Comments:	Could not access monitoring location IMPL H due to construction/truck traffic

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/13/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.65
	Toluene:	8.47
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1032	0.0	N					
IPML-A	1034	0.0	N					
SAM1.5	1036	0.0	N					
IPML-B	1038	0.0	N					
SAM-2	1040	0.0	N					
SAM-2.5	1042	0.0	N					
IPML-C	1044	0.0	N					
IPML-D	1046	0.0	N					
SAM-3	1048	0.0	N					
IPML-E	1050	0.0	N					
IPML-F	1052	0.0	N					
SAM-4/5	1054	0.0	N					
IPML-G	1056	0.0	N					
IPML-H	-	-	-					

Additional Comments:	Could not access monitoring location IMPL H due to construction/truck traffic

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/13/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.65
	Toluene:	8.47
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1132	0.0	N					
IPML-A	1134	0.0	N					
SAM1.5	1136	0.0	N					
IPML-B	1138	0.0	N					
SAM-2	1140	0.0	N					
SAM-2.5	1142	0.0	N					
IPML-C	1144	0.0	N					
IPML-D	1146	0.0	N					
SAM-3	1148	0.0	N					
IPML-E	1150	0.0	N					
IPML-F	1152	0.0	N					
SAM-4/5	1154	0.0	N					
IPML-G	1156	0.0	N					
IPML-H	-	-	-					

Additional Comments:	Could not access monitoring location IMPL H due to construction/truck traffic

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/13/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.65
	Toluene:	8.47
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1226	0.0	N					
IPML-A	1228	0.0	N					
SAM1.5	1230	0.0	N					
IPML-B	1232	0.0	N					
SAM-2	1234	0.0	N					
SAM-2.5	1236	0.0	N					
IPML-C	1238	0.0	N					
IPML-D	1240	0.0	N					
SAM-3	1242	0.0	N					
IPML-E	1244	0.0	N					
IPML-F	1246	0.0	N					
SAM-4/5	1248	0.0	N					
IPML-G	1250	0.0	N					
IPML-H	-	-	-					

Additional Comments:	Could not access monitoring location IMPL H due to construction/truck traffic

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/13/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.65
	Toluene:	8.47
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	-	-	-					
IPML-A	-	-	-					
SAM1.5	-	-	-					
IPML-B	-	-	-					
SAM-2	-	-	-					
SAM-2.5	-	-	-					
IPML-C	-	-	-					
IPML-D	-	-	-					
SAM-3	-	-	-					
IPML-E	-	-	-					
IPML-F	-	-	-					
SAM-4/5	-	-	-					
IPML-G	-	-	-					
IPML-H	-	-	-					

Additional Comments:	Missed the 1300 hour PID site walk due to passive samples removal/install

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/13/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.65
	Toluene:	8.47
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1410	0.0	N					
IPML-A	1412	0.0	N					
SAM1.5	1414	0.0	N					
IPML-B	1416	0.0	N					
SAM-2	1418	0.0	N					
SAM-2.5	1420	0.0	N					
IPML-C	1422	0.0	N					
IPML-D	1424	0.0	N					
SAM-3	1426	0.0	N					
IPML-E	1428	0.0	N					
IPML-F	1430	0.0	N					
SAM-4/5	1432	0.0	N					
IPML-G	1434	0.0	N					
IPML-H	-	-	-					

Additional Comments:	Could not access monitoring location IMPL H due to construction/truck traffic

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/13/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.65
	Toluene:	8.47
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1525	0.0	N					
IPML-A	1527	0.0	N					
SAM1.5	1529	0.0	N					
IPML-B	1531	0.0	N					
SAM-2	1533	0.0	N					
SAM-2.5	1535	0.0	N					
IPML-C	1537	0.0	N					
IPML-D	1539	0.0	N					
SAM-3	1541	0.0	N					
IPML-E	1543	0.0	N					
IPML-F	1545	0.0	N					
SAM-4/5	1547	0.0	N					
IPML-G	1549	0.0	N					
IPML-H	1551	0.0	N					

Additional Comments:	Last PID site walk @ 1525-1551

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/14/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.60
	Toluene:	8.52
Calibration (ppm)	Pass/Fail/NA:	Pass

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	125
	PID Span (100 ppm Isobutylene)	100
	Drager GC (10 ppm Isobutylene/Toluene)	100

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0742							
IPML-A	0746							
SAM1.5	0748							
IPML-B	0752							
SAM-2	0754							
SAM-2.5	0758							
IPML-C	0800							
IPML-D	0802							
SAM-3	0804							
IPML-E	0808							
IPML-F	0810							
SAM-4/5	0812							
IPML-G	-	-	-					
IPML-H	-	-	-					

Additional Comments:	Could not access monitoring locations IMPL G and IMPL H due to construction/truck traffic

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/14/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.60
	Toluene:	8.52
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0830	0.0	N					
IPML-A	0832	0.0	N					
SAM1.5	0834	0.0	N					
IPML-B	0836	0.0	N					
SAM-2	0838	0.0	N					
SAM-2.5	0840	0.0	N					
IPML-C	0842	0.0	N					
IPML-D	0844	0.0	N					
SAM-3	0846	0.0	N					
IPML-E	0848	0.0	N					
IPML-F	0850	0.0	N					
SAM-4/5	0852	0.0	N					
IPML-G	0854	0.0	N					
IPML-H	-	-	-					

Additional Comments:	Could not access monitoring location IMPL H due to construction/truck traffic

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/14/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.60
	Toluene:	8.52
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0900	0.0	N					
IPML-A	0902	0.0	N					
SAM1.5	0904	0.0	N					
IPML-B	0906	0.0	N					
SAM-2	0908	0.0	N					
SAM-2.5	0910	0.0	N					
IPML-C	0912	0.0	N					
IPML-D	0914	0.0	N					
SAM-3	0916	0.0	N					
IPML-E	0918	0.0	N					
IPML-F	0920	0.0	N					
SAM-4/5	0922	0.0	N					
IPML-G	0924	0.0	N					
IPML-H	0926	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/14/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.60
	Toluene:	8.52
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1004	0.0	N					
IPML-A	1006	0.0	N					
SAM1.5	1008	0.0	N					
IPML-B	1010	0.0	N					
SAM-2	1012	0.0	N					
SAM-2.5	1014	0.0	N					
IPML-C	1016	0.0	N					
IPML-D	1018	0.0	N					
SAM-3	1020	0.0	N					
IPML-E	1022	0.0	N					
IPML-F	1024	0.0	N					
SAM-4/5	1026	0.0	N					
IPML-G	1028	0.0	N					
IPML-H	-	-	-					

Additional Comments:	Could not access monitoring location IMPL H due to construction/truck traffic

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/14/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.60
	Toluene:	8.52
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1100	0.0	N					
IPML-A	1102	0.0	N					
SAM1.5	1118	0.0	N					
IPML-B	1120	0.0	N					
SAM-2	1122	0.0	N					
SAM-2.5	1124	0.0	N					
IPML-C	1126	0.0	N					
IPML-D	1128	0.0	N					
SAM-3	1130	0.0	N					
IPML-E	1132	0.0	N					
IPML-F	1134	0.0	N					
SAM-4/5	1136	0.0	N					
IPML-G	1138	0.0	N					
IPML-H	-	-	-					

Additional Comments:	Could not access monitoring location IMPL H due to construction/truck traffic

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/14/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.60
	Toluene:	8.52
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1222	0.0	N					
IPML-A	1224	0.0	N					
SAM1.5	1226	0.0	N					
IPML-B	1228	0.0	N					
SAM-2	1230	0.0	N					
SAM-2.5	1232	0.0	N					
IPML-C	1234	0.0	N					
IPML-D	1236	0.0	N					
SAM-3	1238	0.0	N					
IPML-E	1240	0.0	N					
IPML-F	-	-	-					
SAM-4/5	-	-	-					
IPML-G	-	-	-					
IPML-H	-	-	-					

Additional Comments:	Locations IMPL F, SAM 4/5, IMPL G, and IMPL H were not monitored due to site wide stand down

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/14/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.60
	Toluene:	8.52
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1329	0.0	N					
IPML-A	1331	0.0	N					
SAM1.5	1333	0.0	N					
IPML-B	1335	0.0	N					
SAM-2	1337	0.0	N					
SAM-2.5	1339	0.0	N					
IPML-C	1341	0.0	N					
IPML-D	1343	0.0	N					
SAM-3	1345	0.0	N					
IPML-E	1347	0.0	N					
IPML-F	1349	0.0	N					
SAM-4/5	1351	0.0	N					
IPML-G	1353	0.0	N					
IPML-H	-	-	-					

Additional Comments:	Could not access monitoring location IMPL H due to construction/truck traffic

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/14/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.60
	Toluene:	8.52
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1428	0.0	N					
IPML-A	1430	0.0	N					
SAM1.5	1432	0.0	N					
IPML-B	1434	0.0	N					
SAM-2	1436	0.0	N					
SAM-2.5	1438	0.0	N					
IPML-C	1440	0.0	N					
IPML-D	1442	0.0	N					
SAM-3	1444	0.0	N					
IPML-E	1446	0.0	N					
IPML-F	1448	0.0	N					
SAM-4/5	1450	0.0	N					
IPML-G	1452	0.0	N					
IPML-H	1454	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/14/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.60
	Toluene:	8.52
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1515	0.0	N					
IPML-A	1517	0.0	N					
SAM1.5	1519	0.0	N					
IPML-B	1521	0.0	N					
SAM-2	1523	0.0	N					
SAM-2.5	1525	0.0	N					
IPML-C	1527	0.0	N					
IPML-D	1529	0.0	N					
SAM-3	1531	0.0	N					
IPML-E	1533	0.0	N					
IPML-F	1535	0.0	N					
SAM-4/5	1537	0.0	N					
IPML-G	1539	0.0	N					
IPML-H	1541	0.0	N					

Additional Comments:	Last PID site walk of the day @ 1515-1541

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/15/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.36
	Toluene:	8.42
Calibration (ppm)	Pass/Fail/NA:	Pass

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	125
	PID Span (100 ppm Isobutylene)	100
	Drager GC (10 ppm Isobutylene/Toluene)	100

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0732	0.0	N					
IPML-A	0742	0.0	N					
SAM1.5	0744	0.0	N					
IPML-B	0746	0.0	N					
SAM-2	0749	0.0	N					
SAM-2.5	0753	0.0	N					
IPML-C	0757	0.0	N					
IPML-D	0759	0.0	N					
SAM-3	0801	0.0	N					
IPML-E	0805	0.0	N					
IPML-F	0807	0.0	N					
SAM-4/5	0809	0.0	N					
IPML-G	0813	0.0	N					
IPML-H	0815	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/15/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.36
	Toluene:	8.42
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0830	0.0	N					
IPML-A	0832	0.0	N					
SAM1.5	0834	0.0	N					
IPML-B	0836	0.0	N					
SAM-2	0838	0.0	N					
SAM-2.5	0840	0.0	N					
IPML-C	0842	0.0	N					
IPML-D	0844	0.0	N					
SAM-3	0846	0.0	N					
IPML-E	0848	0.0	N					
IPML-F	0850	0.0	N					
SAM-4/5	0852	0.0	N					
IPML-G	0854	0.0	N					
IPML-H	0856	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/15/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.36
	Toluene:	8.42
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	-	-	-					
IPML-A	-	-	-					
SAM1.5	-	-	-					
IPML-B	-	-	-					
SAM-2	-	-	-					
SAM-2.5	-	-	-					
IPML-C	-	-	-					
IPML-D	-	-	-					
SAM-3	-	-	-					
IPML-E	-	-	-					
IPML-F	-	-	-					
SAM-4/5	-	-	-					
IPML-G	-	-	-					
IPML-H	-	-	-					

Additional Comments:	Missed the 0900 PID site walk due to PUF removal/install

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/15/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.36
	Toluene:	8.42
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1030	0.0	N					
IPML-A	1032	0.0	N					
SAM1.5	1034	0.0	N					
IPML-B	1036	0.0	N					
SAM-2	1038	0.0	N					
SAM-2.5	1040	0.0	N					
IPML-C	1042	0.0	N					
IPML-D	1044	0.0	N					
SAM-3	1046	0.0	N					
IPML-E	1048	0.0	N					
IPML-F	1050	0.0	N					
SAM-4/5	1052	0.0	N					
IPML-G	1054	0.0	N					
IPML-H	1056	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/15/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.36
	Toluene:	8.42
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1130	0.0	N					
IPML-A	1132	0.0	N					
SAM1.5	1134	0.0	N					
IPML-B	1136	0.0	N					
SAM-2	1138	0.0	N					
SAM-2.5	1140	0.0	N					
IPML-C	1142	0.0	N					
IPML-D	1144	0.0	N					
SAM-3	1146	0.0	N					
IPML-E	1148	0.0	N					
IPML-F	1150	0.0	N					
SAM-4/5	1152	0.0	N					
IPML-G	1154	0.0	N					
IPML-H	1156	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/15/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.36
	Toluene:	8.42
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1230	0.0	N					
IPML-A	1232	0.0	N					
SAM1.5	1234	0.0	N					
IPML-B	1236	0.0	N					
SAM-2	1238	0.0	N					
SAM-2.5	1240	0.0	N					
IPML-C	1242	0.0	N					
IPML-D	1244	0.0	N					
SAM-3	1246	0.0	N					
IPML-E	1248	0.0	N					
IPML-F	1250	0.0	N					
SAM-4/5	1252	0.0	N					
IPML-G	1254	0.0	N					
IPML-H	1256	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/15/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.36
	Toluene:	8.42
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1330	0.0	N					
IPML-A	1332	0.0	N					
SAM1.5	1334	0.0	N					
IPML-B	1336	0.0	N					
SAM-2	1338	0.0	N					
SAM-2.5	1340	0.0	N					
IPML-C	1342	0.0	N					
IPML-D	1344	0.0	N					
SAM-3	1346	0.0	N					
IPML-E	1348	0.0	N					
IPML-F	1350	0.0	N					
SAM-4/5	1352	0.0	N					
IPML-G	1354	0.0	N					
IPML-H	1356	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/15/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.36
	Toluene:	8.42
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1433	0.0	N					
IPML-A	1435	0.0	N					
SAM1.5	1437	0.0	N					
IPML-B	1439	0.0	N					
SAM-2	1441	0.0	N					
SAM-2.5	1443	0.0	N					
IPML-C	1445	0.0	N					
IPML-D	1447	0.0	N					
SAM-3	1449	0.0	N					
IPML-E	1451	0.0	N					
IPML-F	1453	0.0	N					
SAM-4/5	1455	0.0	N					
IPML-G	1457	0.0	N					
IPML-H	1459	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/15/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.36
	Toluene:	8.42
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1512	0.0	N					
IPML-A	1514	0.0	N					
SAM1.5	1516	0.0	N					
IPML-B	1518	0.0	N					
SAM-2	1520	0.0	N					
SAM-2.5	1522	0.0	N					
IPML-C	1524	0.0	N					
IPML-D	1526	0.0	N					
SAM-3	1528	0.0	N					
IPML-E	1530	0.0	N					
IPML-F	1532	0.0	N					
SAM-4/5	1534	0.0	N					
IPML-G	1536	0.0	N					
IPML-H	1538	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/15/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.36
	Toluene:	8.42
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1600	0.0	N					
IPML-A	1602	0.0	N					
SAM1.5	1604	0.0	N					
IPML-B	1606	0.0	N					
SAM-2	1608	0.0	N					
SAM-2.5	1610	0.0	N					
IPML-C	1612	0.0	N					
IPML-D	1614	0.0	N					
SAM-3	1616	0.0	N					
IPML-E	1618	0.0	N					
IPML-F	1620	0.0	N					
SAM-4/5	1622	0.0	N					
IPML-G	1624	0.0	N					
IPML-H	1626	0.0	N					

Additional Comments:	Last PID site walk of the day @ 1600-1626

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/16/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.44
	Toluene:	8.50
Calibration (ppm)	Pass/Fail/NA:	Pass

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	125
	PID Span (100 ppm Isobutylene)	100
	Drager GC (10 ppm Isobutylene/Toluene)	100

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0730	0.0	N					
IPML-A	0733	0.0	N					
SAM1.5	0735	0.0	N					
IPML-B	0738	0.0	N					
SAM-2	0741	0.0	N					
SAM-2.5	0744	0.0	N					
IPML-C	-	-	-					
IPML-D	-	-	-					
SAM-3	0753	0.0	N					
IPML-E	0755	0.0	N					
IPML-F	0757	0.0	N					
SAM-4/5	0802	0.0	N					
IPML-G	0807	0.0	N					
IPML-H	0808	0.0	N					

Additional Comments:	Could not access monitoring locations IPML C and IMPL D due to slick conditions on liner

Safety Observation/Suggestion:	

At the end of the day:

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2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/16/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.44
	Toluene:	8.50
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0830	0.0	N					
IPML-A	0832	0.0	N					
SAM1.5	0834	0.0	N					
IPML-B	0836	0.0	N					
SAM-2	0838	0.0	N					
SAM-2.5	0840	0.0	N					
IPML-C	-	-	-					
IPML-D	-	-	-					
SAM-3	0846	0.0	N					
IPML-E	0848	0.0	N					
IPML-F	0850	0.0	N					
SAM-4/5	0852	0.0	N					
IPML-G	0854	0.0	N					
IPML-H	0856	0.0	N					

Additional Comments:	Could not access monitoring locations IPML C and IMPL D due to slick conditions on liner

Safety Observation/Suggestion:	

At the end of the day:

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2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/16/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.44
	Toluene:	8.50
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0900	0.0	N					
IPML-A	0902	0.0	N					
SAM1.5	0904	0.0	N					
IPML-B	0906	0.0	N					
SAM-2	0908	0.0	N					
SAM-2.5	0910	0.0	N					
IPML-C	-	-	-					
IPML-D	-	-	-					
SAM-3	0916	0.0	N					
IPML-E	0918	0.0	N					
IPML-F	0920	0.0	N					
SAM-4/5	0922	0.0	N					
IPML-G	0924	0.0	N					
IPML-H	0926	0.0	N					

Additional Comments:	Could not access monitoring locations IPML C and IMPL D due to slick conditions on liner

Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 02/16/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.44
	Toluene:	8.50
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1000	0.0	N					
IPML-A	1002	0.0	N					
SAM1.5	1004	0.0	N					
IPML-B	1006	0.0	N					
SAM-2	1008	0.0	N					
SAM-2.5	1010	0.0	N					
IPML-C	-	-	-					
IPML-D	-	-	-					
SAM-3	1016	0.0	N					
IPML-E	1018	0.0	N					
IPML-F	1020	0.0	N					
SAM-4/5	1022	0.0	N					
IPML-G	1024	0.0	N					
IPML-H	1026	0.0	N					

Additional Comments:	Could not access monitoring locations IPML C and IMPL D due to slick conditions on liner

Safety Observation/Suggestion:	

At the end of the day:

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2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/16/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.44
	Toluene:	8.50
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1100	0.0	N					
IPML-A	1102	0.0	N					
SAM1.5	1104	0.0	Y	Faint hydrocarbon-like odor (Post-ISS coring in Area 1 occuring nearby)				
IPML-B	1106	0.0	N					
SAM-2	1108	0.0	N					
SAM-2.5	1110	0.0	N					
IPML-C	-	-	-					
IPML-D	-	-	-					
SAM-3	1116	0.0	N					
IPML-E	1118	0.0	N					
IPML-F	1120	0.0	N					
SAM-4/5	1122	0.0	N					
IPML-G	1124	0.0	N					
IPML-H	1126	0.0	N					

Additional Comments:	Could not access monitoring locations IPML C and IMPL D due to slick conditions on liner

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 02/16/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.44
	Toluene:	8.50
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1200	0.0	N					
IPML-A	1202	0.0	N					
SAM1.5	1204	0.0	N					
IPML-B	1206	0.0	N					
SAM-2	1208	0.0	N					
SAM-2.5	1210	0.0	N					
IPML-C	-	-	-					
IPML-D	-	-	-					
SAM-3	1216	0.0	N					
IPML-E	1218	0.0	N					
IPML-F	1220	0.0	N					
SAM-4/5	1222	0.0	N					
IPML-G	1224	0.0	N					
IPML-H	1226	0.0	N					

Additional Comments:	Could not access monitoring locations IPML C and IMPL D due to slick conditions on liner

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/16/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.44
	Toluene:	8.50
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1300	0.0	N					
IPML-A	1302	0.0	N					
SAM1.5	1304	0.0	N					
IPML-B	1306	0.0	N					
SAM-2	1308	0.0	N					
SAM-2.5	1310	0.0	N					
IPML-C	-	-	-					
IPML-D	-	-	-					
SAM-3	1316	0.0	N					
IPML-E	1318	0.0	N					
IPML-F	1320	0.0	N					
SAM-4/5	1322	0.0	N					
IPML-G	1324	0.0	N					
IPML-H	1326	0.0	N					

Additional Comments:	Could not access monitoring locations IPML C and IMPL D due to slick conditions on liner

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/16/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.44
	Toluene:	8.50
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1400	0.0	N					
IPML-A	1402	0.0	N					
SAM1.5	1404	0.0	N					
IPML-B	1406	0.0	N					
SAM-2	1408	0.0	N					
SAM-2.5	1410	0.0	N					
IPML-C	-	-	-					
IPML-D	-	-	-					
SAM-3	1416	0.0	N					
IPML-E	1418	0.0	N					
IPML-F	1420	0.0	N					
SAM-4/5	1422	0.0	N					
IPML-G	1424	0.0	N					
IPML-H	1426	0.0	N					

Additional Comments:	Could not access monitoring locations IPML C and IMPL D due to slick conditions on liner

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/16/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.44
	Toluene:	8.50
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1500	0.0	N					
IPML-A	1502	0.0	N					
SAM1.5	1504	0.0	N					
IPML-B	1506	0.0	N					
SAM-2	1508	0.0	N					
SAM-2.5	1510	0.0	N					
IPML-C	-	-	-					
IPML-D	-	-	-					
SAM-3	1516	0.0	N					
IPML-E	1518	0.0	N					
IPML-F	1520	0.0	N					
SAM-4/5	1522	0.1	N					
IPML-G	1524	0.1	N					
IPML-H	1526	0.1	N					

Additional Comments:	Could not access monitoring locations IPML C and IMPL D due to slick conditions on liner & Last PID site walk of the day @ 1500-1526

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/17/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.41
	Toluene:	8.51
Calibration (ppm)	Pass/Fail/NA:	Pass

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	125
	PID Span (100 ppm Isobutylene)	100
	Drager GC (10 ppm Isobutylene/Toluene)	100

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0738	0.0	N					
IPML-A	0742	0.0	N					
SAM1.5	0744	0.0	N					
IPML-B	0746	0.0	N					
SAM-2	0748	0.0	N					
SAM-2.5	0750	0.0	N					
IPML-C	-	-	-					
IPML-D	-	-	-					
SAM-3	0756	0.0	N					
IPML-E	0800	0.0	N					
IPML-F	0802	0.0	N					
SAM-4/5	0804	0.1	N					
IPML-G	0810	0.1	N					
IPML-H	0812	0.1	N					

Additional Comments:	Could not acces monitoring locations IMPL C and IMPL D due to slick conditions on liner

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/17/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.41
	Toluene:	8.51
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0830	0.0	N					
IPML-A	0832	0.0	N					
SAM1.5	0834	0.0	N					
IPML-B	0836	0.0	N					
SAM-2	0838	0.0	N					
SAM-2.5	0840	0.0	N					
IPML-C	-	-	-					
IPML-D	-	-	-					
SAM-3	0846	0.0	N					
IPML-E	0848	0.0	N					
IPML-F	0850	0.0	N					
SAM-4/5	0852	0.0	N					
IPML-G	0854	0.0	N					
IPML-H	0856	0.0	N					

Additional Comments:	Could not acces monitoring locations IMPL C and IMPL D due to slick conditions on liner

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/17/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.41
	Toluene:	8.51
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0900	0.0	N					
IPML-A	0902	0.0	N					
SAM1.5	0904	0.0	N					
IPML-B	0906	0.0	N					
SAM-2	0908	0.0	N					
SAM-2.5	0910	0.0	N					
IPML-C	-	-	-					
IPML-D	-	-	-					
SAM-3	0916	0.0	N					
IPML-E	0918	0.0	N					
IPML-F	0920	0.0	N					
SAM-4/5	0922	0.0	N					
IPML-G	0924	0.0	N					
IPML-H	0926	0.0	N					

Additional Comments:	Could not acces monitoring locations IMPL C and IMPL D due to slick conditions on liner

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/17/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.41
	Toluene:	8.51
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1000	0.0	N					
IPML-A	1002	0.0	N					
SAM1.5	1004	0.0	N					
IPML-B	1006	0.0	N					
SAM-2	1008	0.0	N					
SAM-2.5	1010	0.0	N					
IPML-C	-	-	-					
IPML-D	-	-	-					
SAM-3	1016	0.0	N					
IPML-E	1018	0.0	N					
IPML-F	1020	0.0	N					
SAM-4/5	1022	0.0	N					
IPML-G	1024	0.0	N					
IPML-H	1026	0.0	N					

Additional Comments:	Could not acces monitoring locations IMPL C and IMPL D due to slick conditions on liner

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/17/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.41
	Toluene:	8.51
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1100	0.0	N					
IPML-A	1102	0.0	N					
SAM1.5	1104	0.0	N					
IPML-B	1106	0.0	N					
SAM-2	1108	0.0	N					
SAM-2.5	1110	0.0	N					
IPML-C	-	-	-					
IPML-D	-	-	-					
SAM-3	1116	0.0	N					
IPML-E	1118	0.0	N					
IPML-F	1120	0.0	N					
SAM-4/5	1122	0.0	N					
IPML-G	1124	0.0	N					
IPML-H	1126	0.0	N					

Additional Comments:	Could not acces monitoring locations IMPL C and IMPL D due to slick conditions on liner

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/17/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.41
	Toluene:	8.51
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1200	0.0	N					
IPML-A	1202	0.0	N					
SAM1.5	1204	0.0	N					
IPML-B	1206	0.0	N					
SAM-2	1208	0.0	N					
SAM-2.5	1210	0.0	N					
IPML-C	-	-	-					
IPML-D	-	-	-					
SAM-3	1216	0.0	N					
IPML-E	1218	0.0	N					
IPML-F	1220	0.0	N					
SAM-4/5	1222	0.0	N					
IPML-G	1224	0.0	N					
IPML-H	1226	0.0	N					

Additional Comments:	Could not acces monitoring locations IMPL C and IMPL D due to slick conditions on liner

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/17/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.41
	Toluene:	8.51
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1300	0.0	N					
IPML-A	1302	0.0	N					
SAM1.5	1304	0.0	N					
IPML-B	1306	0.0	N					
SAM-2	1308	0.0	N					
SAM-2.5	1310	0.0	N					
IPML-C	-	-	-					
IPML-D	-	-	-					
SAM-3	1316	0.0	N					
IPML-E	1318	0.0	N					
IPML-F	1320	0.0	N					
SAM-4/5	1322	0.0	N					
IPML-G	1324	0.0	N					
IPML-H	1326	0.0	N					

Additional Comments:	Could not acces monitoring locations IMPL C and IMPL D due to slick conditions on liner

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/17/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.41
	Toluene:	8.51
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1400	0.0	N					
IPML-A	1402	0.0	N					
SAM1.5	1404	0.0	N					
IPML-B	1406	0.0	N					
SAM-2	1408	0.0	N					
SAM-2.5	1410	0.0	N					
IPML-C	-	-	-					
IPML-D	-	-	-					
SAM-3	1416	0.0	N					
IPML-E	1418	0.0	N					
IPML-F	1420	0.0	N					
SAM-4/5	1422	0.0	N					
IPML-G	1424	0.0	N					
IPML-H	1426	0.0	N					

Additional Comments:	Could not acces monitoring locations IMPL C and IMPL D due to slick conditions on liner

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/17/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.41
	Toluene:	8.51
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1502	0.0	N					
IPML-A	1504	0.0	N					
SAM1.5	1506	0.0	N					
IPML-B	1508	0.0	N					
SAM-2	1510	0.0	N					
SAM-2.5	1512	0.0	N					
IPML-C	-	-	-					
IPML-D	-	-	-					
SAM-3	1516	0.0	N					
IPML-E	1518	0.0	N					
IPML-F	1520	0.0	N					
SAM-4/5	1522	0.0	N					
IPML-G	1524	0.0	N					
IPML-H	1526	0.0	N					

Additional Comments:	Could not acces monitoring locations IMPL C and IMPL D due to slick conditions on liner & Last PID site walk of the day @ 1502-1526

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/19/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.46
	Toluene:	8.51
Calibration (ppm)	Pass/Fail/NA:	Pass

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	100
	PID Span (100 ppm Isobutylene)	100
	Drager GC (10 ppm Isobutylene/Toluene)	100

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0736	0.0	N					
IPML-A	0740	0.0	N					
SAM1.5	0742	0.0	N					
IPML-B	0744	0.0	N					
SAM-2	0746	0.0	N					
SAM-2.5	0748	0.0	N					
IPML-C	-	-	-					
IPML-D	-	-	-					
SAM-3	0757	0.0	N					
IPML-E	0759	0.0	N					
IPML-F	0801	0.0	N					
SAM-4/5	0803	0.0	N					
IPML-G	0807	0.0	N					
IPML-H	0809	0.0	N					

Additional Comments:	Could not access monitoring locations IMPL C and IMPL D due to slick conditions on liner

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/19/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.46
	Toluene:	8.51
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	-	-	-					
IPML-A	-	-	-					
SAM1.5	-	-	-					
IPML-B	-	-	-					
SAM-2	-	-	-					
SAM-2.5	-	-	-					
IPML-C	-	-	-					
IPML-D	-	-	-					
SAM-3	-	-	-					
IPML-E	-	-	-					
IPML-F	-	-	-					
SAM-4/5	-	-	-					
IPML-G	-	-	-					
IPML-H	-	-	-					

Additional Comments:	Missed the 0800 hour PID site walk due to PUF installation

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/19/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.46
	Toluene:	8.51
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0930	0.0	N					
IPML-A	0932	0.0	N					
SAM1.5	0934	0.0	N					
IPML-B	0936	0.0	N					
SAM-2	0938	0.0	N					
SAM-2.5	0940	0.0	N					
IPML-C	-	-	-					
IPML-D	-	-	-					
SAM-3	0946	0.0	N					
IPML-E	0948	0.0	N					
IPML-F	0950	0.0	N					
SAM-4/5	0952	0.0	N					
IPML-G	0954	0.0	N					
IPML-H	0956	0.0	N					

Additional Comments:	Could not access monitoring locations IMPL C and IMPL D due to slick conditions on liner

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/19/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.46
	Toluene:	8.51
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1000	0.0	N					
IPML-A	1002	0.0	N					
SAM1.5	1004	0.0	N					
IPML-B	1006	0.0	N					
SAM-2	1008	0.0	N					
SAM-2.5	1010	0.0	N					
IPML-C	-	-	-					
IPML-D	-	-	-					
SAM-3	1016	0.0	N					
IPML-E	1018	0.0	N					
IPML-F	1020	0.0	N					
SAM-4/5	1022	0.0	N					
IPML-G	1024	0.0	N					
IPML-H	1026	0.0	N					

Additional Comments:	Could not access monitoring locations IMPL C and IMPL D due to slick conditions on liner

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/19/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.46
	Toluene:	8.51
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1100	0.0	N					
IPML-A	1102	0.0	N					
SAM1.5	1104	0.0	N					
IPML-B	1106	0.0	N					
SAM-2	1108	0.0	N					
SAM-2.5	1110	0.0	N					
IPML-C	-	-	-					
IPML-D	-	-	-					
SAM-3	1116	0.0	N					
IPML-E	1118	0.0	N					
IPML-F	1120	0.0	N					
SAM-4/5	1122	0.0	N					
IPML-G	1124	0.0	N					
IPML-H	1126	0.0	N					

Additional Comments:	Could not access monitoring locations IMPL C and IMPL D due to slick conditions on liner

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/19/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.46
	Toluene:	8.51
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1200	0.0	N					
IPML-A	1202	0.0	N					
SAM1.5	1204	0.0	N					
IPML-B	1206	0.0	N					
SAM-2	1208	0.0	N					
SAM-2.5	1210	0.0	N					
IPML-C	-	-	-					
IPML-D	-	-	-					
SAM-3	1216	0.0	N					
IPML-E	1218	0.0	N					
IPML-F	1220	0.0	N					
SAM-4/5	1222	0.0	N					
IPML-G	1224	0.0	N					
IPML-H	1226	0.0	N					

Additional Comments:	Could not access monitoring locations IMPL C and IMPL D due to slick conditions on liner

Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 02/19/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.46
	Toluene:	8.51
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1300	0.0	N					
IPML-A	1302	0.0	N					
SAM1.5	1304	0.0	N					
IPML-B	1306	0.0	N					
SAM-2	1308	0.0	N					
SAM-2.5	1310	0.0	N					
IPML-C	-	-	-					
IPML-D	-	-	-					
SAM-3	1316	0.0	N					
IPML-E	1318	0.0	N					
IPML-F	1320	0.0	N					
SAM-4/5	1322	0.0	N					
IPML-G	1324	0.0	N					
IPML-H	1326	0.0	N					

Additional Comments:	Could not access monitoring locations IMPL C and IMPL D due to slick conditions on liner

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/19/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.46
	Toluene:	8.51
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1430	0.0	N					
IPML-A	1432	0.0	N					
SAM1.5	1434	0.0	N					
IPML-B	1436	0.0	N					
SAM-2	1438	0.0	N					
SAM-2.5	1440	0.0	N					
IPML-C	-	-	-					
IPML-D	-	-	-					
SAM-3	1446	0.0	N					
IPML-E	1448	0.0	N					
IPML-F	1450	0.0	N					
SAM-4/5	1452	0.0	N					
IPML-G	1454	0.0	N					
IPML-H	1456	0.0	N					

Additional Comments:	Could not access monitoring locations IMPL C and IMPL D due to slick conditions on liner

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/19/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.1

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.46
	Toluene:	8.51
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1500	0.0	N					
IPML-A	1502	0.0	N					
SAM1.5	1504	0.0	N					
IPML-B	1506	0.0	N					
SAM-2	1508	0.0	N					
SAM-2.5	1510	0.0	N					
IPML-C	-	-	-					
IPML-D	-	-	-					
SAM-3	1516	0.0	N					
IPML-E	1518	0.0	N					
IPML-F	1520	0.0	N					
SAM-4/5	1522	0.0	N					
IPML-G	1524	0.0	N					
IPML-H	1526	0.0	N					

Additional Comments:	Could not access monitoring locations IMPL C and IMPL D due to slick conditions on liner & Last PID site walk of the day @ 1500-1526

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
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Preliminary

PID & GC Readings

Date: 02/20/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.35
	Toluene:	8.45
Calibration (ppm)	Pass/Fail/NA:	Pass

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	100
	PID Span (100 ppm Isobutylene)	100
	Drager GC (10 ppm Isobutylene/Toluene)	100

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0734	0.0	N					
IPML-A	0738	0.0	N					
SAM1.5	0740	0.0	N					
IPML-B	0743	0.0	N					
SAM-2	0745	0.0	N					
SAM-2.5	0747	0.0	N					
IPML-C	0750	0.0	N					
IPML-D	0752	0.0	N					
SAM-3	0754	0.0	N					
IPML-E	0757	0.0	N					
IPML-F	0759	0.0	N					
SAM-4/5	0801	0.0	N					
IPML-G	0806	0.0	N					
IPML-H	0808	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
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Preliminary

PID & GC Readings

Date: 02/20/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.35
	Toluene:	8.45
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0835	0.0	N					
IPML-A	0837	0.0	N					
SAM1.5	0839	0.0	N					
IPML-B	0841	0.0	N					
SAM-2	0843	0.0	N					
SAM-2.5	0845	0.0	N					
IPML-C	0847	0.0	N					
IPML-D	0849	0.0	N					
SAM-3	0851	0.0	N					
IPML-E	0853	0.0	N					
IPML-F	0855	0.0	N					
SAM-4/5	0857	0.0	N					
IPML-G	0859	0.0	N					
IPML-H	0901	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 02/20/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.35
	Toluene:	8.45
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0930	0.0	N					
IPML-A	0932	0.0	N					
SAM1.5	0934	0.0	N					
IPML-B	0936	0.0	N					
SAM-2	0938	0.0	N					
SAM-2.5	0940	0.0	N					
IPML-C	0942	0.0	N					
IPML-D	0944	0.0	N					
SAM-3	0946	0.0	N					
IPML-E	0948	0.0	N					
IPML-F	0950	0.0	N					
SAM-4/5	0952	0.0	N					
IPML-G	0954	0.0	N					
IPML-H	0956	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/20/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.35
	Toluene:	8.45
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1030	0.0	N					
IPML-A	1032	0.0	N					
SAM1.5	1034	0.0	N					
IPML-B	1036	0.0	N					
SAM-2	1038	0.0	N					
SAM-2.5	1040	0.0	N					
IPML-C	-	-	-					
IPML-D	-	-	-					
SAM-3	1046	0.0	N					
IPML-E	1048	0.0	N					
IPML-F	1050	0.0	N					
SAM-4/5	1052	0.0	N					
IPML-G	-	-	-					
IPML-H	-	-	-					

Additional Comments:	Could not access monitoring locations IMPL C, IMPL D, IMPL G, and IMPL H due to construction practices

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 02/20/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.35
	Toluene:	8.45
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1130	0.0	N					
IPML-A	1132	0.0	N					
SAM1.5	1134	0.0	N					
IPML-B	1136	0.0	N					
SAM-2	1138	0.0	N					
SAM-2.5	1140	0.0	N					
IPML-C	-	-	-					
IPML-D	-	-	-					
SAM-3	1146	0.0	N					
IPML-E	1148	0.0	N					
IPML-F	1150	0.0	N					
SAM-4/5	1152	0.0	N					
IPML-G	-	-	-					
IPML-H	-	-	-					

Additional Comments:	Could not access monitoring locations IMPL C, IMPL D, IMPL G, and IMPL H due to construction practices

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 02/20/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.35
	Toluene:	8.45
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1230	0.0	N					
IPML-A	1232	0.0	N					
SAM1.5	1234	0.0	N					
IPML-B	1236	0.0	N					
SAM-2	1238	0.0	N					
SAM-2.5	1240	0.0	N					
IPML-C	-	-	-					
IPML-D	-	-	-					
SAM-3	1246	0.0	N					
IPML-E	1248	0.0	N					
IPML-F	1250	0.0	N					
SAM-4/5	1252	0.0	N					
IPML-G	-	-	-					
IPML-H	-	-	-					

Additional Comments:	Could not access monitoring locations IMPL C, IMPL D, IMPL G, and IMPL H due to construction practices

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 02/20/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.35
	Toluene:	8.45
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1330	0.0	N					
IPML-A	1332	0.0	N					
SAM1.5	1334	0.0	N					
IPML-B	1336	0.0	N					
SAM-2	1338	0.0	N					
SAM-2.5	1340	0.0	N					
IPML-C	-	-	-					
IPML-D	-	-	-					
SAM-3	1346	0.0	N					
IPML-E	1348	0.0	N					
IPML-F	1350	0.0	N					
SAM-4/5	1352	0.0	N					
IPML-G	-	-	-					
IPML-H	-	-	-					

Additional Comments:	Could not access monitoring locations IMPL C, IMPL D, IMPL G, and IMPL H due to construction practices

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 02/20/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.35
	Toluene:	8.45
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1430	0.0	N					
IPML-A	1432	0.0	N					
SAM1.5	1434	0.0	N					
IPML-B	1436	0.0	N					
SAM-2	1438	0.0	N					
SAM-2.5	1440	0.0	N					
IPML-C	-	-	-					
IPML-D	-	-	-					
SAM-3	1446	0.0	N					
IPML-E	1448	0.0	N					
IPML-F	1450	0.0	N					
SAM-4/5	1452	0.0	N					
IPML-G	1454	0.0	N					
IPML-H	1456	0.0	N					

Additional Comments:	Could not access monitoring locations IMPL C and IMPL D due to construction practices

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 02/20/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.35
	Toluene:	8.45
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1530	0.0	N					
IPML-A	1532	0.0	N					
SAM1.5	1534	0.0	N					
IPML-B	1536	0.0	N					
SAM-2	1538	0.0	N					
SAM-2.5	1540	0.0	N					
IPML-C	-	-	-					
IPML-D	-	-	-					
SAM-3	1546	0.0	N					
IPML-E	1548	0.0	N					
IPML-F	1550	0.0	N					
SAM-4/5	1552	0.0	N					
IPML-G	1554	0.0	N					
IPML-H	1556	0.0	N					

Additional Comments:	Could not access monitoring locations IMPL C and IMPL D due to construction practices

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 02/21/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.18
	Toluene:	8.30
Calibration (ppm)	Pass/Fail/NA:	Pass

Calibration Gas Tank Pressure	Gases	Current Pressure (PSI)
	PID Zero Air (0 ppm)	100
	PID Span (100 ppm Isobutylene)	75
	Drager GC (10 ppm Isobutylene/Toluene)	100

Notify Rolling Meadows Air Team if any tanks are below **50 psi.**

Note: Calibration is only performed on the Drager GC if functionality test fails.

Comments:

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0730	0.0	N					
IPML-A	0734	0.0	N					
SAM1.5	0737	0.0	N					
IPML-B	0739	0.0	N					
SAM-2	0741	0.0	N					
SAM-2.5	0744	0.0	N					
IPML-C	-	-	-					
IPML-D	-	-	-					
SAM-3	0748	0.0	N					
IPML-E	0752	0.0	N					
IPML-F	0754	0.0	N					
SAM-4/5	0756	0.0	N					
IPML-G	0801	0.0	N					
IPML-H	0803	0.0	N					

Additional Comments:	Could not access monitoring locations IMPL C and IMPL D due to construction practices

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 02/21/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.18
	Toluene:	8.30
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0830	0.0	N					
IPML-A	0832	0.0	N					
SAM1.5	0834	0.0	N					
IPML-B	0836	0.0	N					
SAM-2	0838	0.0	N					
SAM-2.5	0840	0.0	N					
IPML-C	-	-	-					
IPML-D	-	-	-					
SAM-3	0846	0.0	N					
IPML-E	0848	0.0	N					
IPML-F	0850	0.0	N					
SAM-4/5	0852	0.0	N					
IPML-G	0854	0.0	N					
IPML-H	0856	0.0	N					

Additional Comments:	Could not access monitoring locations IMPL C and IMPL D due to construction practices

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

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If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.18
	Toluene:	8.30
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	0938	0.0	N					
IPML-A	0940	0.0	N					
SAM1.5	0942	0.0	N					
IPML-B	0944	0.0	N					
SAM-2	0946	0.0	N					
SAM-2.5	0948	0.0	N					
IPML-C	-	-	-					
IPML-D	-	-	-					
SAM-3	0952	0.0	N					
IPML-E	0954	0.0	N					
IPML-F	0956	0.0	N					
SAM-4/5	0958	0.0	N					
IPML-G	1002	0.0	N					
IPML-H	1004	0.0	N					

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Safety Observation/Suggestion:	

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If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.18
	Toluene:	8.30
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1032	0.0	N					
IPML-A	1034	0.0	N					
SAM1.5	1036	0.0	N					
IPML-B	1038	0.0	N					
SAM-2	1040	0.0	N					
SAM-2.5	1042	0.0	N					
IPML-C	-	-	-					
IPML-D	-	-	-					
SAM-3	1046	0.0	N					
IPML-E	1048	0.0	N					
IPML-F	1050	0.0	N					
SAM-4/5	1052	0.0	N					
IPML-G	1054	0.0	N					
IPML-H	1056	0.0	N					

Additional Comments:	Could not access monitoring locations IMPL C and IMPL D due to construction practices

Safety Observation/Suggestion:	

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PID & GC Readings

Date: 02/21/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.18
	Toluene:	8.30
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1131	0.0	N					
IPML-A	1133	0.0	N					
SAM1.5	1135	0.0	N					
IPML-B	1137	0.0	N					
SAM-2	1139	0.0	N					
SAM-2.5	1141	0.0	N					
IPML-C	-	-	-					
IPML-D	-	-	-					
SAM-3	1146	0.0	N					
IPML-E	1148	0.0	N					
IPML-F	1150	0.0	N					
SAM-4/5	1152	0.0	N					
IPML-G	1154	0.0	N					
IPML-H	1156	0.0	N					

Additional Comments:	Could not access monitoring locations IMPL C and IMPL D due to construction practices

Safety Observation/Suggestion:	

At the end of the day:

1. Document site walks in daily site log.
2. Upload and save all forms in associated project folder.
3. Please consult the Rolling Meadows-ERM project team at ERM.NorthernDivisionAirMonitoring@erm.com with any concerns, changes, or updates.

Preliminary

PID & GC Readings

Date: 02/21/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.18
	Toluene:	8.30
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1230	0.0	N					
IPML-A	1232	0.0	N					
SAM1.5	1234	0.0	N					
IPML-B	1236	0.0	N					
SAM-2	1238	0.0	N					
SAM-2.5	1240	0.0	N					
IPML-C	-	-	-					
IPML-D	-	-	-					
SAM-3	1246	0.0	N					
IPML-E	1248	0.0	N					
IPML-F	1250	0.0	N					
SAM-4/5	1252	0.0	N					
IPML-G	1254	0.0	N					
IPML-H	1256	0.0	N					

Additional Comments:	Could not access monitoring locations IMPL C and IMPL D due to construction practices

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 02/21/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.18
	Toluene:	8.30
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1300	0.0	N					
IPML-A	1302	0.0	N					
SAM1.5	1304	0.0	N					
IPML-B	1306	0.0	N					
SAM-2	1308	0.0	N					
SAM-2.5	1310	0.0	N					
IPML-C	1312	0.0	N					
IPML-D	1314	0.0	N					
SAM-3	1316	0.0	N					
IPML-E	1318	0.0	N					
IPML-F	1320	0.0	N					
SAM-4/5	1322	0.0	N					
IPML-G	1324	0.0	N					
IPML-H	1326	0.0	N					

Additional Comments:	

Safety Observation/Suggestion:	

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Preliminary

PID & GC Readings

Date: 02/21/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.18
	Toluene:	8.30
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1430	0.0	N					
IPML-A	1432	0.0	N					
SAM1.5	1434	0.0	N					
IPML-B	1436	0.0	N					
SAM-2	1438	0.0	N					
SAM-2.5	1440	0.0	N					
IPML-C	-	-	-					
IPML-D	-	-	-					
SAM-3	1446	0.0	N					
IPML-E	1448	0.0	N					
IPML-F	1450	0.0	N					
SAM-4/5	1452	0.0	N					
IPML-G	1454	0.0	N					
IPML-H	1456	0.0	N					

Additional Comments:	Could not access monitoring locations IMPL C and IMPL D due to construction practices

Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

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Daily PID Calibration	
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Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.18
	Toluene:	8.30
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1530	0.0	N					
IPML-A	1532	0.0	N					
SAM1.5	1534	0.0	N					
IPML-B	1536	0.0	N					
SAM-2	1538	0.0	N					
SAM-2.5	1540	0.0	N					
IPML-C	-	-	-					
IPML-D	-	-	-					
SAM-3	1546	0.0	N					
IPML-E	1548	0.0	N					
IPML-F	1550	0.0	N					
SAM-4/5	1552	0.0	N					
IPML-G	1554	0.0	N					
IPML-H	1556	0.0	N					

Additional Comments:	Could not access monitoring locations IMPL C and IMPL D due to construction practices

Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

PID & GC Readings

Date: 02/21/2024	Technician Name: N. Legg	Site: Ameren Taylorville, IL

If the handheld PID reading is >0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.

Daily PID Calibration	
Zero Calibration (ppm) (using 0ppm standard)	0.0
Span Concentration (ppm) (using 100ppm standard)	100.0

Daily GC Drager Functionality & Calibration (using 10ppm standard)		
Functionality Test (ppm)	Isobutylene:	8.18
	Toluene:	8.30
Calibration (ppm)	Pass/Fail/NA:	Pass

PID Readings (1-Minute Average)					Drager GC (only if VOC >0.5 ppm)			
					Reading 1: if VOC >0.5 ppm	Reading 2: if Benzene >0.5 ppm	Reading 3: if Benzene >0.5 ppm	Reading 4: if Benzene >5.0 ppm
Site Name	Time (CT)	Average VOC Concentration (ppm)	Odor Present? (Y/N)	Comments (Describe odor, if detected)	5-minute Avg. Benzene Conc. (ppm)	5-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)	15-minute Avg. Benzene Conc. (ppm)
SAM-1	1630	0.0	N					
IPML-A	1632	0.0	N					
SAM1.5	1634	0.0	N					
IPML-B	1636	0.0	N					
SAM-2	1638	0.0	N					
SAM-2.5	1640	0.0	N					
IPML-C	1642	0.0	N					
IPML-D	1644	0.0	N					
SAM-3	1646	0.0	N					
IPML-E	1648	0.0	N					
IPML-F	1650	0.0	N					
SAM-4/5	1652	0.0	N					
IPML-G	1654	0.0	N					
IPML-H	1656	0.0	N					

Additional Comments:	Last PID site walk of the day @ 1630-1656

Safety Observation/Suggestion:	

At the end of the day:

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Preliminary

ERM HAS OVER 160 OFFICES ACROSS THE FOLLOWING COUNTRIES AND TERRITORIES WORLDWIDE

Argentina
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Belgium
Brazil
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Guyana
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India
Indonesia
Ireland
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Mozambique
The Netherlands
New Zealand
Peru
Poland
Portugal
Puerto Rico
Romania
Senegal
Singapore
South Africa
South Korea
Spain
Switzerland
Taiwan
Tanzania
Thailand
UAE
UK
US
Vietnam

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